

台灣地區公路建設整體規劃之修訂專題報告（四）

## 台灣地區公路運輸需求分析與預測

交通部運輸研究所

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摘要：本報告係運用計量分析技巧，將旅次之需求特性量化，瞭解運輸系統之特性，分析台灣地區公路運輸需求型態，預測未來各級公路運輸成長趨勢，以爲研擬公路中、長程發展計畫之參考。

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# 台灣地區公路運輸需求分析與預測

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# 台灣地區公路運輸需求分析與預測

## 第一章 緒論

### 1.1 研究目的

需求分析在整個運輸規劃過程中是一個不可或缺的環節，透過計量化需求分析技巧可以讓我們了解目前運輸系統之特性，融入社會經濟成長變遷、未來路網架構變動等因素，推估未來之運量，並經由回饋程序加以修正、檢討網路與運輸系統績效，反覆循環而期能達到一均衡的狀態。基本上，本研究旨在藉著計量技巧的幫助，把旅次的需求特性量化，用以分析台灣地區公路運輸需求型態，預測未來各級公路運輸成長趨勢，作為研擬公路中、長程發展計畫之參考，期使未來各項公路建設能充分地配合社會與經濟發展之需要。

### 1.2 研究範圍

本研究之地理範圍以台灣本島為限，研究分析對象則以台灣省公路局所管轄之省縣道為主，全部路線長度約6,586公里。如圖1-1所示。研究分析過程所需之各項社會、經濟、交通需求等資料均需建立於相同的交通分區上，始能進行資料的分析作業，歸納本研究劃分交通分區的原則包括：

- 1.按目前行政界限劃分，以便資料蒐集，最小之分區單位為鄉、鎮。
- 2.具有相同之土地使用情況或相似之社會、經濟及交通活動型態之鄉鎮劃為同一交通分區，每一交通分區應有一較明顯之中心市鎮。
- 3.配合區域計畫、台灣地區整體運輸規劃及其他相關規劃（如中、南部第二高速公路可行性研究計畫）之交通分區，俾便資料的引用、比較與查核。
- 4.儘可能保持及重要鄉鎮道路的完整性，並使分區的大小與路網密度充分配合，使有助於運量指派分析。
- 5.兼顧台北、高雄生活圈道路系統建設計畫之需求，對生活圈範圍內之交通分區予以細分，而以鄉鎮為分區單位。

循此原則，將研究範圍劃為 144交通分區，另為便於資料蒐集、



圖 1-1 台灣地區公路網系統圖





儲存、模式應用與結果說明，並將此分區細分或歸併成三種不同層次的交通分區，各層次之交通分區大小、應用範圍與個數略如表1-1所示，而詳細之交通分區及其含蓋之鄉、市、鎮範圍則如圖1-2及表1.2所示。

表 1.1 交通分區層次、應用範圍與個數

分區層次	應 用 範 圍	分 區 大 小	個 數
小分區	原始資料之蒐集、儲存	鄉、鎮	332
中分區	需求、運量預測	一個或數個鄉鎮 (依前述原則劃分)	144
大分區	展現區域、空間之運量移動	生活圈	15



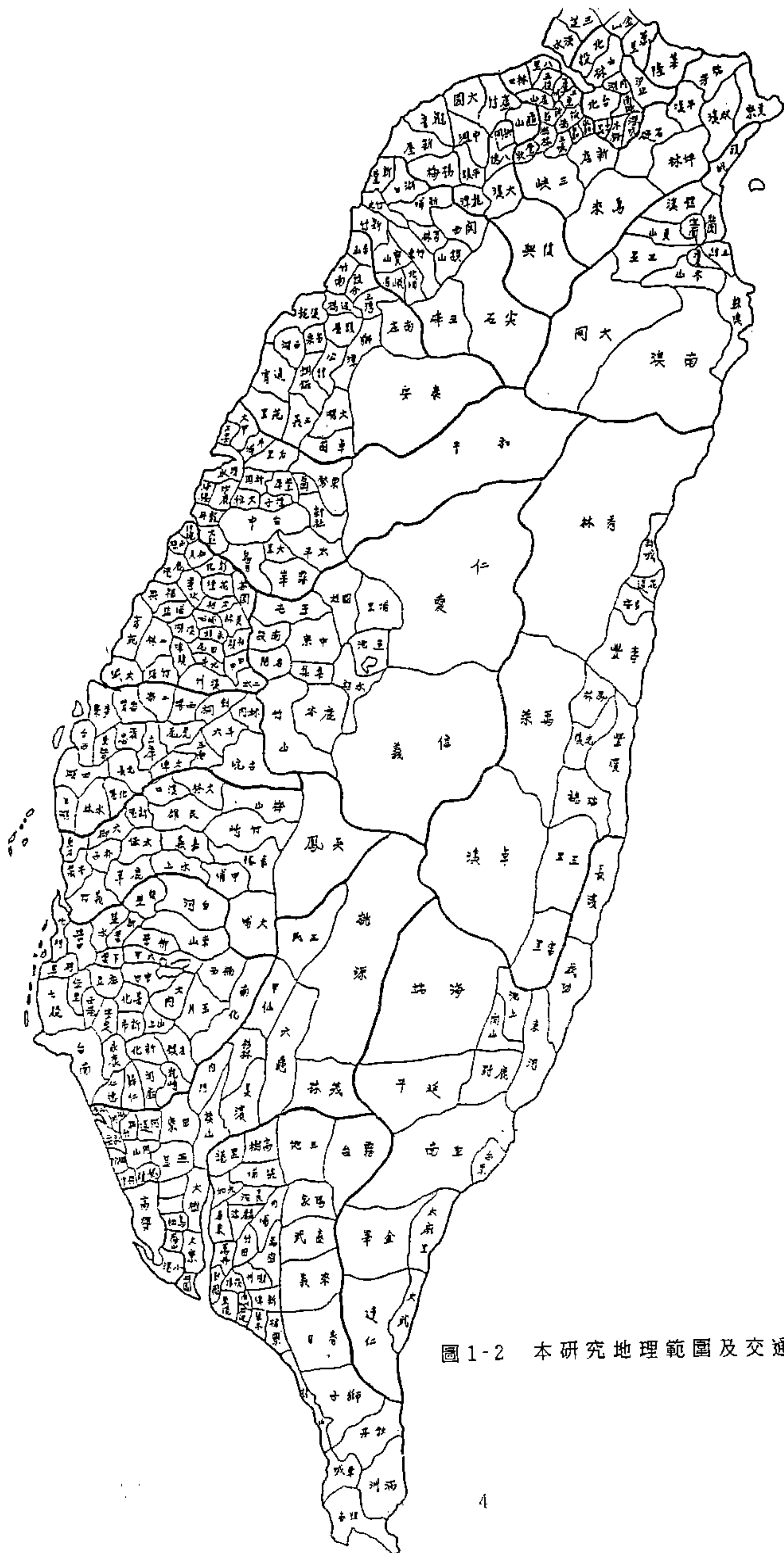


圖 1-2 本研究地理範圍及交通分區示意圖



表 1.2 交通分區之劃分及編碼

大 分 區 (生活圈)	中分區 編 碼	所含市、鄉、鎮 (小分區) 名稱
(01) 基隆圈	01	瑞芳、平溪、雙溪、貢寮
	02	基隆
	03	萬里、金山
(02) 台北圈	04	汐止
	05	台北市 (士林、北投)
	06	台北市 (松山、內湖、南港)
	07	台北市 (城中、龍山、雙園、古亭、大安)
	08	台北市 (中山、大同、延平、建成)
	09	台北市 (景美、木柵)
	10	石門
	11	三芝
	12	淡水
	13	八里
	14	林口
	15	五股
	16	蘆洲
	17	三重
	18	泰山
	19	新莊
	20	板橋
	21	樹林
	22	永和
	23	中和
	24	土城
	25	三峽
	26	鶯歌
	27	新店
	28	烏來



表 1.2 交通分區之劃分及編碼 (續 1)

大 分 區 (生活圈)	中分區 編 碼	所含市、鄉、鎮 (小分區) 名稱
	29 30 31	深坑 石碇 坪林
(03) 桃園－ 中壢圈	32 33 34 35 36 37	桃園、龜山、八德 大園、蘆竹 中壢、觀音、平鎮 楊梅、新屋 大溪、復興 龍潭
(04) 新竹圈	38 39 40 41	竹北、新豐、湖口、新埔 關西 新竹 (含香山)、寶山 竹東、芎林、橫山、峨眉、北埔、五峰、尖石
(05) 宜蘭圈	42 43 44 45	頭城 宜蘭、員山、礁溪、壯圍 羅東、五結、冬山、三星、大同 蘇澳、南澳
(06) 苗栗圈	46 47 48 49 50 51 52 53 54	竹南、造橋 頭份 三灣、南庄 後龍、西湖 苗栗、頭屋、公館、獅潭 通霄、苑裡 三義、銅鑼 大湖、泰安 卓蘭



表 1.2 交通分區之劃分及編碼 (續 2)

大 分 區 (生活圈)	中分區 編 碼	所含市、鄉、鎮 (小分區) 名稱
(07) 台中圈	55	大甲、大安、外埔
	56	豐原、神岡、后里
	57	東勢、石岡、新社、和平
	58	清水
	59	沙鹿、梧棲、龍井、大肚
	60	大雅
	61	潭子
	62	台中市 (東、南、西、北區)
	63	台中市 (北屯)
	64	台中市 (南屯、西屯)
	65	太平
(08) 彰化圈	66	大里、霧峰
	67	烏日
	68	和美、伸港、線西
	69	彰化、秀水、花壇、芬園
	70	鹿港、福興、埔鹽
	71	員林、大村、埔心、溪湖、永靖、社頭
	72	二林、芳苑、大城、竹塘
	73	田中、二水
(09) 南投圈	74	北斗、田尾、埤頭、溪洲
	75	草屯
	76	南投、中寮、名間
	77	埔里、國姓、魚池、仁愛
	78	竹山、鹿谷
	79	水里、集集、信義



表 1.2 交通分區之劃分及編碼 (續 3)

大 分 區 (生活圈)	中分區 編 碼	所含市、鄉、鎮 (小分區) 名稱
(10) 斗六圈	80	崙背、麥寮
	81	西螺、二崙
	82	虎尾、土庫、褒忠
	83	斗六、林內、莿桐、古坑
	84	斗南、大埤
	85	台西、東勢
	86	四湖、口湖、水林
	87	北港、元長
(11) 嘉義圈	88	朴子、東石、六腳
	89	新港、太保
	90	義竹、布袋、鹿草
	91	大林、梅山、溪口
	92	竹崎、番路、吳鳳
	93	嘉義、水上、民雄
	94	中埔、大埔
(12) 新營圈	95	白河、後壁、東山
	96	新營、柳營、鹽水、下營、六甲
	97	善化、官田、大內、山上
(13) 台南圈	98	學甲、北門、將軍
	99	麻豆、西港
	100	佳里、七股
	101	玉井、左鎮、楠西、南化
	102	關廟、龍崎
	103	仁德、歸仁
	104	永康、新市、新化、安定
	105	台南市



表 1.2 交通分區之劃分及編碼 (續 4)

大 分 區 (生活圈)	中分區 編 碼	所含市、鄉、鎮 (小分區) 名稱
(14) 高雄圈	106	湖內、茄定
	107	路竹
	108	阿蓮
	109	田寮
	110	永安
	111	岡山
	112	彌陀
	113	燕巢
	114	橋頭
	115	梓官
	116	高雄市 (楠梓、左營)
	117	高雄市 (三民、鼓山、鹽埕、前金、新興、苓雅)
	118	高雄市 (旗津、前鎮)
	119	高雄市 (小港)
	120	林園
	121	鳳山
	122	大寮
	123	大社
	124	仁武
	125	鳥松
	126	大樹
	127	旗山、美濃、內門、杉林
	128	甲仙、三民、桃源
	129	六龜、茂林



表 1.2 交通分區之劃分及編碼 (續 5)

大 分 區 (生活圈)	中分區 編 碼	所含市、鄉、鎮 (小分區) 名稱
(15) 屏東圈	130	里港、九如、鹽埔、高樹
	131	屏東、麟洛、長治、內埔、萬丹
	132	三地、霧台、瑪家
	133	潮洲、嵌頂、竹田、萬巒、新埤、泰武、來義
	134	東港、新園、南州、林邊
	135	枋寮、佳冬、春日
	136	恆春、枋山、車城、滿洲、牡丹、獅子
(16) 花蓮圈	137	花蓮、吉安、新城、秀林、壽豐
	138	豐濱
	139	光復、萬榮、鳳林
	140	玉里、富里、卓溪、瑞穗
(17) 台東圈	141	成功、長濱、東河
	142	關山、池上、海端、鹿野、延平
	143	台東、卑南
	144	太麻里、金峰、大武、達仁



### 1.3 研究程序

運輸需求分析與預測之最終目的在建立運輸需求模式，用以預測研究範圍內各路段交通量。不論採行何種運輸需求模式，均首須從事全面性的社會、經濟及運輸系統等基本資料蒐集，再就計畫所欲達成之目標選擇適當的預測模式。理論上，本次運輸需求以採行適用於城際間運輸走廊的直接性總體需求模式為佳，唯因受現有資料及時間、經費之限制，乃改採傳統程序性總體需求模式。同時，因所蒐集之旅次資料為車輛起迄資料，以「車輛」為旅次單位，故於需求預測之步驟中，將運具分配省略而直接進行車輛旅次產生、分佈及交通量分派。本研究以民國七十六年為基年，各項社會、經濟等基本資料詳見其他各報告，預測目標年訂定為民國九十五年，詳細作業流程示如圖 1-3。

依據上述程序本報告共分七章。第一章緒論，說明研究目的、範圍及流程；第二章公路交通需求預測方法，就傳統運輸規劃方法作一總體的回顧，並兼顧理論與實務狀況說明本研究之分析流程；第三章公路車輛旅次起迄分析，整理現況公車車輛旅次空間分佈加以分析，以描繪基年公路網區域間之聯絡交流互動之關係，進而了解現況公路網運輸特性，為整體需求預測之基礎；第四章公路交通需求旅次產生預測，衡諸未來社會經濟成長變遷，配合現況運輸系統發展特性，最終則以推估目標年旅次產生成長趨勢為目標；第五章公路車輛旅次分佈預測，依據未來旅次產生預測值，引用分佈模式進行旅次空間分佈預測，以獲得目標年旅次起迄分佈矩陣。第六章公路網交通量分派預測，結合未來路網發展構想與未來運輸需求型態，進行交通量分派預測分析，推估預測未來各級公路運輸成長趨勢。最後並於第七章中提出本研究之結論與建議。



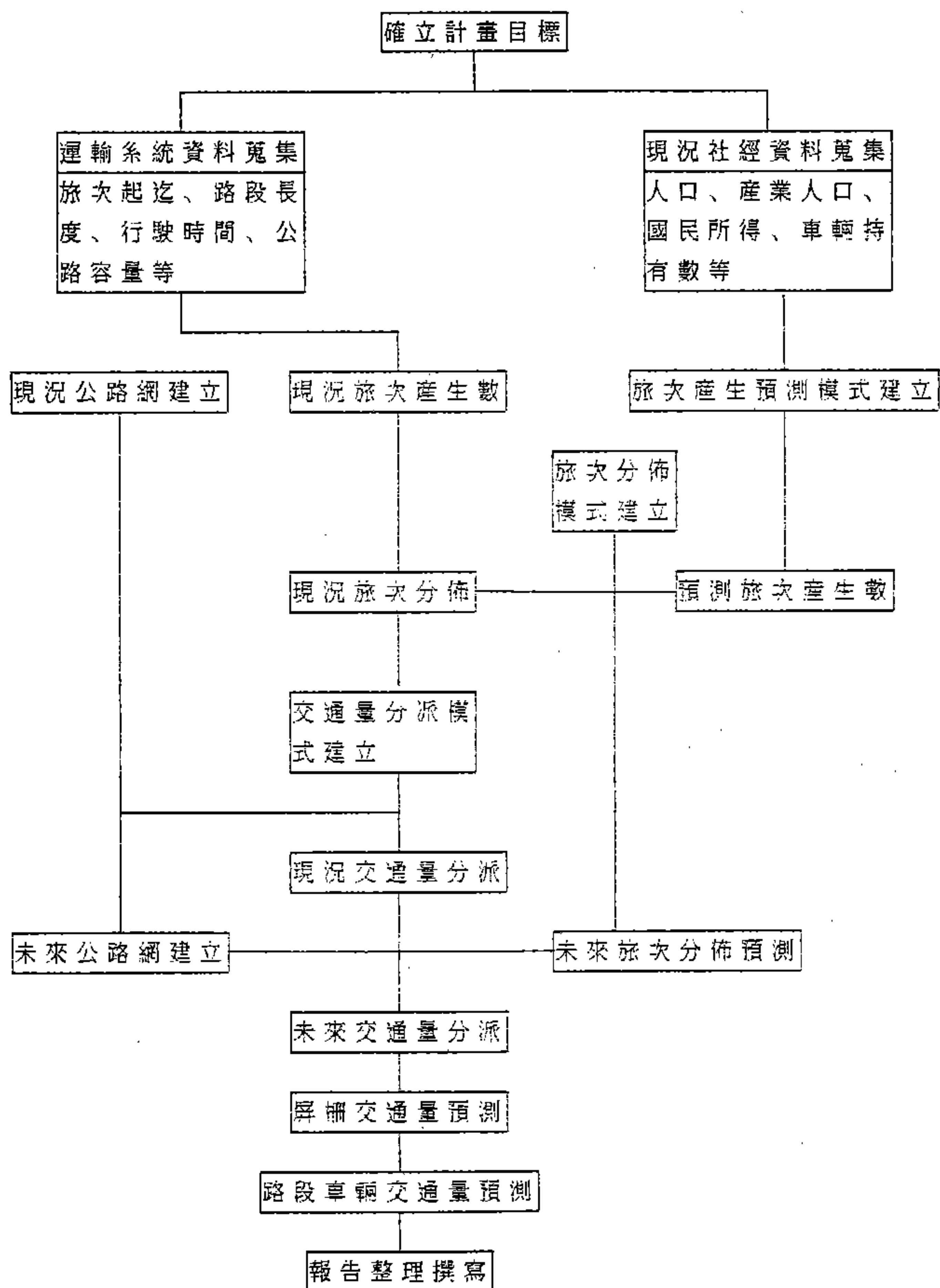


圖 1-3 作業流程



## 第二章 公路交通需求預測方法

根據不同的規劃理念所發展之運輸需求分析模式主要有三類：

- (1) 總體程序需求模式 (Aggregate Sequential Demand Model)
- (2) 總體直接需求模式 (Aggregate Direct Demand Model)
- (3) 個體行為需求模式 (Disaggregate Behaviour Demand Model)。

總體程序需求模式以交通分區的總體資料為分析單元，假設旅次的完成須經過一固定程序（步驟），此一程序即所謂之旅次產生 (Trip Generation)，旅次分佈 (Trip Distribution)，運具選擇 (Modal Split) 和運量指派 (Trip Assignment)，用以回答交通分區有多少旅次？到那裡去？使用何種運輸工具？及經由那條路線？等問題。此類模式又可依步驟次序的先後而分成旅次端點需求模式 (Trip End Demand Model) 及旅次交流需求模式 (Trip Interchange Demand Model) 兩種。此類模式主要運用於都市運輸需求預測，由於發展歷史久遠，相關之電腦程式非常完備，已為從事都市運輸規劃者廣泛使用。

由於總體程序需求模式無法反應新運輸工具之使用，遂有總體直接需求模式之產生，此類模式仍係以交通分區的總體資料為分析單元，但模式認為旅次產生者對於某種運具之需求並非取決於該運具的名稱，而係取決於該運具所提供之服務水準，亦即採取所謂抽象運具的觀念，同時旅次產生，分佈與運具選擇也非程序性的階段進行，而係一次直接完成，因此將旅次產生分佈與運具選擇等三個步驟合併成單一模式，利用各服務水準變數建立各分區間使用某種運具之需求模式，以簡化分析過程，此類模式可視為一政策導向的模式，最適合運輸走廊或城際間運輸需求預測。總體直接需求模式將運輸方式抽象化，使其不僅能預測服務水準改變對運輸需求之影響，且能預測新運輸方式引進時之運輸需求量，較適於長期運輸規劃中考慮運輸技術改良之運輸需求預測。

近年來，需求模式的發展朝向尋求具有行為性的模式，建立預測力較佳的因果關係模式，以取代傳統的相關模式，與總體模式不同，個體行為需求模式係以旅次產生者之個體資料為分析與預測單元，以



消費行為選擇理論為基礎所建立之需求分析模式。模式之理論基礎主要有二，其一為經濟學的消費行為，另一為心理學的選擇行為，消費者行為的個體選擇模式以效用函數為出發點，假設消費者在選擇各替選方案時，採取效用最大的原則。基於此一假設，個體行為需求模式多以各服務水準變數建立效用函數，再以此效用函數求取旅次產生者之選擇機率，雖最初提出之模式係應用於運具選擇，但對於旅次產生、分佈與路線的選擇仍可一體適用。基於此種合理的選擇行為所發展之個體行為需求模式有常態機率模式 (Probit Model) 及羅吉斯機率轉變模式 (Logit Model)。

上述運輸需求模式之建立，首先必須從事全面性的資料調查，一般以家庭訪問方式為主。主要調查資料分為旅次資料、個人與家庭的社會經濟資料，及運輸系統資料等項目。旅次資料包括旅次目的、旅次起迄點、旅次發生時間、費用等；個人與家庭的社會經濟資料包括年齡、職業、工作地點、每月收入、家庭人口、機動車輛持有數等；運輸系統資料包括現況網路系統及系統之行駛時間、服務水準等。運輸需求模式藉前述調查資料加以校估後，即可用以描述整個運輸系統之活動，並用以預測未來運輸系統之活動狀況。

本研究之主要目的在於預測台灣地區公路交通需求及未來各路段之交通量，作為公路瓶頸改善優先順序及公路改善計畫評估之基本資料。由於本規劃僅考慮未來公路建設規劃問題，並未有充裕的經費收集調查公路以外之運輸方式之旅次與貨種運輸經濟資料，故僅利用高速公路收費站與省、縣公路屏柵線之公路車輛旅次路邊訪問調查資料，採用傳統總量程序需求模式進行運輸需求分析。又因所調查之旅次資料已是車輛起迄資料，故於需求預測之步驟中將運量分配省略而直接進行車輛旅次產生，車輛旅次分佈及車輛交通量分派。公路交通需求之分析流程如圖 2-1 所示。



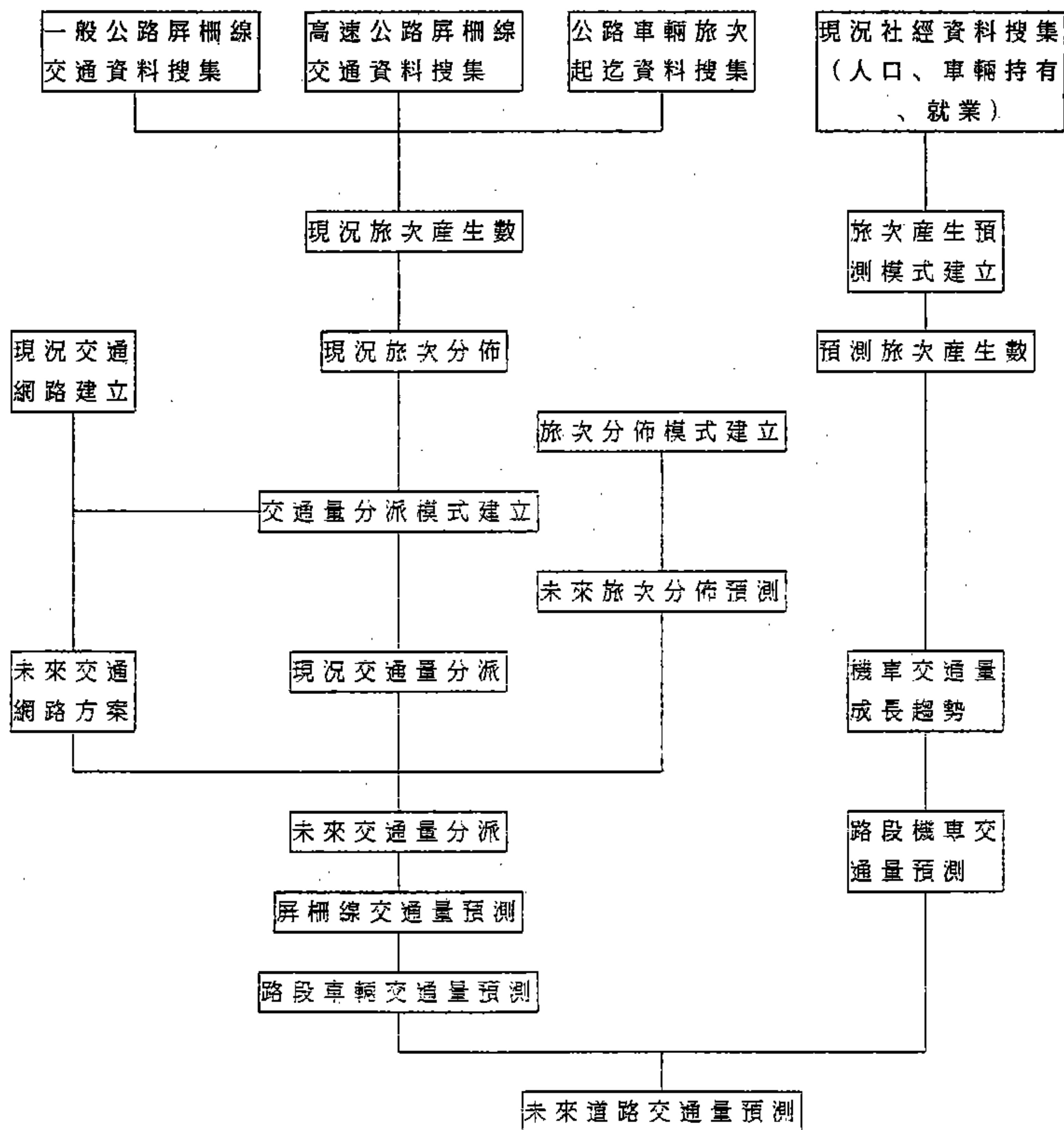


圖 2-1 公路交通需求預測流程圖



### 第三章 公路車輛旅次起迄分析

#### 3.1 公路車輛旅次起迄分析

旅次起迄分佈乃表示交通分區間之旅次起迄行為，可反映兩區間之活動強度及關聯程度，為搜集公路車輛旅次起迄資料分析車輛流動型態，以建立運輸需求模式，作為需求預測之依據，本規劃引用民國73年交通部運研所「台灣地區整體運輸規劃」調查之公路車輛起迄資料為基礎，據此整理得公路各車種旅次分佈資料，最後用以作運輸需求預測之公路車輛起迄表有四類為：

- ① 小客車（含計程車）
- ② 小貨車
- ③ 大客車（含定期與非定期）
- ④ 大貨車（含貨櫃車）

表3.1 顯示十七個生活圈現況各車之旅次產生與吸引數，其中各區之產生及吸引總數相差不大，此乃因台灣地區面積不大，加以高速公路完成後，車輛行駛時間縮短，大多數車輛皆能在一天之中往返。合計每日總旅次產生（吸引）達 685,050輛，其中小客車 379,683輛，佔 57.7%為最多；其次小貨車 151,895輛，佔 23.1%；大貨車 105,374輛，佔 16.0%，大客車21,143輛最少，僅佔3.2%。

各類車種之車輛起迄資料如表3.2～3.5所示，由各生活圈車輛旅次之分佈顯示以台北圈、高雄圈、台中圈及台南圈等幾個都會區為中心，向外散佈至附近都市之車輛旅次資料最大，其次為都會區與都會區間如台中－台中、台北－高雄、台中－高雄、高雄－台南等區間。各類車種之車輛起迄表合併成總車輛起迄需求線如圖3-1 所示，由此亦可反映上述旅次分佈型態。



表3.1 基年各車種旅客產生吸引數

單位：輛

生活圈	小 客 車 生 產	小 客 車 吸 引	小 貨 車 生 產	小 貨 車 吸 引	大 客 車 生 產	大 客 車 吸 引	大 貨 車 生 產	大 貨 車 吸 引
基隆圈	18297	18367	6491	6544	638	715	7418	7482
台北圈	49759	89749	32413	32445	6161	6186	22578	22570
桃園圈	46704	46699	16654	16633	3519	3515	9956	9943
新竹圈	14492	14489	5558	5538	796	775	4912	4926
宜蘭圈	6970	6973	3531	3536	282	275	2067	2064
苗栗圈	13653	13646	3950	3961	590	576	3893	3895
台中圈	35451	35440	12552	12536	1778	1763	7962	7932
彰化圈	17071	17073	9186	9177	521	502	4895	4879
南投圈	12673	12664	4274	4275	712	711	2706	2714
斗六圈	10121	10122	6004	5994	383	367	3908	3909
嘉義圈	10649	10644	5747	5747	413	410	3601	3594
新營圈	7388	7377	3220	3221	273	268	2406	2411
台南圈	30157	30154	13080	12096	774	760	6865	6862
高雄圈	44324	44303	17932	17896	2432	2422	14511	14498
屏東圈	16162	16161	7118	7115	837	832	4658	4653
花蓮圈	3466	3460	2614	2611	792	834	2050	2056
台東圈	2315	2317	1571	1570	242	232	988	986
合 計	379638	379638	151895	151895	21143	21143	105374	105374



表 3.2 基年小客車旅次起迄表

單位：輛																		
生活圈	基隆圈	台北圈	桃園圈	新竹圈	宜蘭圈	苗栗圈	台中圈	彰化圈	南投圈	斗六圈	嘉義圈	新營圈	台南圈	高雄圈	屏東圈	花蓮圈	台東圈	合 計
基隆圈	0	17145	512	119	166	45	89	19	21	17	15	1	18	62	42	16	10	18297
台北圈	17154	19056	34664	4401	1631	1732	4281	1516	879	871	688	186	660	1203	500	194	129	89745
桃園圈	524	34660	2614	6248	135	482	1020	249	103	122	124	36	127	157	47	39	17	46704
新竹圈	116	4395	6251	522	28	1974	672	165	100	56	24	10	53	77	18	15	16	14492
宜蘭圈	170	1629	133	26	4777	14	68	18	14	5	6	1	15	41	15	29	9	6970
苗栗圈	46	1737	484	1975	13	851	7437	523	192	98	58	12	68	110	25	9	5	13653
台中圈	100	4279	1023	671	73	7431	2435	7918	7933	1043	650	185	584	716	240	120	50	35451
彰化圈	22	1521	245	167	14	534	7914	270	684	4064	583	106	357	404	121	35	30	17071
南投圈	23	880	103	97	14	190	7935	685	1570	518	188	63	101	197	57	42	10	12673
斗六圈	24	870	119	56	7	90	1048	4062	512	163	1836	207	499	483	116	10	19	10121
嘉義圈	23	689	123	26	5	63	652	584	186	1834	1677	1854	1467	1214	222	18	12	10649
新營圈	2	182	38	9	2	17	175	106	63	204	1854	231	3276	1061	150	6	12	7388
台南圈	25	659	125	55	12	67	586	363	97	500	1470	3268	12125	9953	795	35	22	30157
高雄圈	64	1223	160	74	43	102	716	408	192	483	1220	1052	9953	15303	12944	148	149	44324
屏東圈	46	497	48	14	14	25	249	119	60	118	222	147	792	12944	804	32	31	16162
花蓮圈	17	197	37	16	31	13	112	38	47	12	16	7	37	141	36	2557	152	3466
台東圈	11	130	20	13	8	6	51	30	11	14	13	11	22	147	29	155	1644	2315
合 計	18367	89749	46699	14489	6973	13646	35440	17073	12664	10122	10644	7377	30154	44303	16161	3460	2317	379638



表 3-3 3 基年小貨車存放次數表

生活圈	基隆圈	台北圈	桃園圈	新竹圈	宜蘭圈	苗栗圈	台中圈	彰化圈	南投圈	斗六圈	嘉義圈	新營圈	台南圈	高雄圈	屏東圈	花蓮圈	台東圈	單位：輛		計
基隆圈	5	5938	232	42	136	23	43	10	11	5	11	0	3	14	7	0	2			6491
台北圈	5964	11290	11069	1227	552	487	671	271	96	106	121	45	112	230	81	60	31			32413
桃園圈	233	11083	1908	2778	64	169	191	63	25	35	31	6	20	38	4	6	0			16654
新竹圈	49	1231	2780	346	13	820	184	47	26	11	15	1	7	17	6	4	1			5558
宜蘭圈	137	550	61	14	2646	10	25	16	0	0	2	0	4	25	0	33	8			3531
苗栗圈	28	500	168	806	11	270	1904	131	30	22	28	7	14	16	3	4	8			3950
台中圈	51	675	192	185	27	1913	2027	3940	2258	482	249	65	159	178	60	71	20			12552
彰化圈	11	273	61	47	16	132	3941	280	427	3269	292	54	142	157	68	0	16			9186
南投圈	11	89	27	25	0	31	2263	429	887	204	90	23	40	50	8	5	2			4274
斗六圈	5	118	33	9	0	25	481	3264	302	171	1086	105	245	120	35	3	2			6004
嘉義圈	10	126	28	18	2	28	245	292	88	1087	1235	1184	854	389	86	6	9			5747
新營圈	1	42	6	1	0	7	67	55	22	106	1184	165	1125	357	73	0	9			3220
台南圈	3	112	18	7	1	17	160	144	36	243	856	1124	6835	3090	408	10	16			13080
高雄圈	17	238	37	18	26	13	185	156	55	120	384	304	3101	7574	5544	53	47			17932
屏東圈	8	87	3	7	0	3	60	66	7	36	86	70	408	5545	688	24	20			7118
花蓮圈	9	62	8	6	32	5	71	0	2	4	8	0	9	51	23	2192	132			2614
台東圈	2	31	2	2	10	8	18	13	3	3	9	8	18	45	21	131	1247			1571
合 計	6544	32445	16633	5538	3536	3961	12536	9177	4275	5994	5747	3221	13096	17896	7115	2611	1570			151895



表 3-4 基年大客車旅次起迄表

單位：輛																		
生活圈	基隆圈	台北圈	桃園圈	新竹圈	宜蘭圈	苗栗圈	台中圈	彰化圈	南投圈	斗六圈	嘉義圈	新營圈	台南圈	高雄圈	屏東圈	花蓮圈	台東圈	合 計
基隆圈	0	252	144	43	0	38	48	18	24	0	6	0	2	52	0	11	0	638
台北圈	255	843	2729	302	35	69	594	110	224	109	89	13	88	245	151	97	4	6161
桃園圈	157	2725	53	111	30	19	91	15	71	24	19	11	0	70	71	52	0	3519
新竹圈	47	383	113	0	8	40	96	4	40	10	0	0	6	8	29	8	0	796
宜蘭圈	0	40	35	8	27	66	51	3	0	5	0	0	13	22	0	12	0	282
苗栗圈	42	74	19	38	73	8	258	0	0	0	0	0	3	33	11	31	0	590
台中圈	68	599	82	85	45	264	50	14	90	9	10	3	37	148	68	179	18	1778
彰化圈	30	109	13	5	4	0	21	0	0	44	27	8	7	65	37	119	32	521
南投圈	24	331	75	45	0	0	93	0	10	5	14	0	8	67	28	0	0	712
斗六圈	0	123	25	7	5	0	10	32	5	0	38	7	10	36	20	49	0	383
嘉義圈	10	81	23	0	0	0	9	25	14	34	20	24	63	78	16	12	4	413
新營圈	0	13	13	0	0	0	3	8	0	9	24	16	109	28	0	12	38	273
台南圈	10	99	0	0	13	3	37	11	8	13	58	111	133	169	86	10	13	774
高雄圈	61	262	64	11	19	33	141	62	66	35	74	27	170	974	302	128	3	2432
屏東圈	0	153	71	28	0	12	73	36	27	19	15	0	85	304	13	0	1	837
花蓮圈	11	94	56	2	13	24	164	124	0	42	14	7	13	119	0	78	31	792
台東圈	0	5	0	0	3	0	19	31	0	0	2	41	13	4	0	36	88	242
合 計	715	6186	3515	775	275	576	1763	502	711	367	410	218	760	2422	832	834	232	21143

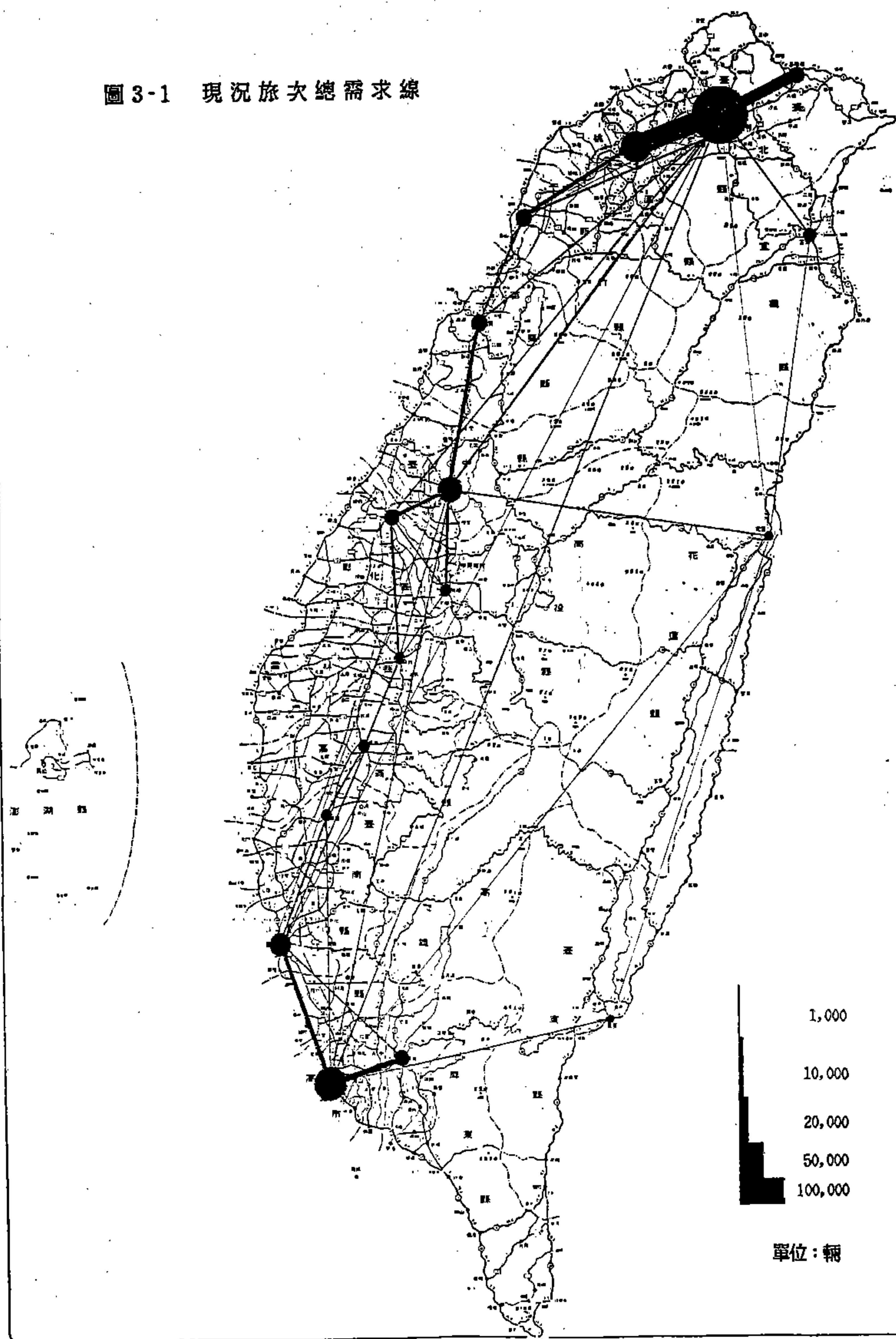


表 3-5 84 年大都會地區人口統計表

單位：輛																		
生活圈	基隆圈	台北圈	桃園圈	新竹圈	宜蘭圈	苗栗圈	台中圈	彰化圈	南投圈	斗六圈	嘉義圈	新營圈	台南圈	高雄圈	屏東圈	花蓮圈	台東圈	合 計
基隆圈	13	5014	735	254	184	142	370	102	45	33	12	12	34	425	21	16	6	7418
台北圈	5041	6529	5134	1109	397	698	933	481	244	250	191	95	352	839	142	109	34	22578
桃園圈	741	5137	593	1803	104	375	400	211	57	74	54	30	103	221	34	11	8	9956
新竹圈	257	1104	1796	247	30	706	322	121	38	36	47	28	42	116	8	14	0	4912
宜蘭圈	181	400	100	32	989	19	60	41	8	2	2	10	18	111	26	60	8	2067
苗栗圈	141	685	382	707	22	378	1061	168	69	25	51	15	61	101	15	5	7	3893
台中圈	386	945	396	321	53	1074	621	1023	1288	390	259	116	274	605	121	75	15	7962
彰化圈	108	473	213	123	43	162	1023	77	278	1233	180	83	242	471	101	22	3	4895
南投圈	48	243	60	41	8	62	1294	264	166	230	83	15	43	127	16	3	3	2706
斗六圈	33	254	74	32	2	25	392	1296	223	62	568	142	281	416	75	10	23	3908
嘉義圈	16	187	55	46	3	51	260	177	84	568	342	554	513	628	97	20	0	3601
新營圈	8	103	33	26	11	15	112	85	14	142	553	125	628	440	84	23	4	2406
台南圈	40	359	97	42	11	64	267	241	45	282	512	629	1734	2066	419	44	13	6865
高雄圈	424	845	222	122	115	97	609	473	126	416	624	445	2062	4423	3137	207	164	14511
屏東圈	20	149	31	9	23	14	122	99	19	74	98	86	415	3137	231	93	38	4658
花蓮圈	20	107	15	12	63	5	69	17	7	8	18	22	46	208	91	1187	155	2050
台東圈	5	36	7	0	6	8	17	3	3	24	0	4	14	164	35	157	505	988
合 計	7482	22570	9943	4926	2064	3895	7932	4879	2714	3909	3594	2411	6862	14498	4653	2056	986	105374



圖 3-1 現況旅次總需求線





### 3.2 現況公路網屏柵線分析

在現況需求方面，除了就基年之公路車輛旅次起迄資料予以分析外，為充分掌握研究範圍內重要公路路段之現況交通流量分佈狀況，以了解各重要路段目前之實際服務績效。本研究於研究範圍內劃設18條切交各重要路段、具代表性之屏柵線，見圖3-2，共計包含72個重要路段。各路段之容量、流量、V/C值與服務水準等資料請詳見表3.6。其中有關容量與服務水準之標準係參據交通部運輸研究所於民國75~77年所進行公路容量研究之成果。日流量資料來源係由台灣地區國道高速公路局與台灣省公路局提供，另單向小時流量是以日流量乘以K、PHF與D等因素而得，其值均參自上述運研所容量研究成果。

由表3.6可知，北部基隆至台北間之二主要運絡幹道中，中山高速公路之V/C值約為0.77服務水準達C級接近D級；省道台5線則因貨櫃集散站之密集佈設於汐止附近，已使道路服務水準降至E級；縣道106線因里程較遠，路況較差，目前利用此一道路往來於基隆與台北間之旅次尚少，另西部走廊方面，於台北至桃園之間各路段之交負荷已十分沉重，尤其是高速公路，尖峰時段甚至已達F級服務水準，各重要幹道如台1、台3與114線均已達D級以下服務水準。整條屏柵線上綜合之V/C值已高達0.81，現況路段若欲維持C級服務水準，則尖峰時段尚餘2,200 pcu/hr左右之交通量待疏解。桃園至新竹之間高速公路之負荷亦重，服務水準亦降至F級，其餘各重要幹道目前大致都能維持在C級以上，整體而言若能有效疏導部份部份高速公路上之交通量至幾條平行幹道上，此一地區之交通壓力當不至於太大。新竹至苗栗之間因交通量相對較小，交通情況尚稱良好，高速公路尚能維持在D級服務水準，台1與台3省道均屬A級服務水準，必要可將目前路況較差之117線予以改善。苗栗至台中間之情況亦大致與前段類似，高速公路目前維持在D級服務水準，其餘如台1與台3等重要幹道均在B級以上服務水準。台中至彰化間之交通狀況在高速公路部份亦維持在D級服務水準，但是重要幹道部分台3省道也已達D級，台1省道卻降達F級，可見往來台中至彰化間之地區旅次所佔比例相對較大，都會區特性甚為明顯。至於彰化、雲林、嘉義與台南間之情況大致良好，高速公路與重要幹道均能維持在C級以上服務水



圖 3-2 屏柵線示意圖

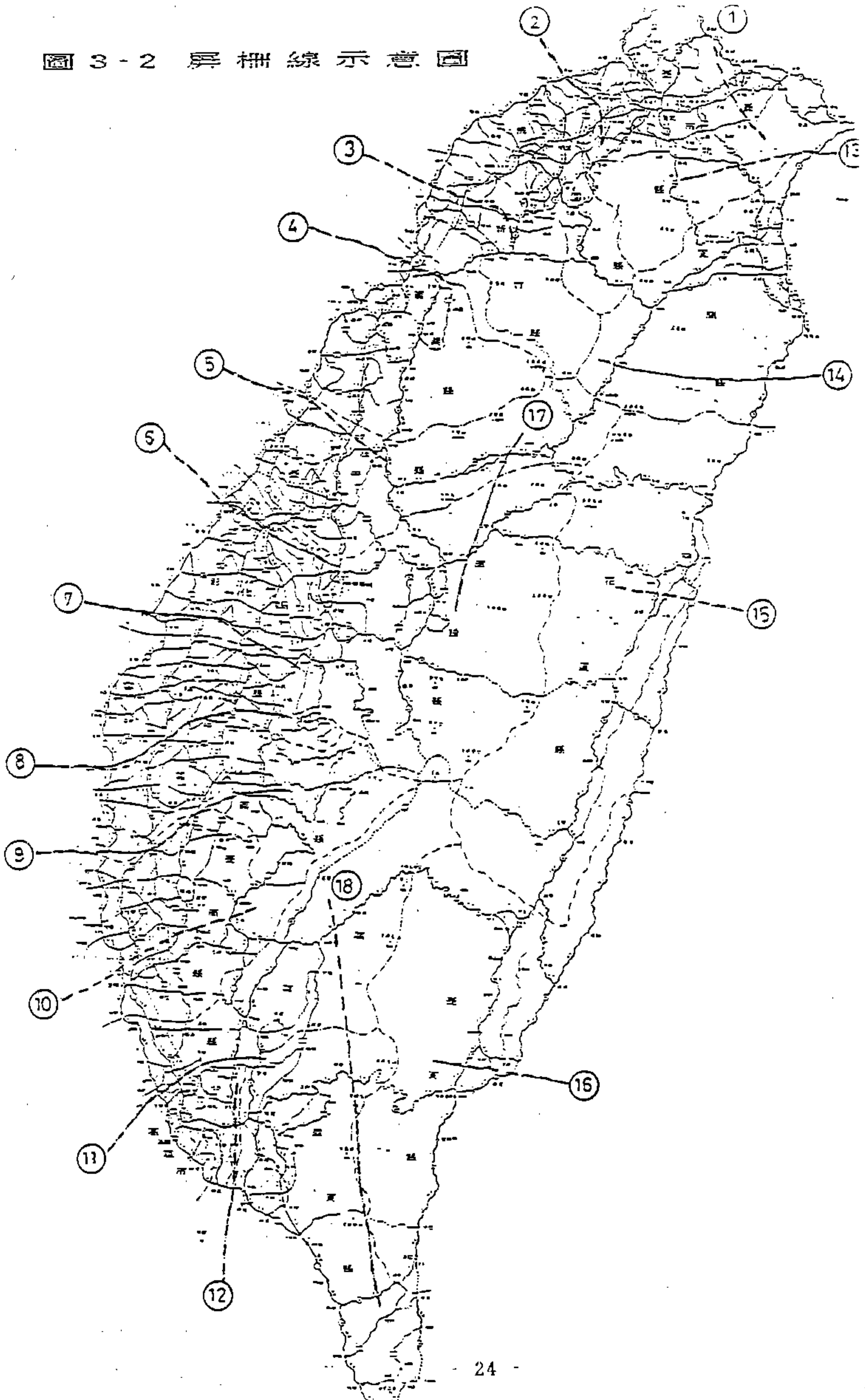




表 3.6 基年公路路網屏柵線容量與流量之分析

屏柵線	站號	道編	路號	位	置	日流量 (PCU)	單向 小容 (PCU)	單向 時量 (PCU)	V/C	服務 水準	LOS-C 容 量 (PCU)	LOS-C 剩餘 容 量 (PCU)
1	1	國 台 縣	1 5 106	汐 汐 平 合	止收費站 止溪計	49058	4400	3373	0.77	C	3388	15
	2					33834	2500	2326	0.93	E	1625	-701
	3					1235	300	85	0.28	A	195	110
						84119	7200	5783	0.80		4680	-1103
2	4	台 鄉 縣 國 台 縣 三 縣	15 108 105 1 1 114 3 110	下 山 山 山 山 山 山 山 合	福腳橋站 山佳城橋計	1997	1100	137	0.12	A	715	578
	5					3341	1100	230	0.21	A	715	485
	6					8224	1000	565	0.57	C	650	85
	7					126038	8300	8665	1.04	F	6391	-2274
	8					46913	5300	3225	0.61	C	3445	220
	9					13069	1000	898	0.90	E	650	-248
	10					30168	1500	2074	1.38	F	975	-1099
	11					9674	1000	665	0.67	D	650	-15
						239424	20300	16460	0.81		13195	-3265
3	12	台 國 台 縣 縣	15 1 1 3 115	埔 楊 楊 龍 合	和梅站 梅潭(關西)橋計	1647	1000	113	0.11	A	650	537
	13					31052	2500	2135	0.85	E	1625	-510
	14					74194	4400	5101	1.16	F	3388	-1713
	15					6561	1000	451	0.45	B	650	199
	16					6728	1000	463	0.46	B	650	187
						120182	9900	8263	0.83		6435	-1828
4	17	台 台 國 台 縣	13 1 1 3	竹 頭 造 二 合	南份站 橋收費計	8190	1000	563	0.56	C	650	87
	18					24134	2500	1659	0.66	D	1625	-34
	19					59643	4400	4100	0.93	D	3388	-712
	20					526	1000	36	0.04	A	650	614
						92493	8900	6359	0.71		5785	-574
5	21	台 台 國 台 縣	1 13 1 3	大 后 后 東 合	甲里站 里收費計	14648	2500	1007	0.40	B	1625	618
	22					21271	1500	1462	1.00	E	975	-487
	23					58210	4400	4002	0.91	D	3388	-614
	24					3474	1300	239	0.18	A	845	606
						97603	9500	6710	0.71		6175	-535
6	25	台 台 台 國 縣	17 1 3 1	新 大 旱 后 合	港 屯 林 計	9048	4000	622	0.16	A	2600	1978
	26					36757	2500	2527	1.01	F	1625	-902
	27					21964	2500	1510	0.60	C	1625	115
	28					53494	4400	3678	0.84	D	3388	-290
						121263	13400	8337	0.62		8710	373
7	29	台 台 國 台 縣 縣	19 1 1 3 145 141	自 西 員 林 埤 彰 合	橋 橋 橋 橋 橋 橋 計	4810	4000	331	0.08	A	2600	2269
	30					9455	2000	650	0.33	A	1300	650
	31					48777	4400	3353	0.76	C	3388	35
	32					13459	2000	925	0.46	B	1300	375
	33					4611	1000	317	0.32	A	650	333
	34					7201	1000	495	0.50	B	650	155
						88313	14400	6072	0.42		9360	3288
8	35	台 台 台 國 縣 縣	17 19 157 1 1 3	北 北 新 斗 大 梅 合	港 溪 口 橋 橋 橋 計	1709	1000	117	0.12	A	650	533
	36					4619	2000	318	0.16	A	1300	982
	37					2610	1100	179	0.16	A	715	536
	38					43844	4400	3014	0.69	C	3388	374
	39					14823	2000	1019	0.51	C	1300	281
	40					2582	1000	178	0.18	A	650	472
						70187	11500	4825	0.42		7475	2650



表 3.6 基年公路路網屏柵線容量與流量之分析 (續)

屏柵線	站號	道編號	路號	位	置	日流量 (PCU)	單向 小容 (PCU)	單向 時量 (PCU)	V/C	服務 水準	LOS-C 容量 (PCU)	LOS-C 剩餘 容量 (PCU)
9	41	台 國 縣 道 17	17	北 鹽 新 後 田 合	門 水 站 驛 河 水 計	3421	1000	235	0.24	A	650	415
	42					7149	1500	491	0.33	A	975	484
	43					42285	4400	2907	0.66	C	3388	481
	44					12431	2000	855	0.43	B	1300	445
	45					2629	1000	181	0.18	A	650	469
	46					3502	1000	241	0.24	A	650	409
						71417	10900	4910	0.45		7085	2175
10	47	台 國 縣 道 17	17	永 西 巴 新 善 三 合	市 收 費 計	3887	1000	267	0.27	A	650	383
	48					18009	2000	1238	0.62	C	1300	62
	49					49224	4400	3384	0.77	C	3388	4
	50					6375	1000	438	0.44	B	650	212
	51					11411	1500	785	0.52	C	975	190
	52					2991	1000	206	0.21	A	650	444
						91897	10900	6318	0.58		7085	767
11	53	台 國 縣 道 17	17	建 國 國 道 南 端 合	新 山 站 山 口 尾 計	3309	1000	228	0.23	A	650	422
	54					26233	4000	1804	0.45	B	2600	796
	55					51445	4400	3537	0.80	D	3388	-149
	56					6340	1000	436	0.44	B	650	214
	57					8650	4000	595	0.15	A	2600	2005
	58					3744	1000	257	0.26	A	650	393
						99721	15400	6856	0.45		10010	3154
12	59	台 台	1 17	高 林 合	屏 園 大 橋 計	47095	4400	3238	0.74	D	2860	-378
	60					27172	4400	1868	0.42	B	2860	992
						74267	8800	5106	0.58		5720	614
13	61	台 台	9 2	新 福 合	店 隆 計	5246	1000	361	0.36	B	650	289
	62					6757	1300	465	0.36	B	845	380
						12003	2300	825	0.36		1495	670
14	63	台 台	9 7甲	和 興 合	平 源 計	2474	200	170	0.85	E	130	-40
	64					313	150	22	0.14	A	98	76
						2787	350	192	0.55		228	36
15	65	台 台	9 11	豐 化 合	蓮 大 豐 橋 計	4017	1500	276	0.18	A	975	699
	66					3585	1000	246	0.25	A	650	404
						7602	2500	523	0.21	A	1625	1102
16	67	台 台	9 11	鹿 東 合	野 河 計	2053	1000	141	0.14	A	650	509
	68					1682	1000	116	0.12	A	650	534
						3735	2000	257	0.13	A	1300	1043
17	69	台 台	8 14	黎 埔 合	山 里 計	844	150	58	0.39	B	98	40
	70					3726	1100	256	0.23	A	715	459
						4570	1250	314	0.25		813	498
18	71	台 台	20 9	甲 楓 合	仙 港 計	3359	300	231	0.77	D	195	-36
	72					2222	375	153	0.41	B	244	91
						5581	675	384	0.57		439	55

\* 本表所指交通量含機車



準。台南至高雄之間除高速公路目前屬於D級服務水準外，其餘台1、台3與台17等重要幹道均在B級以上服務水準。高雄至屏東之間主要僅賴台1與台17省道聯繫，其中直接高雄與屏東市區之台1線雖然道路狀況良好、容量很大，但因往來二地間之地區性旅次很多，目前僅能維持在D級服務水準。另台17線係沿海岸通往東港與林邊等地，道路容量大、交通流量小，目前可維持在A級服務水準。東北走廊台北至宜蘭間亦僅靠台2與台9二省道接繫，二地之間以使用台9線所需行駛較短，因此流量較大，但此線因大部份路段經過山區，雖然維護良好，但是路線崎曲、路幅受限，道路容量不高，目前僅維持在D級服務水準，台2線方面之交通狀況則相對較好，大致屬於B級服務水準。另蘇花公路台9線是目前往來宜蘭與花蓮間最直接之孔道，由於道路狀況不佳，因此服務水準極低。另一條台7甲線則由於繞路且路況亦不好，道路容量不高，使用頻率極低。至於東部走廊方面，目前是以台9與台11省道貫穿整個花東縱谷，由於交通流量低（不及西部走廊平均之十分之一），目前交通狀況均極良好。最後有關東西部間之交通運輸方面，在中部以省道台8線與台14線為僅有連絡孔道，因路線穿越中央山脈，工程標準較低，道路容量小，然因目前需求並不大，就V/C值觀點而言，服務水準尚可；另南部之道路台20與台9線情形亦近似。

綜觀本計畫研究範圍內基年之交通狀況，目前係以西部走廊北部地區之交通問題最為嚴重，道路容量普遍不足，因此實有必要加速推動已定案之北部第二高速公路興建計畫。其次西部走廊各都會區地區性旅次之交通壓力也愈來愈明顯，如何有效疏解，防患未然亦刻不容緩。其餘地區目前交通之供需情形則堪稱尚可，一般都能維持在一相當的服務水準。



#### 第四章 公路交通需求旅次產生預測

本研究首先利用逐步迴歸分析 (Stepwise Regression Analysis) 建立各區、各車種旅次與該分區之人口、三級產業人口與車輛持有等社會經濟變數間之關係，經比較多種模式型式（如直線、二次曲線、指數函數、對數函數、多項式.....等），以直線型式所得之結果較佳，故選擇逐步迴歸所建立之直線迴歸方式（如表4.1所示）作為公路交通需求旅次產生與吸引預測模式。

應用「台灣地區公路建設規劃」所預測民國95年各分區之人口數、產業人口數及車輛持有數可得民國95年各分區各車種之旅次產生與吸引數。表4.2所示為現況76年與預測95年各大分區（生活圈）之車旅次產生與吸引數，表4.3為95年與76年產生與吸引旅次之成長倍數。由表4.2及表4.3可知，民國95年總車旅次數將達144萬旅次/日較76年之66萬旅次/日成長約2.2倍（年平均成長率約4.2%），其中小客車旅次約佔總車旅次數的62.8%，小貨車佔20.4%，大客車佔2.3%，大貨車佔14.5%，比較各車種76年至95年之旅次成長倍數以小客車成長2.38倍（年平均成長率4.7%）最高，其次為大貨車與小貨車，分別成長1.98倍及1.93倍（年平均成長率約3.6%），而以大客車成長1.54倍（年平均成長率2.3%）最低。

圖4-1所示為各車種76年與95年之車旅次產生吸引分佈圖，由圖4-1可知，各車種產生吸引旅次在各大分區（生活圈）之分佈均以台北縣、市所佔比例最高，其次為高雄縣市及台中縣市、台南縣市，旅次之分佈大抵與都市發展型態、強度相配合，另高雄縣、市之重工業發達又臨本省最重要之國際港，故其大貨車旅次所佔比例亦高。



表 4.1 旅次產生與吸引預測模式

車 種 別	產生 吸引	迴 歸 方 程 式 之 係 數								樣 本 數	2 R 值	F 值
		常 數 項	二 級 產 業 人 口 數	三 級 產 業 人 口 數	人 口 數	小 客 車 持 有 數	小 貨 車 持 有 數	大 客 車 持 有 數	大 貨 車 持 有 數			
小 客 車	產生	-15.3	-	-	$8.638 \times 10^{-3}$	0.12	-	-	-	144	0.70	164.73
	吸引	-17.8	-	-	$8.680 \times 10^{-3}$	0.12	-	-	-	144	0.70	164.64
小 貨 車	產生	22.15	0.017	-0.006	-	-	0.287	-	-	144	0.67	92.94
	吸引	21.70	0.017	-0.006	-	-	0.286	-	-	144	0.67	93.08
大 客 車	產生	1.0	-	-	$9.696 \times 10^{-4}$	-	-	0.215	-	144	0.49	66.68
	吸引	-1.2	-	-	$9.819 \times 10^{-4}$	-	-	0.219	-	144	0.49	67.19
大 貨 車	產生	143.2	-	-	-	-	-	-	0.749	144	0.64	254.59
	吸引	143.0	-	-	-	-	-	-	0.750	144	0.64	253.30



表 4.2 76年與95年各生活圈之車旅次產生吸引數

年	期	76年車旅次產生數				95年車旅次產生數			
		生活圈\車種別	小客車	小貨車	大客車	大貨車	小客車	小貨車	大客車
基隆圈		18297	6491	638	7418	42857	7114	938	15413
台北圈		89745	32413	6161	22578	199404	61121	10335	44654
桃園圈		46704	16654	3519	9956	105879	31057	5299	20168
新竹圈		14492	5558	796	4912	34293	9572	1176	9998
宜蘭圈		6970	3531	282	2067	15191	6642	400	3959
苗栗圈		13653	3950	590	3893	34038	6895	860	7166
台中圈		35451	12552	1778	7962	83533	29356	2842	16093
彰化圈		17071	9186	521	4895	42546	20999	778	10805
南投圈		12673	4274	712	2706	32040	9477	982	4999
斗六圈		10121	6004	383	3908	25896	11920	510	7301
嘉義圈		10649	5747	413	3601	25966	11814	590	6901
新營圈		7388	3220	273	2406	18667	6226	380	4758
台南圈		30157	13080	774	6865	76661	26692	1136	13513
高雄圈		44324	17932	2432	14511	113153	32878	3788	28757
屏東圈		16162	7118	837	4658	39564	14562	1099	8852
花蓮圈		3466	2614	792	2050	7413	4870	1108	3928
台東圈		2315	1571	242	988	4822	2443	314	1760
合	計	379638	151895	21143	105374	901923	293638	32535	208125



表 4.2 76年與 95年各生活圈之車旅次產生吸引數(續)

年	期	76年車旅次吸引數				95年車旅次吸引數				
生活圈	圖	車種別	小客車	小貨車	大客車	大貨車	小客車	小貨車	大客車	大貨車
基隆	圈		18367	6544	715	7482	42552	7253	1038	15545
台北	圈		89749	32445	6186	22570	200233	60398	10221	44670
桃園	圈		46699	16633	3515	9943	104801	31096	5411	20136
新竹	圈		14489	5538	775	4926	34311	9455	1150	10033
宜蘭	圈		6973	3536	275	2064	15110	6635	384	3952
苗栗	圈		13646	3961	576	3895	34000	6982	841	7180
台中	圈		35440	12536	1763	7932	83553	29568	2838	16023
彰化	圈		17073	9177	502	4879	42573	21128	776	9875
南投	圈		12664	4275	711	2714	32040	9568	986	4998
斗六	圈		10122	5994	367	3909	25935	12054	493	7322
嘉義	圈		10644	5747	410	3594	25938	11891	586	6894
新營	圈		7377	3221	268	2411	18818	6257	379	4759
台南	圈		30154	13096	760	6862	76522	26737	1113	13488
高雄	圈		44303	17896	2422	14498	114275	32818	3790	28720
屏東	圈		16161	7115	832	4653	39088	14503	1087	8849
花蓮	圈		3460	2611	834	2056	7377	4860	1149	3929
台東	圈		2317	1570	232	986	4797	2435	293	1752
合	計		379638	151895	21143	105374	901923	293638	32535	208125



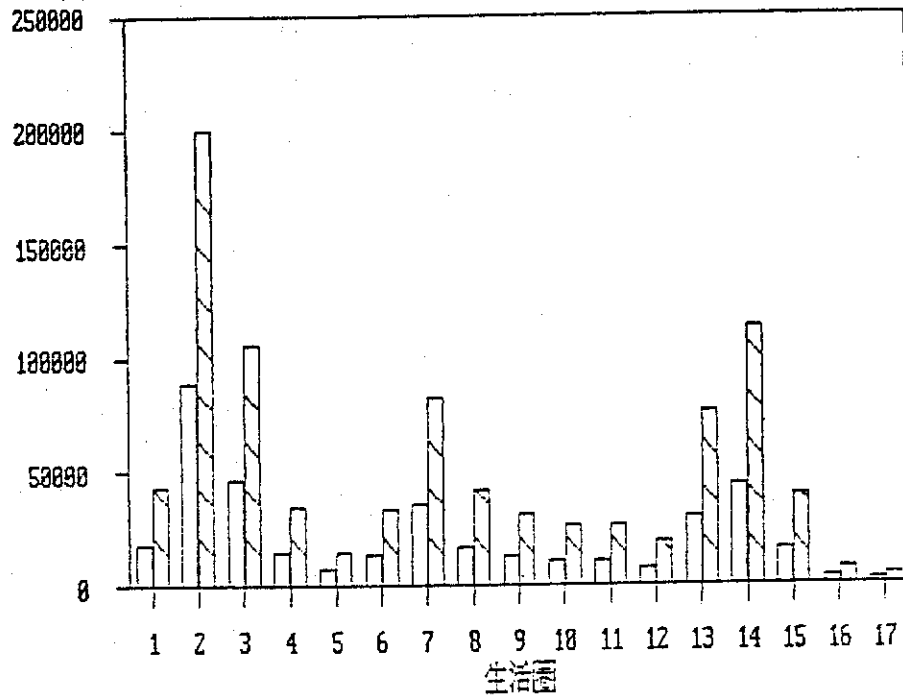
表 4.3 76年至95年各生活圈之車旅次產生吸引成長倍數

生活圈\車種別	車旅次產生倍數				車旅次吸引倍數			
	小客車	小貨車	大客車	大貨車	小客車	小貨車	大客車	大貨車
基隆圈	2.34	1.10	1.47	2.08	2.32	1.11	1.45	2.08
台北圈	2.22	1.89	1.68	1.98	2.23	1.86	1.65	1.98
桃園圈	2.27	1.86	1.51	2.03	2.24	1.87	1.54	2.03
新竹圈	2.37	1.72	1.48	2.04	2.37	1.71	1.48	2.04
宜蘭圈	2.18	1.88	1.42	1.92	2.17	1.88	1.40	1.91
苗栗圈	2.49	1.75	1.46	1.04	2.49	1.76	1.46	1.84
台中圈	2.36	2.34	1.60	2.02	2.36	2.36	1.61	2.02
彰化圈	2.49	2.29	1.49	2.21	2.49	2.30	1.55	2.02
南投圈	2.53	2.22	1.38	1.85	2.53	2.24	1.39	1.84
斗六圈	2.56	1.99	1.33	1.87	2.56	2.01	1.34	1.87
嘉義圈	2.44	2.06	1.43	1.92	2.44	2.07	1.43	1.92
新營圈	2.53	1.93	1.39	1.98	2.55	1.94	1.41	1.97
台南圈	2.54	2.04	1.47	1.97	2.54	2.04	1.46	1.97
高雄圈	2.55	1.83	1.56	1.98	2.58	1.83	1.56	1.98
屏東圈	2.45	2.05	1.31	1.90	2.42	2.04	1.31	1.90
花蓮圈	2.14	1.86	1.40	1.48	2.13	1.86	1.38	1.91
台東圈	2.08	1.56	1.30	1.78	2.07	1.55	1.26	1.78
合計	2.38	1.93	1.54	1.98	2.38	1.93	1.54	1.98



76年與95年小客車產生數

76年 95年  
車旅次產生數



生活圈代碼

- 1 - 基隆圈
- 2 - 台北圈
- 3 - 桃園圈
- 4 - 新竹圈
- 5 - 宜蘭圈
- 6 - 苗栗圈
- 7 - 台中圈
- 8 - 彰化圈
- 9 - 南投圈
- 10 - 斗六圈
- 11 - 嘉義圈
- 12 - 新營圈
- 13 - 台南圈
- 14 - 高雄圈
- 15 - 屏東圈
- 16 - 花蓮圈
- 17 - 台東圈

76年與95年小客車吸引數

76年 95年  
車旅次吸引數

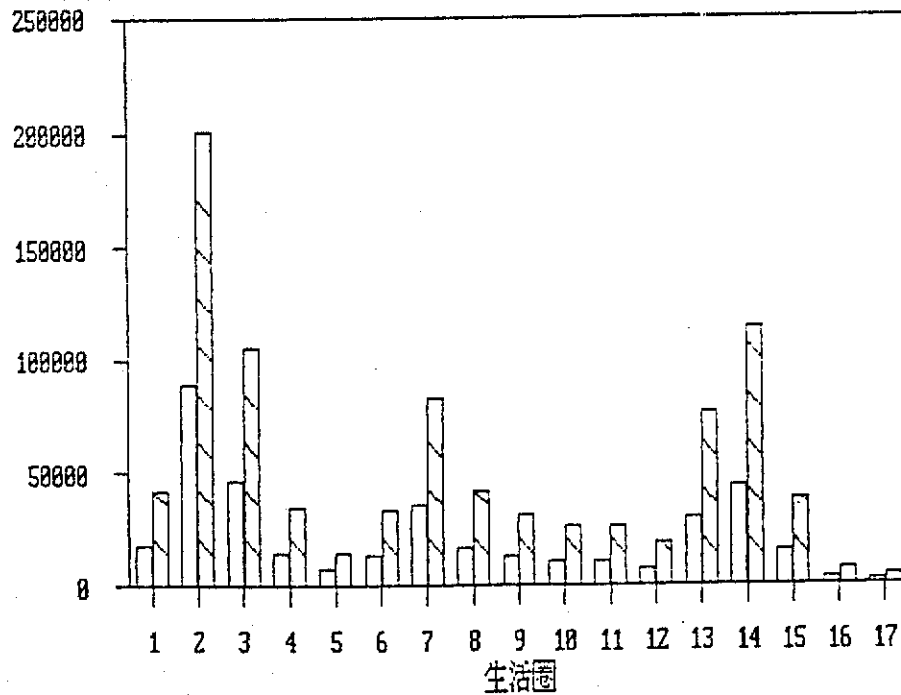
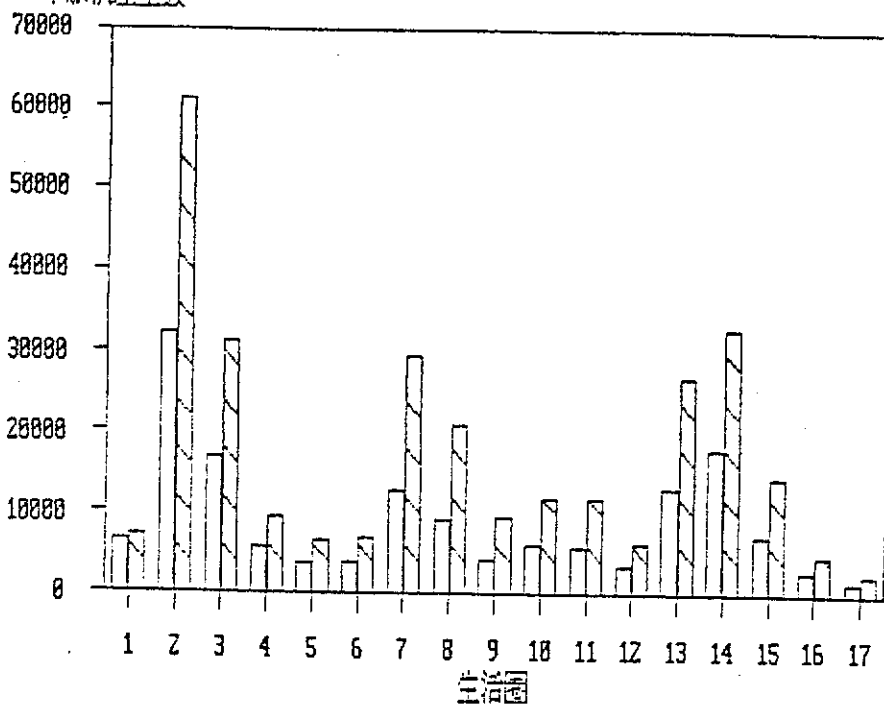


圖 4-1 民國 76 年與 95 年車旅次產生吸引分佈圖



76年與95年小貨車產生數

76年 95年  
車旅次產生數



生活圈代碼

- |    |   |     |
|----|---|-----|
| 1  | - | 基隆圈 |
| 2  | - | 台北圈 |
| 3  | - | 桃園圈 |
| 4  | - | 新竹圈 |
| 5  | - | 宜蘭圈 |
| 6  | - | 苗栗圈 |
| 7  | - | 台中圈 |
| 8  | - | 彰化圈 |
| 9  | - | 南投圈 |
| 10 | - | 嘉義圈 |
| 11 | - | 台南圈 |
| 12 | - | 高雄圈 |
| 13 | - | 屏東圈 |
| 14 | - | 花蓮圈 |
| 15 | - | 台東圈 |
| 16 | - | 花蓮圈 |
| 17 | - | 台東圈 |

76年與95年小貨車吸引數

76年 95年  
車旅次吸引數

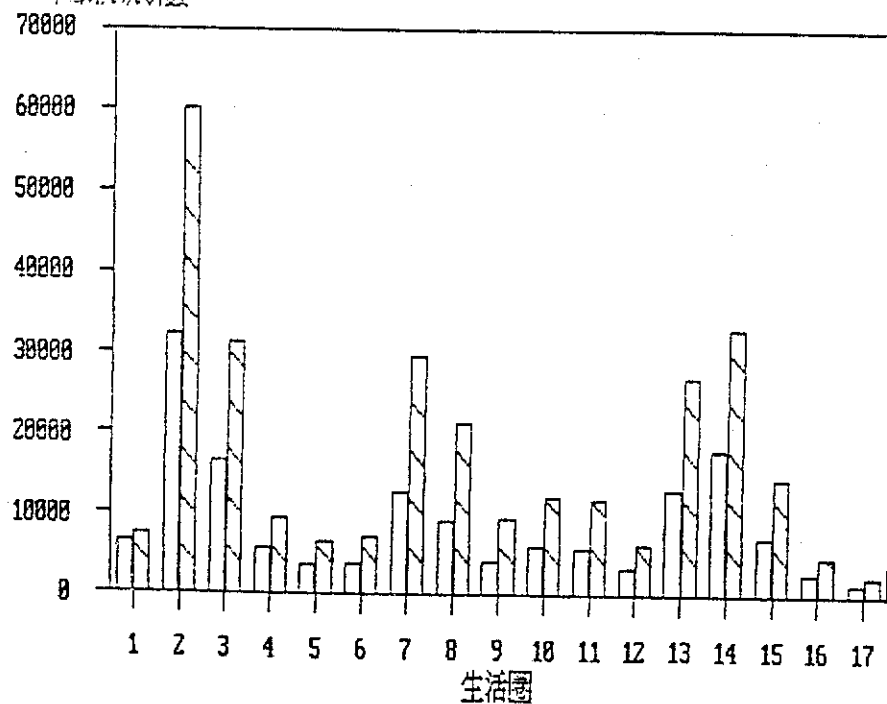
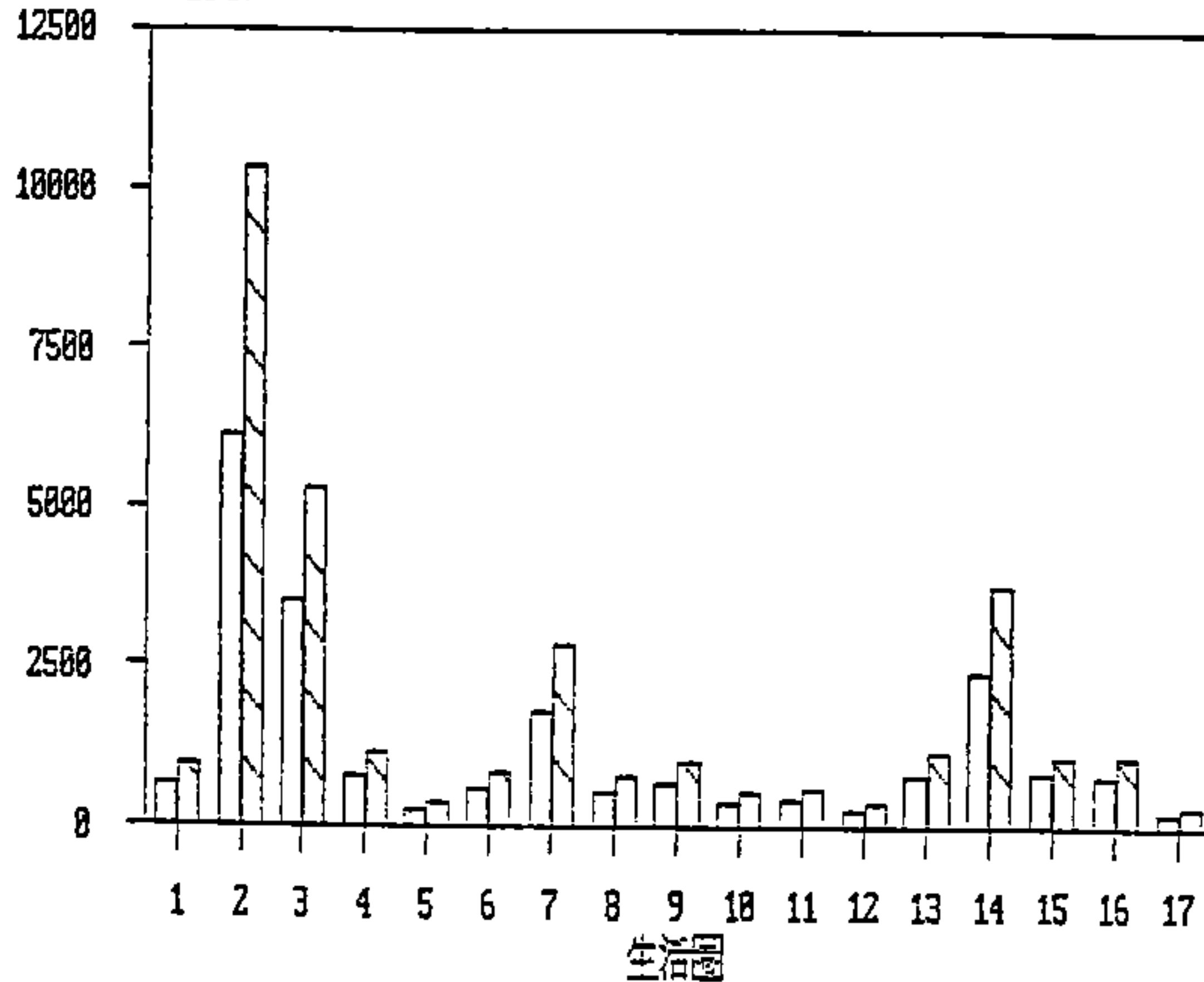


圖 4-1 76年與 95年車旅次產生吸引分佈圖 (續 1)



76年與95年大客車產生數

76年 95年  
車旅次產生數



生活圈代碼

- 1 - 基隆圈
- 2 - 台北圈
- 3 - 桃園圈
- 4 - 新竹圈
- 5 - 宜蘭圈
- 6 - 苗栗圈
- 7 - 台中圈
- 8 - 彰化圈
- 9 - 南投圈
- 10 - 斗六圈
- 11 - 嘉義圈
- 12 - 新營圈
- 13 - 台南圈
- 14 - 高雄圈
- 15 - 屏東圈
- 16 - 花蓮圈
- 17 - 台東圈

76年與95年大客車吸引數

76年 95年  
車旅次吸引數

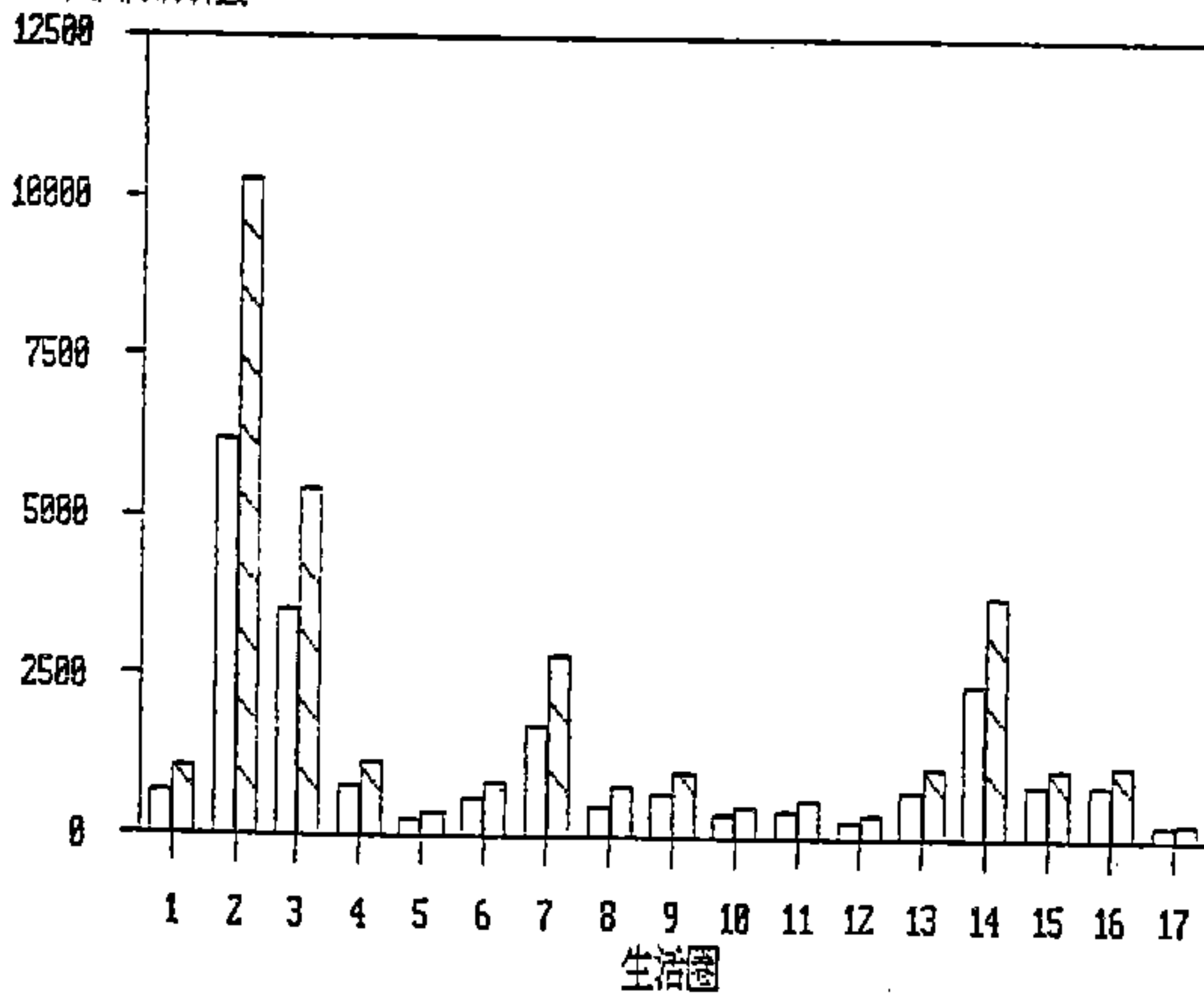
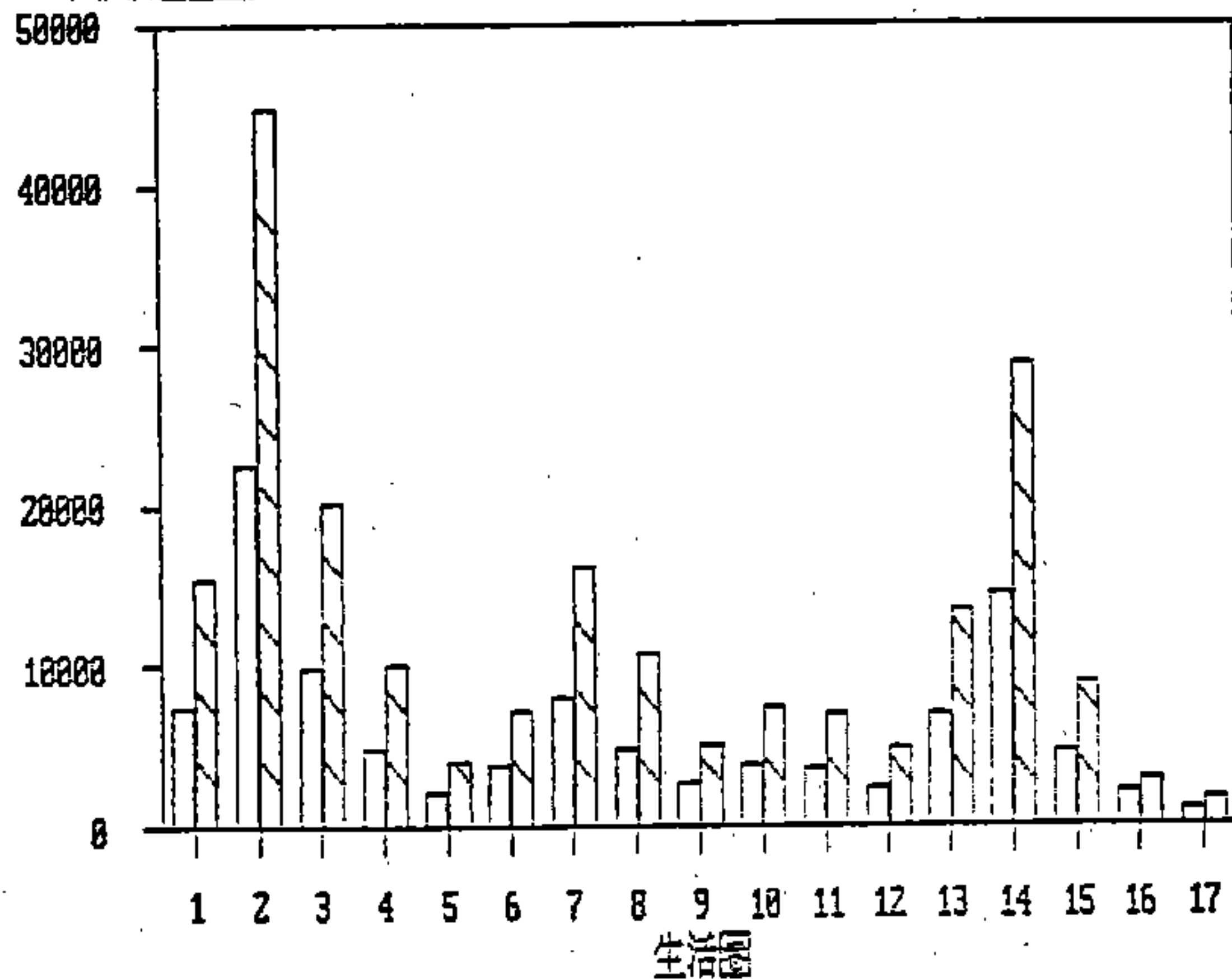


圖 4-1 76年與 95年車旅次產生吸引分佈圖 (續 2)



76年與95年大貨車產生數

76年 95年  
車旅次產生數



生活圈代碼

- |    |   |    |   |
|----|---|----|---|
| 1  | - | 基隆 | 圈 |
| 2  | - | 台北 | 圈 |
| 3  | - | 桃園 | 圈 |
| 4  | - | 新竹 | 圈 |
| 5  | - | 宜蘭 | 圈 |
| 6  | - | 苗栗 | 圈 |
| 7  | - | 台中 | 圈 |
| 8  | - | 彰化 | 圈 |
| 9  | - | 南投 | 圈 |
| 10 | - | 斗六 | 圈 |
| 11 | - | 嘉義 | 圈 |
| 12 | - | 新營 | 圈 |
| 13 | - | 台南 | 圈 |
| 14 | - | 高雄 | 圈 |
| 15 | - | 屏東 | 圈 |
| 16 | - | 花蓮 | 圈 |
| 17 | - | 台東 | 圈 |

76年與95年大貨車吸引數

76年 95年  
車旅次吸引數

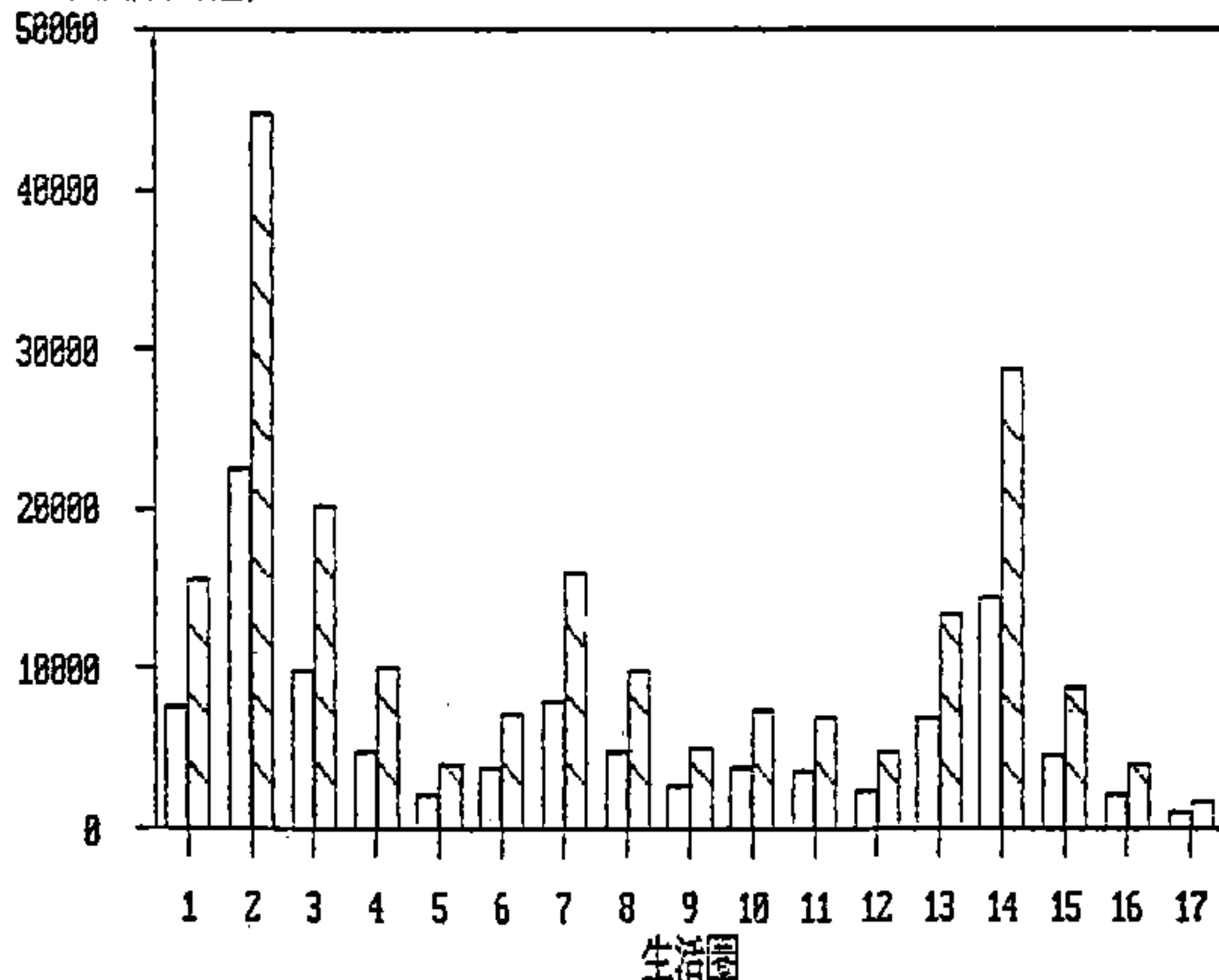


圖 4-1 76年與 95年車旅次產生吸引分佈圖 (續 3)



## 第五章 公路車輛旅次分佈預測

有關交通分區間之旅次分佈預測方法(Interzonal Flow Model)，可概分為綜合模式(Synthetic Model)及成長率法(Growth Factor method)等兩大類。綜合模式主要有重力模式(Gravity Model)及機率模式(Opportunity Model)兩種，而以重力模式較為常用。成長率法主要有平均成長率法(Average Growth Factor method)、弗拉塔法(Fratar method)及底特律法(Detroit Method)三種，其中以弗拉塔法較為常用。本計畫基於資料取得與模式套裝軟體使用方便等因素之考慮，決採用成長率法中之弗拉塔法為目標年區間旅次分佈之預測方法，其公式為：

$$t'_{ij} = t_{ij} \cdot \frac{P'_i}{P_i} \cdot \frac{A'_j}{A_j} \cdot \frac{\sum_k t_{ik}}{\sum_k t_{ik} \cdot \frac{A'_k}{A_k}} \dots\dots(1)$$

式中  $t'_{ij}$ ：從交通區 i 至 j 之未來旅次數

$t_{ij}$ ：從交通區 i 至 j 之現況旅次數

$P'_i$ ：從交通區 i 至 j 之未來產生數

$P_i$ ：從交通區 i 至 j 之現況產生數

$A'_j$ ：交通區 j 未來旅次吸引數

$A_j$ ：交通區 j 現況旅次吸引數



上式計算所得之未來各交通區間之起迄分佈數，必須滿足下列條件：

$$\sum_j t'_{ij} = P'_i, \quad \sum_j t'_{ij} = A'_j \quad \dots\dots\dots (2)$$

故弗拉塔模式必須經過多次反覆計算 (Iteration)，才能收斂得到未來的旅次分佈預測量，其一般式為：

$$t'^p_{ij} = t^{p-1}_{ij} \cdot \frac{P'_i}{P^{p-1}_i} \cdot \frac{A'_j}{A^{p-1}_j} \cdot \frac{\sum_k t^{p-1}_{ik} \cdot \frac{A'_k}{A^{p-1}_k}}{\sum_k t^{p-1}_{ik} \cdot \frac{A^{p-1}_k}{A^{p-1}_k}} \quad \dots\dots\dots (3)$$

式中  $t'^p_{ij}$ ：第P次計算所得之從交通區i至j之旅次數。

$t^{p-1}_{ij}$ ：第P-1次所得之從交通區i至j之旅次數。

$$P^{p-1}_i = \sum_j t^{p-1}_{ij}, \quad A^{p-1}_j = \sum_i t^{p-1}_{ij} \quad P=1, 2, 3, \dots$$

若基年旅次起迄矩陣為  $T=[t_{ij}]$ ，則利用(3)式可以產生一序列矩陣  $T^p=[t^p_{ij}]$ ，直到此一矩陣序列收斂為止，若收斂值為  $T'=[t'_{ij}]$ ，則  $t'_{ij}$  即為預測年i至j區之旅次數。

綜合以上說明可知，弗拉塔模式之重要輸入資料 (Input Data) 有二，其一為基年旅次之起迄分佈資料，本計畫因人力，物力與時間之限制，無法於基年（民國76年）進行此類大規模之調查，此資料乃



73年至76年實際調查所得通過研究範圍內各屏柵線之流量資料，計算其成長倍數，依此再將民國73年運研所調查整理之台灣地區公路車輛旅次起迄表，就各不同車種分別予以放大而得，詳細流程請見圖5-1。其二為目標年車種別各交通分區車輛旅次產生數及吸引數，此一資料已於前章求得。

以上述76年公路車輛旅次表（詳參附錄一）為基年旅次（Base Year Trip）；再引用所求得之基年與目標年各車種各分區之車輛旅次與吸引數計算其成長倍數作為成長因子（Growth Factors），經過4次之反覆運算（iteration），終推得目標年各交通分區間之旅次起迄分佈表（詳參附錄二）。其中民國95年各生活圈四車種車輛起迄表如表5.1～5.4所示。預測結果顯示未來車輛起迄之型態與社會經濟變數之成長，其有密切之關係，在台北都會區、高雄都會區、台中都會區及台南都會區內之區間旅次仍佔最大比例，其次為各都會區與都會區之旅次，由未來各類車種之總車輛起迄需求線（如圖5-2所示），亦可反映上述旅次空間分佈型態。



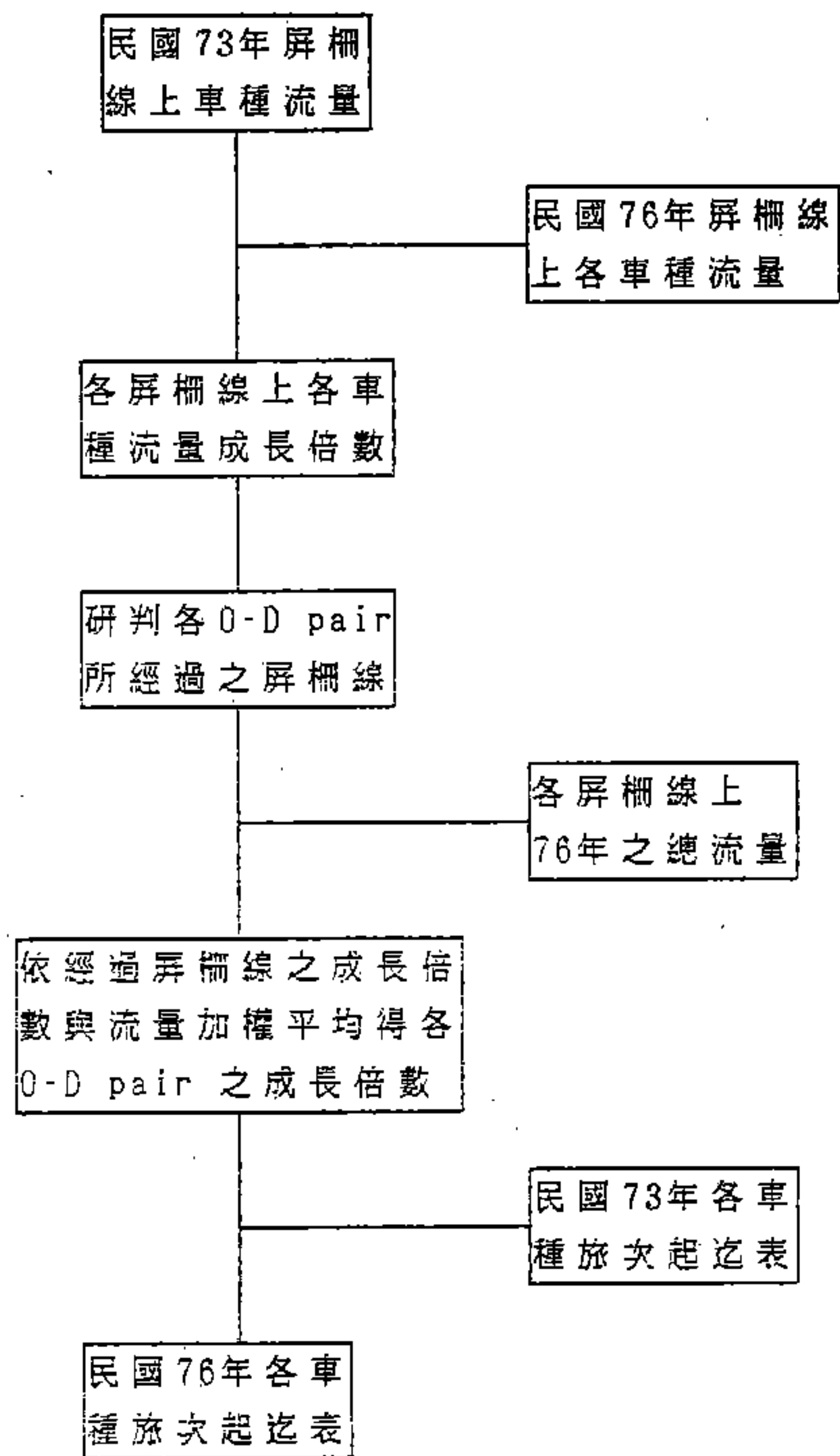


圖 5-1 民國 76 年旅次起迄表推導流程



表 5.1 目標年(小)客車旅客起迄表

生活圈	基隆圈	台北圈	桃園圈	新竹圈	宜蘭圈	苗栗圈	台中圈	彰化圈	南投圈	斗六圈	嘉義圈	新營圈	台南圈	高雄圈	屏東圈	花蓮圈	單位：輛	
																	台東圈	合 計
基隆圈	0	33541	1562	327	449	137	236	57	66	52	43	3	57	113	147	40	27	42857
台北圈	39089	46939	73570	9237	3203	3389	8819	3430	1946	1879	1524	433	1600	1827	1291	365	233	199404
桃園圈	1608	74282	7052	15885	333	1347	2581	676	303	334	340	94	410	322	170	96	46	105879
新竹圈	310	9243	15765	1139	60	4979	1513	397	264	137	58	23	156	127	52	35	35	34233
宜蘭圈	465	3264	330	57	10342	36	159	44	37	12	15	2	44	65	38	60	21	15191
苗栗圈	137	3987	1332	4945	32	2257	18354	1333	528	264	150	29	218	287	84	21	11	34038
台中圈	259	8715	2527	1485	165	18316	5876	18643	19196	2492	1548	426	1623	1172	703	275	112	83533
彰化圈	63	3428	646	383	33	1409	18602	724	2007	10397	1558	270	1033	766	397	84	76	42546
南投圈	70	1909	292	255	34	523	19238	2015	4438	1476	553	171	322	411	196	110	27	32040
斗六圈	72	1840	315	134	17	237	2478	10382	1456	382	4654	512	1440	957	354	24	42	25896
嘉義圈	63	1465	323	61	12	171	1532	1555	542	4636	4143	4390	4102	2210	691	40	30	25966
新營圈	5	368	96	20	4	40	390	262	166	496	4328	489	9200	2328	433	13	29	18667
台南圈	75	1579	384	155	33	205	1590	1087	305	1419	4060	9222	33766	19660	2962	95	64	76661
高雄圈	112	1812	236	115	80	229	1106	747	431	943	2197	2284	19353	53941	29033	227	247	113153
屏東圈	152	1227	167	39	31	84	707	389	201	354	686	427	2969	23609	2350	85	87	39564
花蓮圈	42	367	92	35	64	29	257	93	123	29	37	16	104	228	99	5489	309	7413
台東圈	30	237	52	29	18	12	115	79	31	33	35	27	65	252	88	318	3401	4822
合 計	42552	200233	104801	34311	15110	34000	83553	42573	32040	25035	25038	18818	76522	114275	39088	7377	4797	901923



表 5.2 目標年小貨車旅客起迄表

生活圈	基隆圈	台北圈	桃園圈	新竹圈	宜蘭圈	苗栗圈	台中圈	彰化圈	南投圈	斗六圈	嘉義圈	新營圈	台南圈	高雄圈	屏東圈	花蓮圈	單位：輛	
																	台東圈	合 計
基隆圈	2	6631	185	32	131	17	49	10	10	5	11	0	3	10	7	9	2	7114
台北圈	6761	22273	22332	2694	1403	967	1914	683	247	248	322	102	286	466	235	144	64	61121
桃園圈	186	22204	3109	4355	124	248	405	127	49	62	60	11	38	58	10	11	0	31057
新竹圈	38	2645	4368	587	25	1244	403	95	52	19	34	2	13	25	15	6	1	9572
宜蘭圈	132	1393	120	24	4712	17	60	38	0	0	3	0	7	45	0	78	13	6642
苗栗圈	20	907	239	1182	19	266	3801	247	54	32	49	11	26	20	6	6	10	6895
台中圈	50	1729	368	365	52	3769	4983	9680	5414	1051	638	140	397	335	169	171	45	23356
彰化圈	10	607	111	84	31	245	9831	841	1018	6790	707	112	330	285	168	0	29	20999
南投圈	9	199	47	42	0	58	5378	1025	1682	554	227	47	89	86	21	10	3	9477
斗六圈	4	238	53	14	0	35	1021	6743	567	325	1967	187	481	195	81	6	3	11920
嘉義圈	9	303	48	38	3	43	624	710	219	1981	2087	2162	1738	709	215	12	13	11814
新營圈	1	83	10	2	0	9	144	119	45	191	2104	306	2377	594	169	0	12	6226
台南圈	3	268	31	13	1	28	404	335	86	491	1756	2392	14201	5601	1027	22	33	26692
高雄圈	12	431	51	26	41	15	359	284	98	203	716	612	5657	13441	10774	92	66	32878
屏東圈	6	283	6	15	0	5	173	165	17	88	213	164	1027	10794	1506	55	45	14562
花蓮圈	8	140	14	10	74	6	176	0	4	9	19	0	20	90	54	4049	197	4870
台東圈	2	64	4	2	19	10	43	26	6	5	18	9	37	64	46	189	1899	2443
合 計	7253	60398	31096	9455	6635	6982	29568	21128	9568	12054	11891	6257	26737	32818	14503	4860	2435	293638



表 5.3 目標年大客車旅次起迄表

生活圈	基隆圈	台北圈	桃園圈	新竹圈	宜蘭圈	苗栗圈	台中圈	彰化圈	南投圈	斗六圈	嘉義圈	新營圈	台南圈	高雄圈	屏東圈	花蓮圈	單位：輛	
																	台東圈	合 計
基隆圈	0	464	160	60	0	56	76	29	33	0	9	0	3	32	0	16	0	938
台北圈	478	1290	4554	651	62	138	1141	201	542	183	184	27	219	161	311	186	7	10335
桃園圈	175	4436	59	113	35	22	127	22	81	19	10	11	0	45	72	72	0	5299
新竹圈	66	628	118	0	8	56	155	5	53	11	0	0	7	5	52	12	0	1176
宜蘭圈	0	69	43	9	42	98	80	6	0	8	0	0	24	2	0	19	0	400
苗栗圈	61	139	22	55	102	10	376	0	0	0	0	0	6	30	16	43	0	860
台中圈	104	1144	114	132	73	380	66	24	146	16	19	4	83	71	136	304	26	2842
彰化圈	44	203	20	5	5	0	34	0	0	53	34	12	16	46	61	196	49	778
南投圈	32	533	83	57	0	0	142	0	21	6	20	0	12	31	45	0	0	982
斗六圈	0	202	22	8	8	0	18	47	8	8	51	10	20	17	31	60	0	510
嘉義圈	12	173	14	0	0	0	18	34	20	47	39	40	112	23	31	21	6	590
新營圈	0	25	11	0	0	0	2	16	0	12	39	18	169	20	0	17	51	380
台南圈	12	234	0	0	24	5	81	20	10	26	107	173	205	83	129	15	12	1136
高雄圈	38	186	40	6	2	27	71	59	31	18	21	19	75	3000	178	17	0	3788
屏東圈	0	308	73	51	0	17	139	59	41	30	28	0	124	205	23	0	1	1099
花蓮圈	16	178	78	3	19	32	282	206	0	56	23	10	22	19	0	123	41	1108
台東圈	0	9	0	0	4	0	30	48	0	0	2	55	16	0	2	48	100	314
合 計	1038	10221	5411	1150	384	841	2838	776	986	493	586	379	1113	3790	1087	1149	293	32535

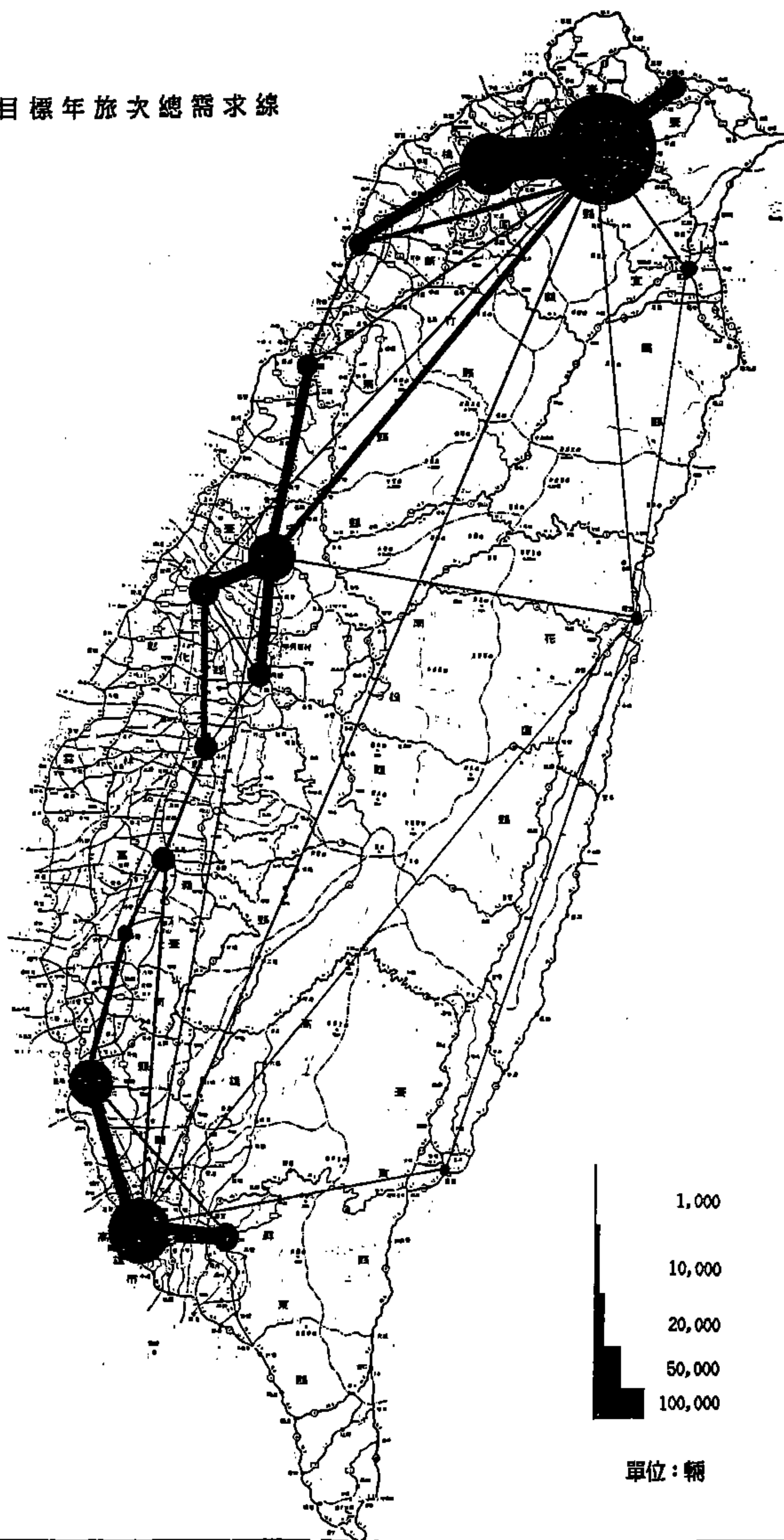


表 5.4 目標年大貨車旅次起迄表

																			單位：輛	
																			台東圈	合 計
生活圈	基隆圈	台北圈	桃園圈	新竹圈	宜蘭圈	苗栗圈	台中圈	彰化圈	南投圈	斗六圈	嘉義圈	新營圈	台南圈	高雄圈	屏東圈	花蓮圈	台東圈			
基隆圈	29	10407	1525	542	345	267	783	219	87	63	26	21	73	943	40	33	10	15413		
台北圈	10461	11809	10526	2261	780	1299	1946	996	466	468	388	199	730	1772	278	216	59	44654		
桃園圈	1533	10530	1057	3671	207	688	828	448	109	132	113	59	208	485	66	18	15	20188		
新竹圈	546	2250	3660	508	64	1341	689	254	74	67	101	61	85	257	13	28	0	9998		
宜蘭圈	341	785	202	65	1840	35	123	80	17	3	4	19	35	229	47	123	11	3959		
苗栗圈	269	1282	695	1345	37	647	1959	314	104	42	96	30	107	196	22	9	12	7166		
台中圈	814	1970	827	690	107	1982	1265	2124	2508	716	536	244	551	1336	233	158	32	16093		
彰化圈	229	992	438	262	85	308	2131	149	426	2511	374	180	515	1065	187	45	8	10805		
南投圈	92	466	115	82	17	97	2510	408	276	406	142	30	78	244	30	3	3	4999		
斗六圈	62	472	132	59	4	46	718	2509	389	101	1039	258	514	805	131	18	44	7301		
嘉義圈	32	392	110	90	7	94	545	370	146	1039	581	1029	963	1277	177	40	0	6901		
新營圈	16	213	65	56	23	29	233	186	25	263	1029	232	1257	926	154	43	8	4758		
台南圈	82	744	194	90	23	117	538	513	85	511	967	1259	3214	4297	759	92	28	13513		
高雄圈	949	1796	487	263	238	180	1342	1079	242	813	1277	925	4281	7927	6178	431	345	28757		
屏東圈	38	290	60	16	40	24	235	182	32	128	181	156	753	6182	309	163	63	8852		
花蓮圈	43	212	29	24	129	12	142	37	7	15	38	45	95	433	163	2260	244	392		
台東圈	9	60	14	0	6	14	36	7	5	44	2	8	28	346	62	249	870	1760		
合 計	15545	44670	20136	10033	3952	7180	16023	9875	4998	7322	6894	4759	13488	28720	8849	3929	1752	208125		



圖 5-2 目標年旅次總需求線





## 第六章 公路網交通量分派預測

### 6.1 交通量分派方法

公路網交通量分派之目的，在求得現況及未來公路網中各路段之交通量；此乃基於公路車輛之駕駛人能完全掌握公路現況因能判斷選用最短行駛時間路線之前提假設下，首先分析交通區間在公路網中之最短路線，再將各交通區間車輛旅次起迄需求量指派在該路線上，進而求得公路網系統上各路段之交通量。

路網交通量分派理論基礎一般係基於華哲普 (Wardrop) 所提出的兩個分派原則，即華哲普第一原則 (Wardrop's first principle) 和華哲普第二原則 (Wardrop's second principle)，茲說明如下：

第一原則：路網內使用的路線，所需之旅行時間，等於或小於其他未被使用路線的旅行時間。

第二原則：所有駕駛人的平均旅行時間為最小；即路網所有起迄點間旅行的總旅行消耗（或總延車分鐘）為最小。

上述第一原則後來引伸為最佳使用分派原則 (User-Optimising Assignment Principle)，其旅行路線的分派係依每個駕駛人的行為而定，一般使用全量或分量承載技術 (heuristic loading Technique)；第二個原則為最佳系統分派原則 (System-optimising Assignment Principle)，旅行路線的分派係考慮整個系統總旅行費用 (cost) 為最少，即選擇兩點間最短旅行路線。

路網交通量分派模式，國內外研究論著很多，不外包括下列數種方法：

#### 1. 全有或全無分派法 (All or Nothing Assignment Method)

首先找出兩起迄點間之最短路線，然後將起迄點間的旅次量全部分派到所尋獲之最短路線上，並令其他非最短路線的交通量為零（全無）。

#### 2. 轉換曲線分派法 (Diversion Curve Assignment Method)

兩交通分區間，存有二條或二條以上的競爭路線，分析各路線



的交通特性，以行車成本比，旅行距離比，旅行時間比或所節省的旅行時間等為橫座標，以使用新路交通量之比率為縱座標，繪出轉換曲線，進而求得分派於新舊路線交通量。

### 3. 容量限制式分派法 (Capacity Restrian Method)

由於全有或全無分派法未能反應路網中各路段之道路容量限制，常導致與實際狀況不符的交通量指派，因此有容量限制指派法之發展，此法一般分為：容量限制式收斂分派法 (Convergence Assignment Method with Capacity Restraint)，容量限制式逐步增量分派法 (Incremental Assignment Method with Capacity Restraint)，容量限制式線性規劃分派法 (Linear Assignment Method with Capacity Restraint) 等多種，目前已經發展且應用較廣泛者為容量限制式逐步增量分派方法，此法係按照全有或全無方式分派總旅次  $1/n$  部份到最短路徑，而由於交通量改變了整個路網上的旅行時間或旅行成本，乃重新估算最短路徑，再分派剩餘旅次之一部份到新的最短路徑上，依此程序直至全部交通量分派完為止。

### 4. 多徑比例分派法

此法係找出任兩交通區間的可通路線，再將分區間旅次按比例分派到各條路線上，大部分的旅次會選擇最短旅行時間或最短旅行成本的路徑，而仍考慮有部份旅次會選擇較長或較貴的路徑，因此較能反應實際情況，概因並非每一駕駛人均熟悉路網而能找到真正最短或便宜的路徑；唯其缺點在難於估計各路徑臨界單位旅行時間因此在應用上不免受到限制。

再者交通量分派作業過程中輸入資料有二，其一為基年及未來年之旅次起迄表；其二為基年與目標年計畫方案之路網資料，此項資料係先將研究範圍內之公路路段，路線之重要交會點與各交通分區中旅次產生吸引較具代表性之地理位置整理成為連線 (Link)、節點 (Node) 與分區中心 (Centroid) 等資料，分別予以編碼 (Coding) 而成。有關本計畫所建立之路網系統如圖 6-1 所示，其中虛線之連線表示計畫或新闢之公路網，而路網的屬性則根據道路狀況及車道數加以設定，主要包括連線之距離，行駛速率及公路容量等。節點與地名對照表請參閱附錄三。





圖 6-1 交通量分派節點－連線－中心圖



基於上述分析，比較各種交通分派方法之優劣，並考量模式之實用性及運輸規劃套裝軟體應用現況，本研究交通量分派方法乃採用TRANPLAN套裝軟體中所提供之逐次增量指派 (Incremental Loading) 與容量限制 (Restraint Loading) 法，亦即在路線容量之限制下，將欲分派之旅次依比率逐次指派到路線上，本研究經過多次之測試，最後權衡採用4次分派作業，每次分派之比例依次為40%，30%，20%，10%。換言之，在交通量分派時，就每一組起迄之交通量而言，第一次皆將全部交通量之40%分派於最短路線上，爾後再重新計算求最短路線，再依次分派30%，20%與10%；又每一特定的公路路段均有其相應之路段容量，雖然其大小將視不同的道路狀況，地形 (Terrain)、設計速率、交通組成...等等因素之不同而有所差異，但其終究有一上限值，隨著交通流量之增加，流量與容量之比值 ( $V/C$ ) 將直接影響行車所需花費的時間，進而影響駕駛人對路線的選擇，本研究係採用美國公路局 (Bureau Public Roads) 所訂定之容量限制公式建立公路交通流量與行車時間二者關係的函數關係，公式說明如下：

$$T_i^n = T_i^{n-1} * [ 1 + 0.15 ( \frac{V_i^n}{C_i} )^4 ] * 0.87$$

式中  $T_i^n$  : 第n次分派時，第i路段之行車時間。

$T_i^{n-1}$  : 第n-1次分派時，第i路段之行車時間。

$V_i^n$  : 第n次分派時於第i路段上交通流量。

$C_i$  : 第i路段上之實際容量。

交通量之分派作業便是根據上式所示之行車時間與交通量之關係，於每次增量分派後，即需重新計算各路段之行車時間及兩中心區間



之最短路線，爾後再進行下一次增量之交通量分派，如此反覆運作，直到所有交通量分派完畢為止。

## 6.2 交通量分派預測分析

交通量分派預測分析內容係將現況起迄交通量及預測未來起迄交通量，配合現況路網及目標年（民國95年）網路從事交通量分派電腦作業，進而求得未來年路段交通量預測數。茲分述如下：

### (1) 現況交通量分派分析

首先本研究將基年各交通分區間之車輛旅次起迄量，以前節所述之分派方法分派於擬定之計劃區內基年公路系統路網上，再將所得路網中各路段上之指派交通量與現況實際調查交通量進行比較，結果各重要路段之誤差多數均在15%以內，其中高速公路部份誤差更小，約在10%左右。再者，若以屏柵線總和交通量來比較，各屏柵線實際流量與分派交通量之誤差均在5%以內，參見表6.1。此一結果當可接受，因此計畫所擬定之路網系統及所使用之分派模式與分派程序應屬合理。

### (2) 計畫網路交通量分派分析

運用目標年車輛旅次起迄資料配合計畫網路方案之屏柵交通量成長預測如表6.2所示，結果顯示未來台灣地區公路將以通過台北－桃園交通量最鉅，每日平均流量高達46萬小客車當量，其次為台中－彰化間之交通量，每日24萬小客車當量，其他西部走廊各屏柵線流量亦超過每日10萬輛之需求水準；至於東西部溝通之屏柵線流量，則以台北－宜蘭間每日2.5萬小客車當量聯絡較為頻繁。再者，就各屏柵線成長情形觀之，台中－彰化間流量年平均成長率4.23%最高，成長最緩者屬中部－花蓮間之交通，年平均成長率為2.56%，另花東縱谷南段，成長情形亦較為緩慢，僅達2.57%。另就路網每日總行車里程觀之，預測民國82年為56,841千車公里，民國86年為66,848千車公里，民國95年為89,364千車公里，總行車小時民國82年為969千車小時，民國86



表 6.1 基年指派交通量與調查交通量之比較

屏 柵 線	站 號	道 路	位 置	路 網 編 碼	調 查 量 (PCU)	指 派 量 (PCU)	誤 差 (%)
1	1	國 1	汐 止 收 費 站	1401-1402	49043	51845	6
	2	國 5	汐 止 收 費 站	480-551	27850	25462	-9
	3	縣 106	汐 止 收 費 站	809-1290	966	13	-
			計		77859	77320	-1
2	4	台 15	下 山 山 收 費 站	593-594	1513	183	-
	5	鄉 108	下 山 山 收 費 站	594-804	2560	1036	-
	6	縣 105	下 山 山 收 費 站	804-212	6114	7607	24
	7	國 1	下 山 山 收 費 站	1403-1404	126038	123617	-2
	8	縣 1	下 山 山 收 費 站	408-409	38541	40116	4
	9	縣 114	下 山 山 收 費 站	814-810	10670	11992	12
	10	縣 3	下 山 山 收 費 站	503-504	22490	22615	1
	11	縣 110	下 山 山 收 費 站	504-811	7295	4886	-
			計		215221	212052	-2
3	12	台 15	埔 樟 收 費 站	598-599	1170	987	-16
	13	縣 1	埔 樟 收 費 站	219-415	27077	24207	-11
	14	國 1	埔 樟 收 費 站	1405-1406	74194	72992	-2
	15	縣 3	埔 樟 收 費 站	508-509	5740	8783	53
	16	縣 115	埔 樟 收 費 站	219-815	4814	681	-
			計		112995	107650	-5
4	17	台 13	竹 橋 收 費 站	420-581	6502	1305	-
	18	縣 1	竹 橋 收 費 站	419-420	16305	14155	-13
	19	縣 1	竹 橋 收 費 站	1407-1408	59643	60727	2
	20	縣 3	竹 橋 收 費 站	511-512	378	660	-
			計		82828	76847	-7
5	21	台 1	大 里 收 費 站	426-427	12116	10530	-13
	22	縣 13	大 里 收 費 站	586-587	16382	16162	-1
	23	縣 1	大 里 收 費 站	1409-1410	58210	59710	3
	24	縣 3	大 里 收 費 站	515-516	2528	3164	25
			計		89236	89566	0
6	25	台 17	新 肚 溪 橋 收 費 站	631-632	7705	3424	-
	26	縣 1	新 肚 溪 橋 收 費 站	228-232	29321	32411	11
	27	縣 3	新 肚 溪 橋 收 費 站	522-523	18160	19253	6
	28	縣 1	新 肚 溪 橋 收 費 站	228-229	53494	51622	-3
			計		108680	106710	-2
7	29	台 19	自 治 大 橋 收 費 站	662-662	4295	3306	-23
	30	縣 1	自 治 大 橋 收 費 站	435-436	8769	8630	-2
	31	縣 1	自 治 大 橋 收 費 站	1411-1412	48777	53493	10
	32	縣 3	自 治 大 橋 收 費 站	527-528	11528	4958	-
	33	縣 145	自 治 大 橋 收 費 站	436-662	3903	7866	-
	34	縣 141	自 治 大 橋 收 費 站	822-528	6057	2705	-
			計		83329	80958	-3
8	35	台 17	北 港 溪 口 橋 收 費 站	640-641	1243	0	-
	36	縣 19	北 港 溪 口 橋 收 費 站	668-669	2390	6094	-
	37	縣 157	北 港 溪 口 橋 收 費 站	828-829	2121	4405	-
	38	縣 1	北 港 溪 口 橋 收 費 站	1413-1414	43845	41054	-6
	39	縣 1	北 港 溪 口 橋 收 費 站	440-441	13056	12591	-4
	40	縣 3	北 港 溪 口 橋 收 費 站	529-530	1842	734	-
			計		64497	64878	1



續表

表 6.1 基年指派交通量與調查交通量之比較

屏柵線	站號	道路	位置	路網編碼	調查量 (PCU)	指派量 (PCU)	誤差 (%)	
9	41	台17	北鹽新後白法合 營收費	門水站壁河水計	642-643	2454	0	-
	42	台19		671-672	6017	6906	15	
	43	台1		1415-1416	42285	43017	2	
	44	台1		443-444	10643	10470	-2	
	45	台165		751-830	2039	1785	-12	
	46	台3		531-532	2732	0	-	
					65970	62178	-6	
10	47	台17	永西新善善王合 市收費	吉灣站化化元計	645-646	2960	0	-
	48	台19		675-676	14890	15862	7	
	49	台1		1417-1418	49224	51678	5	
	50	台177		833-834	5224	4227	-19	
	51	台1		448-449	9746	9768	0	
	52	台3		533-534	2110	0	-	
					84154	81535	-3	
11	53	台17	維國國同嶺旗合 山收費	新山站山口尾計	648-649	2456	800	-
	54	台1		454-455	20859	21699	4	
	55	台1		1419-1420	51445	50355	-2	
	56	台177		455-836	4882	3913	-20	
	57	台21		538-689	7234	4343	-	
	58	台3		539-540	3069	2584	-16	
					89945	83694	-7	
12	59	台1	高林合 屏園大大橋橋計	457-458	38216	37006	-3	
	60	台17		652-653	18737	19382	3	
					56953	56388	-1	
13	61	台9	新福合 店隆計	601-603	4535	6135	35	
	62	台2		481-1201	6466	6010	-7	
					11001	12145	10	
14	63	台9	和思合 平源計	1226-1227	2112	2528	20	
	64	台7甲		1214-1215	268	321	20	
					2380	2849	20	
15	65	台9	壽花合 蓮大豐橋計	609-1228	3239	2292	-29	
	66	台11		608-1233	2139	3059	-	
					5378	5351	-1	
16	67	台9	鹿東合 野河計	615-1230	1809	1137	-37	
	68	台11		573-1242	1428	3232	-	
					3237	4369	35	
17	69	台8	梨瑞合 山里計	1217-1218	814	935	15	
	70	台14		683-1243	2495	1753	-30	
					3309	2688	-19	
18	71	台20	甲風合 仙港計	765-1262	2296	43	-	
	72	台9		463-1232	2057	4163	-	
					4353	4206	-3	

\* 本表所指交通量均不含機車



表 6.2 目標年計畫路網屏柵線流量成長分析

屏柵線      位 置      1987流量 (PCU)   2006流量 (PCU)   成長倍數   年成長率 (%)

\*\*\*\*\*

1	基隆 --- 台北	77320	147257	1.905	3.45
2	台北 --- 桃園	212050	463867	2.188	4.21
3	桃園 --- 新竹	107650	226413	2.103	3.99
4	新竹 --- 苗栗	76847	161505	2.102	3.99
5	苗栗 --- 台中	89566	191948	2.143	4.09
6	台中 --- 彰化	106710	238361	2.234	4.32
7	彰化 --- 雲林	80958	171361	2.117	4.03
8	雲林 --- 嘉義	64878	138316	2.132	4.06
9	嘉義 --- 台南 北部	62178	133135	2.141	4.09
10	台南 --- 台南 北部 南部	81535	184037	2.257	4.38
11	台南 --- 高雄 南部	83694	183716	2.195	4.22
12	高雄 --- 屏東	56388	125310	2.222	4.29
13	台北 --- 宜蘭	12145	25336	2.086	3.95
14	宜蘭 --- 花蓮	2449	4631	1.891	3.41
15	花東縱谷北段	5351	8793	1.643	2.65
16	花東縱谷南段	4369	7072	1.619	2.57
17	中部 --- 花蓮	2688	4346	1.617	2.56
18	南部 --- 台東	4206	7885	1.875	3.36

\*\*\*\*\*

\* 註：本表所示流量均不含機車。



年為1,123千車小時，民國95年為1,470千車小時。預測至民國95年總行車公里成長為2.14倍，年平均率4.1%，總行車小時成長為1.99倍，年平均成長率為3.7%。

### (3) 路段交通量預測

交通量分派預測結果除包括甲種車輛外，亦須考慮路段機車交通量，為預測台灣地區公路網中含機踏車之未來路段交通量，本規劃以公路局歷年交通量調查劃分路段為基礎，並應用民國76年公路局「台灣省公路交通量調查統計」中各路段交通量為基數。首先將機車交通量提出，假設機車旅次起迄大多以短程區間為主，採用路段交通量組成分析方法求得該路段機車交通量預測值，加總兩部份交通量而得路段交通量預測值。整體公路系統路段交通量預測值詳見表6.3~6.4 省、縣道路交通量預測。其中省道以台1線台北至丹鳳段，現況每日交通量為121,739小客車當量，預測至民國95年為198,434小客車當量，成長1.63倍，交通量負荷最鉅；縣道114號路板橋至光復橋段，現況每日交通量52,818小客車當量，預測民國95年達163,735小客車當量，成長3.10倍甚為迅速。



表 6.3 省道路段交通量預測表

單位：P.C.U/日

路 線	起 點	迄 點	現 況 交 通 量		預 測 交 通 量		
			76年	82年	86年	95年	
台 1	北鳳寮園歷梅口竹湖份文班甯裡甲鹿田彰化林螺斗南	丹鳳寮園歷梅口竹湖份文班甯裡甲鹿田彰化林螺斗南	121739	145958	162105	198434	
		丹鳳寮園歷梅口竹湖份文班甯裡甲鹿田彰化林螺斗南	49517	68437	81051	109432	
		丹鳳寮園歷梅口竹湖份文班甯裡甲鹿田彰化林螺斗南	22792	30709	35988	47864	
		丹鳳寮園歷梅口竹湖份文班甯裡甲鹿田彰化林螺斗南	37687	55538	67440	94217	
		丹鳳寮園歷梅口竹湖份文班甯裡甲鹿田彰化林螺斗南	31103	41907	49110	65316	
		丹鳳寮園歷梅口竹湖份文班甯裡甲鹿田彰化林螺斗南	10477	15935	19575	27763	
		丹鳳寮園歷梅口竹湖份文班甯裡甲鹿田彰化林螺斗南	20385	33260	38766	51150	
		丹鳳寮園歷梅口竹湖份文班甯裡甲鹿田彰化林螺斗南	22387	37233	47130	59390	
		丹鳳寮園歷梅口竹湖份文班甯裡甲鹿田彰化林螺斗南	9362	14979	18724	27150	
		丹鳳寮園歷梅口竹湖份文班甯裡甲鹿田彰化林螺斗南	19165	30664	38831	47950	
		丹鳳寮園歷梅口竹湖份文班甯裡甲鹿田彰化林螺斗南	11040	18710	23823	35327	
		丹鳳寮園歷梅口竹湖份文班甯裡甲鹿田彰化林螺斗南	9536	16462	21079	31458	
		丹鳳寮園歷梅口竹湖份文班甯裡甲鹿田彰化林螺斗南	7634	13178	16874	25191	
		丹鳳寮園歷梅口竹湖份文班甯裡甲鹿田彰化林螺斗南	14648	24362	30838	45409	
		丹鳳寮園歷梅口竹湖份文班甯裡甲鹿田彰化林螺斗南	16752	26803	33508	48530	
	北鳳寮園歷梅口竹湖份文班甯裡甲鹿田彰化林螺斗南	丹鳳寮園歷梅口竹湖份文班甯裡甲鹿田彰化林螺斗南	16638	26148	32486	46753	
		丹鳳寮園歷梅口竹湖份文班甯裡甲鹿田彰化林螺斗南	36976	58110	72200	90801	
		丹鳳寮園歷梅口竹湖份文班甯裡甲鹿田彰化林螺斗南	27566	43321	53825	69540	
		丹鳳寮園歷梅口竹湖份文班甯裡甲鹿田彰化林螺斗南	15012	24968	31605	46533	
		丹鳳寮園歷梅口竹湖份文班甯裡甲鹿田彰化林螺斗南	5734	7944	9416	12730	
		丹鳳寮園歷梅口竹湖份文班甯裡甲鹿田彰化林螺斗南	16234	23154	27768	38149	
		丹鳳寮園歷梅口竹湖份文班甯裡甲鹿田彰化林螺斗南	15036	21826	26352	36537	
		丹鳳寮園歷梅口竹湖份文班甯裡甲鹿田彰化林螺斗南	27895	40492	48889	67784	
		丹鳳寮園歷梅口竹湖份文班甯裡甲鹿田彰化林螺斗南	17842	23364	27045	35328	
		丹鳳寮園歷梅口竹湖份文班甯裡甲鹿田彰化林螺斗南	9776	15951	20067	29329	
		丹鳳寮園歷梅口竹湖份文班甯裡甲鹿田彰化林螺斗南	10188	16623	20913	30555	
		丹鳳寮園歷梅口竹湖份文班甯裡甲鹿田彰化林螺斗南	11129	18158	22843	33386	
		丹鳳寮園歷梅口竹湖份文班甯裡甲鹿田彰化林螺斗南	22425	35171	43669	62789	
		丹鳳寮園歷梅口竹湖份文班甯裡甲鹿田彰化林螺斗南	26627	42604	53255	77219	
		丹鳳寮園歷梅口竹湖份文班甯裡甲鹿田彰化林螺斗南	47113	66156	78851	107417	
	台 1 甲	丹鳳寮園歷梅口竹湖份文班甯裡甲鹿田彰化林螺斗南	9486	13140	15577	21058	
		丹鳳寮園歷梅口竹湖份文班甯裡甲鹿田彰化林螺斗南	8683	11836	13938	18668	
		丹鳳寮園歷梅口竹湖份文班甯裡甲鹿田彰化林螺斗南	12025	16620	19683	26575	
		丹鳳寮園歷梅口竹湖份文班甯裡甲鹿田彰化林螺斗南	22448	25703	27832	32773	
		丹鳳寮園歷梅口竹湖份文班甯裡甲鹿田彰化林螺斗南	6144	8026	9280	12103	
		丹鳳寮園歷梅口竹湖份文班甯裡甲鹿田彰化林螺斗南	35160	45930	53110	69265	
		丹鳳寮園歷梅口竹湖份文班甯裡甲鹿田彰化林螺斗南	5860	7710	8944	11719	
		丹鳳寮園歷梅口竹湖份文班甯裡甲鹿田彰化林螺斗南	7210	11422	14231	20549	
台 1 乙 台 2	高乾開淡水山隆濱城	高乾開淡水山隆濱城	9111	13456	16352	22869	
		高乾開淡水山隆濱城	12087	13957	15204	18009	
		高乾開淡水山隆濱城	2990	4283	5145	7085	
		高乾開淡水山隆濱城					



表 6.3 省道路段交通量預測表(續1)

單位：P.C.U/日

路 線	起 點	迄 點	現 況 交 通 量	預 測 交 通 量		
			76年	82年	86年	95年
台 2甲	省市界	金山	4626	5838	6647	8465
台 3	省市界	板橋	90235	108187	120155	147083
	板橋	三峽	18608	29597	36923	53406
	三峽	溪頂	3711	6172	7813	11505
	溪頂	潭西	19075	31724	40157	59131
	潭西	關橫	7510	12727	16206	24032
	關橫	竹東	7079	11773	14903	21945
	竹東	湖珠	4769	8082	10291	15261
	湖珠	三灣	6838	11589	14756	21882
	三灣	水蘭	3322	5734	7343	10962
	水蘭	勢原	4930	8355	10639	15777
	勢原	中峰	1037	1790	2292	3422
	中峰	屯投	6134	10202	12913	19015
	屯投	間山	6635	11036	13969	20570
	間山	內六	17600	28715	36126	52799
	內六	滿埔	35277	50427	60527	83253
	滿埔	西井	65750	82983	94472	120322
	西井	埔山	26006	41609	52011	75417
	埔山	港東	22189	32909	40057	56138
	港東	投窩	9692	15721	19740	28784
	投窩	炭園	6067	8711	10474	14440
	炭園	頂溪	16993	24399	29336	40444
	頂溪	門堵	14331	23834	30170	44425
	門堵	隆基	7772	12926	16362	24094
	隆基		7147	12337	15798	23584
			889	1310	2520	5230
			3501	4231	5550	8520
			2052	3017	4550	8010
			11002	16213	19688	27505
			3749	5228	11250	24800
			11217	18159	22787	33201
台 3甲	屏南	深南	12273	20024	25192	36819
台 3乙	樹屯	南深	6279	9253	11235	15696
台 3丙	草竹	南桃	8092	13203	16611	24277
台 4	園頂	大石	16265	26538	33386	48795
	園頂	大石	39518	64477	81116	118554
	大石	六基	25602	43389	55247	81927
	六基		-	18330	22340	30020
			3407	5667	7173	10562
台 5	港埔		33844	51372	54960	63050
			16797	26875	33594	48712



表 6.3 省道路段交通量預測表 (續 2)

單位：P.C.U./日

路 線	起 點	迄 點	現 況 交 通 量		預 測 交 通 量		
			76年	82年	86年	95年	
台 6	十班坑	苗栗	5100	8160	10200	14791	
		公館	18001	25618	30696	42122	
台 7	苗公大百復巴樓再樓蘭山源埔門星東勢平山禹祥美店河牌城澳德魯蓮蓮里上野鹿初卑知大壽新	汶水	4660	12371	17512	29079	
		百吉	9065	20831	28674	46323	
		復興	5688	13070	17991	29065	
		巴陵	1574	3617	4979	8043	
		樓蘭	97	223	307	495	
		再連	2221	5102	7024	11347	
台 7甲	樓蘭山源埔門星東勢平山禹祥美店河牌城澳德魯蓮蓮里上野鹿初卑知大壽新	宜南	2605	4867	6375	9768	
		山源	730	1656	2273	3662	
台 7乙	山源埔門星東勢平山禹祥美店河牌城澳德魯蓮蓮里上野鹿初卑知大壽新	梨山	699	1587	2179	3510	
		三民	1013	2299	3156	5085	
台 7丙	大牛三羅東和梨大山景新銀河牌城澳德魯蓮蓮里上野鹿初卑知大壽新	三星	3118	7055	9681	15588	
		羅東	3592	9433	13327	22090	
台 8	三羅東和梨大山景新銀河牌城澳德魯蓮蓮里上野鹿初卑知大壽新	羅東	15808	41517	58657	97220	
		和勢	4822	6542	7689	10270	
		平山	2295	4673	6258	9824	
		梨山	1971	4012	5372	8434	
		禹祥	703	1327	1742	2678	
		美店	2324	2978	3413	4393	
台 9	河牌城澳德魯蓮蓮里上野鹿初卑知大壽新	新銀	2258	2893	3316	4268	
		河牌	52373	80819	99783	142453	
		城澳	11007	15943	19233	26637	
		德魯	6900	9885	11875	16353	
		蓮蓮	3920	5616	6747	9291	
		里上	15691	22183	26510	36247	
		野鹿	3924	5188	6030	7926	
		初卑	4214	5571	6475	8511	
		知本	5457	7215	8387	11023	
		大壽	4963	6467	7470	9727	
		新	26245	31383	34809	42517	
		店	5643	6748	7484	9141	
台 9甲	河牌城澳德魯蓮蓮里上野鹿初卑知大壽新	河牌	3633	4115	4436	5159	
		城澳	3032	3442	3682	4223	
		德魯	4562	5095	5451	6250	
		蓮蓮	4698	5247	5613	6436	
		里上	2334	2857	3206	3991	
		野鹿	5200	6481	7334	9256	
		初卑	6451	8162	9303	11869	
		知本	5235	6624	7549	9632	
		大壽	10293	16794	21128	30879	
		新	1716	2799	3521	5147	



表 6.3 省道路段交通量預測表 (續 3)

單位：P.C.U/日

路 線	起 點	迄 點	現 況 交 通 量		預 測 交 通 量		
			76年	82年	86年	95年	
台 9乙	檳榔 吉安港 中大雅 大花蓮 花蓮 豐濱 大峰 大成 加路 光復 富源 豐源 中港 王田 竹苗 后里 談文 彰草 柑子 埔里 霧社 芬園 八里 竹園 大觀 音間 名林 水鹿 鹿寮 新溫 二裡 雄義 嘉庄 後頂	大南	619	1009	1270	1856	
台 9丙		壽豐	20102	26450	30682	40204	
台 10		台中	36468	53742	65258	91170	
台 10甲		豐原	6956	9394	11019	14677	
台 11		花蓮 大橋	3637	4613	5264	6729	
		豐濱	2455	3114	3554	4542	
		大峰	1898	2408	2747	3512	
		大成	3786	4791	5460	6967	
		加路	2029	2561	2916	3713	
		卑南	4383	5531	6297	8020	
台 11甲	復源 源港 田南 栗里 文化 屯子 林 柑埔 里社 霧大 南崗 竹園 大觀 音豐 新林 頂底 寮 水鹿 港城 大金 七股 灣裡 港中 底寮 庄六 鳳廟	豐濱	3564	4464	5064	6415	
台 11乙		豐源	10735	13447	15255	19323	
		知本	4403	5515	6256	7925	
台 12		台中	28510	42285	51469	72131	
台 12甲		中栗	46297	61648	71882	94909	
台 13		苗里	5357	8740	10995	16070	
		后豐	5148	8236	10295	14928	
		里原	21503	34405	43007	62360	
台 13甲		苗栗	5779	9247	11558	16759	
台 14		草屯	12516	13583	14295	15895	
	柑子	9445	11533	12925	16057		
	埔里	8418	10704	12228	15657		
	霧社	8999	11472	13120	16829		
台 14甲	里社 園里 園音 豐新 林尾 底寮 港城 湖股 裡中 港寮 庄六 鳳廟	大南	3237	3431	3560	3851	
台 14乙		南崗	4781	5325	5687	6502	
台 15		竹園	1999	3324	8030	18620	
		大觀	2893	4902	10950	24550	
		音豐	6411	10864	15560	26120	
		新林	2376	4026	6810	13070	
台 16		尾寮	15628	21649	25663	34695	
		頂底	25766	35693	42311	57201	
台 16甲		水鹿	2680	3712	4401	5949	
台 17		港城	9088	15115	19133	28174	
	大金	13199	21951	27787	40916		
	七股	1264	2102	3930	90500		
	灣裡	1707	2785	5040	10120		
	港中	3914	6386	8034	11742		
	寮底	5941	9693	12195	17823		
	庄六	13334	21755	27369	40001		
台 18	鳳廟	23973	39114	49209	71920		
	吳	10710	14294	16684	22062		
		5871	9579	12051	17612		



表 6.3 省道路段交通量預測表 (續 4)

單位：P.C.U./日

路 線	起 點	迄 點	現 況 交 通 量		預 測 交 通 量	
			76年	82年	86年	95年
台 19	彰化	葫桐腳	29620	49262	62357	91821
	葫桐腳	溪湖	11230	18677	23642	34813
	溪湖	埔心	11226	16969	20798	29412
	埔心	崙背	5301	8012	9820	13888
	崙背	北港	3411	5565	7001	10233
	北港	朴子	4685	7377	9172	13211
	朴子	義竹	3909	6624	8435	12508
台 20	義竹	學甲	7201	11977	15160	22323
	學甲	台南	18066	29475	37082	54197
	台南	永康	27465	42210	52039	74156
	永康	新化	12325	16801	19785	26498
	新化	玉井	8231	10388	11827	15063
	玉井	甲仙	4125	6860	8684	12787
	甲仙	天池	2318	3240	3855	5239
台 20乙 台 21	天池	初來	324	453	539	733
	左鎮	南化	2248	2837	3230	4113
	埔里	日月潭	6311	8164	9400	12180
	日月潭	頂坎	3918	5068	5835	7561
	頂坎	和社	5849	7567	8712	11289
	和社	甲仙	-	4450	7010	8870
	甲仙	旗山	6319	9900	12280	17660
台 21甲 台 22 台 23 台 24	旗山	旗山	10409	16654	20817	30185
	旗山	口子	11428	13810	15398	18970
	口子	光寺	1646	2582	3206	4610
	屏東	三地	6162	9665	12000	17254
	里港	東河	1847	1678	1565	1312
	楓港	恆春	5248	6342	7071	8712
	恆春	鵝鑾	3138	3792	4228	5209



表 6.4 縣道路段交通量預測表

單位：P.C.U/日

路 線	起 點	迄 點	現 況 交 通 量		預 測 交 通 量		
			76年	82年	86年	95年	
101	三芝新庄	淡水	721	1176	1480	2163	
101甲		竹子湖	754	1230	1547	2261	
102		瑞芳	5678	9264	11655	17035	
		牡丹坑	1160	1893	2381	3480	
102乙	牡丹坑	瑞芳	998	1628	2048	2993	
		八堵	24836	29777	33071	40482	
		瑞芳	-	22800	25071	29000	
103	龍形	三台北	6728	10659	13279	19175	
104	二里	林口	72482	86903	96516	118146	
105		龜山	5130	8273	10368	15082	
106	林下福口山莊橋和坑溪子寮	林口	9211	12440	14592	19436	
		泰山	2682	3622	4249	5659	
		山莊橋	12331	18171	22065	30826	
		和美	20259	25569	29110	37075	
		景美	20230	25532	29067	37021	
		雙溪	48601	58270	64716	79220	
		瑞芳	40077	48050	53365	65325	
		十份	19644	30127	37116	52841	
		八林港	1853	2707	3276	4558	
		107	新南大桃園歌溪館權和音廳園廳潭安屋廳歌林橋觀楊新	樹林	16562	27546	34868
109	大桃園歌溪館權和音廳園廳潭安屋廳歌林橋觀楊新	深港	16970	28223	35726	52606	
110		桃園	2390	2715	2931	3418	
110甲	大桃園歌溪館權和音廳園廳潭安屋廳歌林橋觀楊新	鶯歌	4112	6709	8440	12336	
		三峽	11131	18161	22848	33393	
		公館	14495	23191	28989	42034	
		新店	11051	18379	23264	34257	
		頂頂	14497	20219	24034	32617	
		公館	22745	38546	49081	72783	
		中崎	10072	16752	21205	31224	
		111	中崎	11144	13995	15895	20171
		112	中崎	8822	15229	19501	29112
		113	龍潭	9541	12554	14563	19083
潭門	20571		34212	43307	63769		
石新	11643		15577	18200	24101		
114	新中		5735	9357	11772	17205	
115	新中鶯歌林橋觀楊新	鶯歌	17364	28331	35643	52093	
		林橋	12813	21714	27649	41001	
		板橋	15980	26577	33641	49537	
		光復	36426	60583	76687	112921	
		楊梅	52818	87844	111195	163735	
		新埔	3184	4079	4676	6019	
		林	7544	9664	11078	14258	
			3050	4678	5763	8205	



表 6.4 縣道路段交通量預測表 (續 1)

單位：P.C.U./日

路 線	起 點	迄 點	現 況 交 通 量		預 測 交 通 量		
			76年	82年	86年	95年	
116	塔寮坑	浮州橋	-	22570	26640	35330	
118	浮港北埔	浮港北埔	-	24660	27540	36540	
	浮港北埔	浮港北埔	3140	3636	3966	4710	
	浮港北埔	浮港北埔	7692	11044	13279	18307	
	浮港北埔	浮港北埔	3259	3774	4117	4889	
120	浮港北埔	浮港北埔	1454	1683	1836	2181	
	浮港北埔	浮港北埔	2724	4160	5118	7272	
	浮港北埔	浮港北埔	2709	4138	5091	7234	
	浮港北埔	浮港北埔	941	1438	1768	2513	
122	浮港北埔	浮港北埔	9720	11776	13147	16232	
	浮港北埔	浮港北埔	48586	58866	65719	81138	
	浮港北埔	浮港北埔	17388	21286	23885	29733	
	浮港北埔	浮港北埔	3835	4695	5268	6558	
123	浮港北埔	浮港北埔	7286	8919	10009	12459	
124	浮港北埔	浮港北埔	9826	16342	20686	30460	
	浮港北埔	浮港北埔	11951	20631	26418	39438	
126	浮港北埔	浮港北埔	4667	5551	6140	7467	
	浮港北埔	浮港北埔	3926	4670	5166	6281	
	浮港北埔	浮港北埔	3884	4620	5111	6215	
127	浮港北埔	浮港北埔	6613	11416	14618	21823	
	浮港北埔	浮港北埔	13357	20064	24535	34595	
128	浮港北埔	浮港北埔	1566	1862	2060	2505	
	浮港北埔	浮港北埔	1919	2458	2817	3626	
129	浮港北埔	浮港北埔	12761	20820	26193	38282	
	浮港北埔	浮港北埔	18747	30587	38480	56240	
	浮港北埔	浮港北埔	6647	8788	10216	13428	
132	浮港北埔	浮港北埔	4393	5989	7052	9445	
	浮港北埔	浮港北埔	15153	20655	24324	32578	
133	浮港北埔	浮港北埔	22767	27800	31155	38704	
134	浮港北埔	浮港北埔	17667	29941	38124	56534	
	浮港北埔	浮港北埔	28974	48189	60998	89820	
135	浮港北埔	浮港北埔	8859	12776	15387	21262	
	浮港北埔	浮港北埔	4176	6022	7253	10022	
136	浮港北埔	浮港北埔	-	18560	22140	30200	
	浮港北埔	浮港北埔	17562	29763	37897	56199	
	浮港北埔	浮港北埔	2950	3834	4424	5752	
141	浮港北埔	浮港北埔	15859	25375	31719	45992	
	浮港北埔	浮港北埔	8048	12877	16096	23339	
142	浮港北埔	浮港北埔	17621	22296	25412	32423	
143	浮港北埔	浮港北埔	4701	7818	9897	14573	
	浮港北埔	浮港北埔	3800	6320	8000	11779	
143甲	浮港北埔	浮港北埔	2092	3479	4404	6486	



表 6.4 縣道路段交通量預測表(續 2)

單位：P.C.U/日

路 線	起 點	迄 點	現 況 交 通 量		預 測 交 通 量		
			76年	82年	86年	95年	
145	小埔心	西螺	4611	7669	9707	14294	
	西螺	土庫	9155	15804	20237	30211	
	土庫	新街	5197	8972	11489	17151	
148	王功	新溪湖	8616	9187	9568	10425	
	溪湖	員林	20396	21749	22651	24679	
	員林	東山	9478	15464	19454	28433	
	東山	溪頭	15948	26020	32735	47844	
	溪頭	草屯	-	26020	32735	47844	
149	竹山	梅山	9402	13499	16231	22377	
150	芳苑	北斗	4323	7054	8874	12970	
	北斗	田中	5614	8786	10234	13493	
	田中	南投	6374	8990	10734	14659	
151	延平	溪頭	2913	4183	5029	6933	
152	大二	水間	2237	3721	4710	6936	
	二名	西螺	3685	6129	7758	11424	
154	橋西	林內	3269	4198	4817	6211	
	埔心	崙背	2718	3860	4621	6333	
154甲	埔心	崙背	3679	4724	5421	6990	
155	五條	北港	4314	5281	5926	7376	
156	寮寮	平口	4440	5758	6636	8613	
157	斗南	溪口	1223	2034	2574	3791	
	新港	朴子	2610	4342	5496	8092	
	新港	過溝	1081	1832	2333	3459	
	海墘	忠尾	3971	6730	8569	12708	
158	海墘	忠尾	3353	4348	5012	6504	
	虎尾	北勢	5637	7506	8752	11556	
	小斗	南光	13438	20354	24966	35341	
158乙	小斗	永光	7502	11363	13938	19730	
	北港	義滿	2896	4387	5381	7618	
159	嘉鹿	番路	11225	17960	22450	32552	
	嘉鹿	無底	6955	8888	10176	13075	
	三溪	梅山	3138	4010	4592	5900	
160	嘉鹿	草竹	2679	3788	4527	6189	
162	義竹	好美	4200	5354	6123	7854	
163	嘉鹿	義竹	5175	8444	10623	15526	
	義竹	北港	2742	4474	5629	8227	
	金湖	民雄	3903	6367	8011	11708	
164	新港	白河	8489	12001	14342	19610	
	後庄	官田	2600	3314	3790	4861	
165	白河	官田	6107	10156	12856	18930	
			3209	5540	7094	10591	



表 6.4 縣道路段交通量預測表(續 3)

單位：P.C.U/日

路 線	起 點	迄 點	現況交通量		預測交通量		
			76年	82年	86年	95年	
167	朴子 鹿東 朴布 鹽安 白關 鹽下 麻西 蘆下 六七 佳麻 新關 阿岡 岡十 小台 澄台 仁關 楠鳳 鳳山 鳥松 大湖 阿旗 竹	草潭	952	1147	1277	1570	
		後朴	976	1561	1951	2829	
168		子上	5087	6131	6827	8393	
		水義	5970	9552	11940	17313	
172		新營	4402	6098	7228	9772	
		白河	16981	25453	31102	43810	
		關子	4351	7236	9160	13488	
		汧水	3382	3969	4360	5241	
		營豆	862	1012	1112	1336	
173			港塊	906	1479	1860	2719
	寮 嶺 溝	西九	4952	8080	10165	14856	
		下營	6576	10729	13498	19728	
174		甲西	3841	6267	7885	11524	
		佳里	5326	5965	6391	7350	
		隆田	3900	4368	4680	5382	
176		新化	1641	1983	2211	2724	
		廟寮	4866	5557	6012	7055	
177		阿山	10888	12435	13407	15788	
		蓮山	7989	11546	13918	19254	
		岡十	5835	9704	12284	18088	
	佃 營 湖	赤坎	8952	13956	17292	24798	
		新德	6364	10363	13029	19028	
178		化山	3983	6625	8386	12348	
		新營	3581	5842	7349	10742	
		仁德	5104	8489	10746	15824	
180		廟埔	22788	32143	38379	52412	
181		鳳山	8946	12421	14738	19950	
182		中埔	26219	35575	41812	55846	
		五甲	31645	41938	48800	64240	
		小港	3178	5085	6356	9216	
183	甲 乙	高雄	26889	46419	59440	88735	
		蓮山	18823	32494	41608	62115	
183甲		旗山	9280	13441	16216	22458	
183乙		竹子	10540	15266	18417	25507	
		六龜	5099	8319	10466	15296	
184		門 龜	10282	17101	21647	31875	
			5427	7911	9568	13295	
			2085	3040	3677	5109	



表 6.4 縣道路段交通量預測表 (續 4)

單位：P.C.U/日

路 線	起 點	迄 點	現 況 交 通 量		預 測 交 通 量	
			76年	82年	86年	95年
184甲	旗尾	小山	3109	4532	5481	7616
185	老濃	高樹	2172	3544	4459	6517
	鹽埔	鹽埔	2642	4311	5424	7927
186	維新	屏東	7489	12219	15373	22468
	岡山	岡山	10996	17593	21992	31888
	鳳山	鳳山	5232	8701	11014	16218
	仁武	仁武	5232	7115	8370	11195
187	三大地	大內	12762	17558	20755	27949
	心中	潮州	2912	3179	3357	3757
	潮安	潮州	3959	4321	4563	5107
188	樟梓	鳳山	6139	6701	7076	7920
	鳳山	鳳山	-	7620	8860	11660
	嶺口	嶺口	5697	9712	10050	14070
	里港	里港	-	10900	14830	19070
189	萬丹	高潮	5114	8183	10228	14831
	打鐵	打鐵	11457	15546	18271	24404
	城邊	城邊	4425	6004	7056	9425
190	二龍	頭城	1922	2608	3065	4094
192	潭大	潭大	8025	9672	10770	13241
194	內圓	大公	3602	4341	4834	5942
195	瑞穗	樂合	3276	3949	4397	5406
199	壽卡	石門	664	842	961	1229
	石門	石門	407	491	548	675
199甲	舊丹	旭海	3730	4507	5026	6192
200	恆春	滿州	962	1163	1296	1597
	滿州	滿州	1157	1398	1559	1920
	新庄	九棚	506	612	682	841
200甲		港口	943	1139	1270	1565



## 第七章 結論與建議

應社會經濟發展及未來公路網結構變動。本研究應用計量方法與技術，將旅次需求特性量化，並採傳統程序性總體需求模式進行「台灣地區公路運輸需求分析與預測」，以瞭解未來各級公路運輸成長趨勢。綜合歸納提出結論、建議如下：

### 7.1 結論

1. 車輛旅次數預測採用逐步迴歸分析方法，建立旅次產生吸引預測模式。民國95年各種車輛旅次合計為144萬輛次/日，為民國76年現況66萬輛次/日之2.2倍，平均成長率為4.2%；其中小客車旅次約佔總車旅次數之62.8%，小貨車佔20.4%，大客車佔2.3%，大貨車佔14.5%。
2. 預估民國95年小客車旅次為90萬輛次/日，為民國76年38萬輛次/日之2.38倍；小貨車旅次20萬輛次/日，為76年15萬輛次/日之1.93倍；大客車旅次3.2萬輛次/日，為76年2.1萬輛次/日之1.54倍；大貨車旅次為20萬輛次/日，為76年11萬輛次/日之1.98倍。
3. 本規劃預測車輛旅次分佈方法採用弗拉塔法，即利用目標年車種別求各交通分區車輛旅次產生數與吸引數，配合現況各車種交通分區車輛旅次分佈，求得目標年各車種之車輛旅次起迄表，預測結果顯示，未來車輛起迄分佈，以在台北都會區、台中都會區、高雄都會區及台南都會區內之旅次佔最大比例，其次為各都會區間旅次。
4. 路網交通量指派係採用容量限制逐次增量分派法，以現況交通量作為比較基礎，調整18條屏柵線之調查交通量與預測交通量誤差在5%以內，再進行目標年路網方案交通量分派，求得未來路段交通量。估計每日總行車里程，民國82年為56,341千車公里，民國86年為66,848千車公里，民國95年為89,364千車公里。總行車小時民國82年為969千車小時，民國86年為1,123千車小時，民國95年為1,470千車小時。民國95年公路網每日總行車公里數為民國76年41,830千車公里之2.14倍，而總行車小時為民國76年738千車小時之1.99倍。
5. 基年之交通狀況以西部走廊北部地區之交通問題最為嚴重，道路容量普遍不足，有必要加速推動已定案之北部第二高速公路興建計畫。



；其次西部走廊各都會區地區性旅次之交通壓力也愈來愈明顯，如何有效疏解，防患未然亦刻不容緩；其餘地區目前交通之供需情形則勘稱尚可，一般都能維持在一相當的服務水準。未來台灣地區公路將以通過台北－桃園交通量最鉅，每日平均流量高達46萬小客車當量，其次為台中－彰化間之交通量，每日24萬小客車當量，其他西部走廊各屏柵線流量亦超過每日10萬輛之需求水準；至於東西部溝通之屏柵線流量，則以台北－宜蘭間每日2.5萬小客車當量聯絡較為頻繁。再者，就各屏柵線成長情形觀之，台中－彰化間流量年平均成長率4.23%最高，成長最緩者屬中部－花蓮間之交通，年平均成長率為2.56%，另花東縱谷南段，成長情形亦較為緩慢，僅達2.57%。

## 7.2 建議

公路建設規劃屬整體性、綜合性、持續性之工作，欲臻完善之境界宜賴各方面配合及廣泛收集資料。運量分析與預測為各項規劃方案之基礎，而公路車輛起迄資料是規劃過程中不可或缺之資料，然以調查方式收集該項資料除曠日費時亦需投注龐大的經費及人力，建議爾後配合公路局每年全省公路網路段交通量調查計畫，定期（三年或五年）收集車輛旅次資料，利用大型電腦建立資料庫，並發展應用路段交通量調整旅次起迄表之工作程序，以各年路段交通量調查結果更新台灣地區公路車輛旅次起迄資料。



## 附 錄 一

### 現 況 公 路 車 輛 旅 次 起 迄 表

單 位 ： 輛 / 日

PURPOSE      1    :   小 客 車

PURPOSE      2    :   小 貨 車

PURPOSE      3    :   大 客 車

PURPOSE      4    :   大 貨 車



\$REPORT MATRIX  
\$FILE INPUT FILE = RTABIN, USER ID = \$8700-V5.DAT\$  
\$OPTIONS  
PRINT TRIP ENDS  
PRINT TABLE  
\$PARAMETERS  
SELECTED PURPOSES = 1-4  
SELECTED ZONES = 1-144  
\$END TP FUNCTION



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PAGE NO. 1  
DATE 05JUN89  
TIME 14:16:00

INPUT FILE NAME ----- RTABIN

FILE CHARACTERISTICS

USER FILE IDENTIFICATION - 8700-V5.DAT

FILE HEADER ----- MATRIX MULTIPLICATION

GENERATING FUNCTION ----- MATRIX MANIPULATE

TYPE OF FILE ----- VOLUME

GENERATION FILE NAME ----- TMAN2

GENERATION DATE ----- 02MAY09

GENERATION TIME ----- 14:08:59

FILE SIZE ----- MAXIMUM ZONE = 144

MAXIMUM TABLE NO. = 5

CURRENT DATE ----- 05JUN89

CURRENT TIME ----- 14:16:00



[illegible]

MATRIX REPORTS

MATRIX MULTIPLICATION

USER FILE IDENTIFICATION - 870D-V5.DAT

FILE HEADER -----  
MATRIX MULTIPLICATION

GENERATING FUNCTION ----- MATRIX MANIPULATE

TYPE OF FILE -----	VOLUME
--------------------	--------

```

GENERATION FILE NAME ----- 'WMAN2

```

GENERATION DATE ----- 02MAYB9

GENERATION TIME ----- 14:08:59

FILE SIZE	MAXIMUM ZONE
144	

MAXIMUM TABLE NO. = 5

```

CURRENT DATE ----- 05JUN89
CURRENT TIME ----- 14:16:01

```



ORIGIN ZONE	1	PURPOSE 1	405 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	6	24	83	52	42	11	0	10
11	0	0	0	8	0	0	50	0	0	25	20
21	2	9	0	6	30	0	7	0	0	0	30
31	0	7	5	7	0	1	0	0	0	2	40
41	0	3	5	10	3	0	0	0	0	0	50
51	2	0	0	0	0	0	0	0	0	0	60
131	0	0	0	0	0	4	0	0	0	0	140
141	0	0	1	0							

ORIGIN ZONE	1	PURPOSE 2		224 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1	0	0	0	6	0	60	17	5	10	0	10	
11	0	0	0	0	0	7	0	0	4	6	20	
21	0	0	0	15	30	13	0	0	0	4	30	
31	0	2	0	0	0	0	0	1	0	4	40	
41	0	6	13	14	3	2	0	0	0	0	50	
121	2	0	0	0	0	0	0	0	0	0	130	

ORIGIN ZONE	1	PURPOSE 3		16 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1	0	0	0	0	0	5	0	0	0	0	10	
131	0	0	0	0	0	0	11	0	0	0	140	

ORIGIN ZONE	1	PURPOSE 4		207 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1	0	0	0	10	15	63	0	5	0	0	10	
11	0	0	0	0	0	0	10	0	4	10	20	
21	0	0	0	0	0	0	14	0	0	0	30	
31	0	6	0	2	2	3	0	4	0	1	40	
41	0	3	7	17	4	3	0	0	1	0	50	
51	0	0	0	0	1	0	0	0	4	2	60	
61	2	0	0	0	0	0	0	0	0	0	70	
81	0	2	0	0	0	0	0	0	0	0	90	
91	0	0	0	0	0	2	0	0	0	0	100	
111	0	0	0	0	0	3	1	1	0	0	120	
121	1	0	0	0	0	0	0	0	0	1	130	
141	0	0	3	0								

ORIGIN ZONE	2	PURPOSE 1	17592 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	140	711	6121	2566	4358	179	0	10
11	0	43	9	113	0	6	1119	8	113	269	20
21	43	203	126	51	11	0	146	8	0	0	30
31	1	236	66	152	3	0	9	14	14	68	40
41	19	12	43	47	39	9	12	2	0	16	50
51	0	0	2	0	3	8	1	3	5	0	60
61	0	41	9	14	0	3	0	0	13	0	70
71	4	0	0	0	5	5	0	9	2	0	80
81	3	2	0	1	1	0	6	0	0	0	90
91	2	1	12	0	0	1	0	0	0	2	100
101	2	0	0	3	11	0	0	0	0	0	110
111	2	0	0	0	0	10	33	4	3	0	120
121	6	0	0	0	0	0	2	0	0	1	130
131	14	0	1	4	9	1	10	0	0	6	140
141	3	0	6	0							

ORIGIN ZONE	2	PURPOSE 2	6164 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	5	0	233	297	1972	476	1254	58	0	10
11	0	57	0	11	0	23	691	17	67	252	20
21	21	81	47	30	27	0	47	0	11	0	30
31	0	110	19	69	7	10	0	15	0	17	40
41	4	23	21	29	18	3	13	0	0	4	50
51	1	0	0	0	11	2	3	1	2	0	60
61	0	10	3	4	0	3	0	3	7	0	70
71	0	0	0	0	0	7	4	0	0	0	80
81	1	0	0	4	0	0	0	0	0	0	90
91	0	0	11	0	0	0	0	0	0	0	100
101	0	0	0	0	1	0	0	0	0	0	110
111	2	0	0	0	0	0	9	0	0	1	120
131	5	0	0	0	0	2	8	0	0	0	140

ORIGIN ZONE	2	PURPOSE 3		612 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1	0	0	0	24	3	70	37	78	0	0	10	
21	0	0	0	0	25	0	0	0	0	0	30	
31	0	29	16	57	17	12	13	9	12	22	40	
41	0	0	0	0	0	0	15	0	0	0	50	
51	0	15	0	0	0	14	0	0	15	5	60	
61	0	10	0	4	0	0	0	0	14	4	70	
71	0	0	0	0	0	6	0	18	0	0	80	



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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
91	0	0	6	0	0	0	0	0	2	0	100
111	0	0	0	0	0	0	13	7	23	0	120
121	0	0	0	0	0	0	0	4	0	0	130

ORIGIN ZONE	2	PURPOSE	4	7168 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1	0	13	0	677	145	1867	150	588	24	0	10	
11	6	45	19	58	14	0	498	14	184	91	20	
21	100	21	50	30	59	141	134	0	4	0	30	
31	2	259	86	197	140	24	13	83	0	134	40	
41	32	6	15	62	61	25	34	2	4	42	50	
51	8	19	1	2	40	112	3	5	48	8	60	
61	0	71	22	28	10	9	4	3	56	10	70	
71	29	0	1	2	20	16	9	0	0	0	80	
81	13	1	9	6	0	0	2	2	0	0	90	
91	3	0	8	0	3	7	0	0	2	2	100	
101	0	2	2	8	18	0	0	0	0	4	110	
111	6	0	0	0	0	41	103	137	98	2	120	
121	8	10	0	0	0	2	2	0	0	0	130	
131	12	0	2	1	0	5	16	0	0	0	140	
141	0	0	3	0								

ORIGIN ZONE	3	PURPOSE	1	300 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1	0	0	0	0	12	75	18	48	16	0	10	
11	0	0	0	0	0	0	25	0	5	11	20	
21	3	0	6	0	6	0	9	0	0	0	30	
31	2	14	5	6	0	0	1	2	0	4	40	
41	0	0	3	1	0	0	0	0	0	2	50	
51	0	2	0	0	0	0	0	2	0	0	70	
61	0	0	0	0	0	0	0	0	0	2	80	
71	0	0	0	0	0	0	0	0	0	0	90	
81	0	0	0	0	2	0	0	0	0	0	100	
111	0	0	0	0	0	0	2	0	0	0	120	
131	0	0	0	0	0	8	0	0	0	0	140	

ORIGIN ZONE	3	PURPOSE		103 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1	0	0	0	0	6	13	4	14	0	0	10	
11	0	0	0	0	6	0	8	0	0	13	20	
21	0	0	6	0	0	0	0	0	0	0	30	
31	0	15	0	0	0	0	0	0	0	1	40	

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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
41	0	0	6	3	0	0	0	0	0	0	50
51	0	0	0	0	3	0	0	0	1	0	60
101	0	0	0	1	1	0	0	0	0	0	110
131	0	0	0	0	0	0	1	0	0	0	140
141	0	0	2	0	0	0	0	0	0	0	0

ORIGIN ZONE	3	PURPOSE	3	10 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1	0	0	0	0	1	4	0	3	0	0	10	

ORIGIN ZONE	3	PURPOSE	4	43 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1	0	0	0	3	2	8	0	4	0	0	10	
11	0	0	0	0	0	0	2	0	0	0	20	
21	0	0	2	0	0	0	3	0	0	0	30	
31	0	0	0	0	3	0	0	0	0	0	40	
41	0	0	1	6	2	0	0	0	0	0	50	
51	0	1	0	0	0	0	0	0	1	0	60	
71	1	0	0	0	0	0	0	0	0	0	80	
111	0	0	0	0	0	2	2	0	0	0	120	

ORIGIN ZONE	4	PURPOSE	1	2844 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1	6	140	0	840	30	924	196	130	23	0	10	
11	0	3	0	0	0	3	26	0	16	18	20	
21	6	9	21	0	0	0	17	0	3	0	30	
31	0	52	20	33	0	6	5	0	0	5	40	
41	0	0	7	12	4	0	0	0	0	3	50	
51	0	0	0	0	4	12	4	0	0	4	60	
61	0	7	2	4	0	0	0	0	4	0	70	
71	2	0	0	2	0	0	3	0	0	0	80	
81	2	0	0	0	0	0	0	0	0	0	90	
91	0	0	3	0	0	4	0	0	0	0	100	
101	0	0	0	0	13	0	0	0	0	0	110	
111	0	0	0	0	0	1	2	0	0	0	120	
121	0	0	0	0	2	0	0	0	0	0	130	
131	0	0	0	0	0	0	6	0	0	0	140	
141	3	0	0	0								

ORIGIN ZONE	4	PURPOSE	2	1749 TOTAL ORIG/PROD								TO ZONE
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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	6	213	0	628	25	437	64	49	3	0	10
11	0	2	0	2	3	3	37	0	9	18	20
21	6	5	26	10	5	3	7	0	5	0	30
31	3	58	21	7	11	0	3	6	0	8	40
41	0	0	9	8	3	0	2	0	0	6	50
51	0	0	0	0	1	0	0	0	0	0	60
61	0	0	1	2	0	0	0	0	2	0	70
91	0	0	4	0	0	0	0	0	0	0	100
101	2	0	0	2	0	0	0	0	0	0	110
ORIGIN ZONE	4	PURPOSE 3	191 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	24	0	49	0	6	32	16	0	0	10
21	4	16	0	0	0	0	0	0	0	0	30
31	0	4	5	9	0	0	0	0	0	4	40
61	0	4	5	0	0	0	0	0	0	5	70
111	0	0	0	0	0	0	0	8	0	8	120
ORIGIN ZONE	4	PURPOSE 4	1704 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	10	681	3	317	4	186	12	11	0	0	10
11	0	3	0	2	0	0	18	9	3	17	20
21	14	2	7	2	0	1	10	0	0	0	30
31	0	34	20	54	12	4	0	31	1	26	40
41	4	0	5	4	3	4	2	0	6	18	50
51	0	4	0	0	4	0	0	0	9	0	60
61	0	13	2	4	2	0	5	0	13	2	70
71	2	0	0	0	0	0	0	0	0	0	80
81	0	0	2	0	0	0	0	0	0	0	90
91	0	0	6	0	0	2	0	0	1	0	100
101	0	0	0	0	1	0	0	0	4	0	110
111	0	0	0	4	0	6	32	20	14	0	120
121	0	0	0	0	0	0	1	0	0	0	130
131	1	0	0	0	0	0	0	0	0	6	140
ORIGIN ZONE	5	PURPOSE 1	3412 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	24	711	13	30	13	8	3	3	0	0	10
11	0	0	0	0	0	0	0	0	16	3	20
21	45	0	0	0	52	29	11	1	0	0	30
31	7	696	347	300	62	21	36	56	24	128	40

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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
41	0	1	29	31	18	15	46	0	0	35	50
51	16	0	0	0	6	38	10	3	10	7	60
61	8	76	19	20	0	4	3	0	44	5	70
71	21	3	0	4	20	21	17	13	0	4	80
81	7	2	15	4	6	0	1	2	0	7	90
91	0	2	21	0	1	6	0	0	2	1	100
101	0	2	0	9	12	0	0	0	0	0	110
111	4	0	0	0	0	6	27	3	4	7	120
121	4	0	0	0	0	0	0	0	1	0	130
131	11	0	15	4	4	10	11	0	2	6	140
141	8	0	7	0	0	0	0	0	0	0	150
ORIGIN ZONE	5	PURPOSE 2	1112 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	297	6	25	7	4	3	0	0	0	10
11	0	0	0	0	0	0	3	0	12	0	20
21	32	0	0	5	19	6	3	0	0	0	30
31	4	228	78	83	26	18	13	26	0	46	40
41	17	6	10	14	6	1	11	0	3	12	50
51	0	0	0	0	6	9	0	3	5	2	60
61	0	8	4	2	0	0	0	1	6	1	70
71	5	2	0	0	0	1	5	2	0	0	80
81	2	0	0	0	5	0	0	0	0	4	90
91	0	0	3	0	2	0	0	0	0	0	100
101	0	0	0	1	5	0	0	0	0	0	110
111	3	0	0	0	0	0	0	2	1	3	120
121	0	0	0	0	0	0	0	5	0	0	130
131	5	0	0	0	0	0	0	0	4	5	140
ORIGIN ZONE	5	PURPOSE 3	139 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	5	2	0	0	0	0	0	0	0	10
11	0	14	8	0	12	13	0	0	0	3	20
21	24	0	0	0	0	0	0	0	0	0	30
31	0	0	0	0	0	0	0	0	0	0	40
41	0	0	0	0	0	0	0	0	14	0	50
51	0	0	0	0	0	0	0	0	0	4	60
61	0	0	0	0	0	0	0	0	0	0	70
71	0	0	6	0	0	0	0	0	0	0	80
81	0	0	0	0	3	0	0	0	0	0	90
91	0	0	0	0	0	0	0	0	0	0	100
101	0	0	0	0	0	0	0	0	0	0	110
111	0	0	0	0	0	0	5	0	0	0	120
121	0	0	0	0	0	7	3	0	0	0	130
131	0	0	0	0	0	0	0	0	0	0	140
ORIGIN ZONE	5	PURPOSE 4	679 TOTAL ORIG/PROD								



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TRANPLAN SYSTEM  
VERSION 2.0

MATRIX MULTIPLICATION

PAGE NO. 7  
DATE 05JUN89  
TIME 14:16:01

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	14	141	4	2	2	2	0	0	3	0	10
11	0	0	0	0	0	0	0	0	0	0	20
21	10	0	0	0	15	39	0	0	0	0	30
31	0	73	24	51	34	0	0	17	6	19	40
41	11	0	10	7	6	11	4	0	0	8	50
51	0	0	0	0	4	9	3	0	7	1	60
61	0	6	2	2	2	0	0	2	12	1	70
71	10	0	3	0	0	0	6	0	0	1	80
81	0	3	1	1	0	0	0	0	0	0	90
91	0	0	4	0	2	1	0	0	0	2	100
101	0	0	4	1	8	0	0	0	0	0	110
111	2	0	0	0	4	6	16	0	0	0	120
121	8	0	2	0	0	0	2	0	0	0	130
131	1	0	4	6	0	0	0	0	0	0	140
141											

ORIGIN ZONE 6 PURPOSE 1 15904 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	83	6120	73	925	6	78	24	13	3	0	10
11	0	0	0	2	0	0	3	0	18	9	20
21	75	0	6	4	136	74	52	3	3	0	30
31	28	1873	1448	1289	305	115	59	116	27	511	40
41	82	23	107	180	57	28	71	0	18	72	50
51	11	13	14	3	35	110	8	5	32	20	60
61	11	287	63	79	8	10	0	10	137	20	70
71	58	3	7	7	34	66	39	19	12	7	80
81	15	15	26	32	0	2	17	10	9	7	90
91	6	0	68	0	3	13	0	4	4	1	100
101	0	7	11	12	52	0	0	0	0	0	110
111	5	0	0	0	0	18	103	9	10	0	120
121	3	0	0	0	0	2	7	0	4	0	130
131	65	0	0	16	0	19	41	2	2	6	140
141	5	2	12	0	0						

ORIGIN ZONE 6 PURPOSE 2 4155 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	60	1974	13	437	3	62	10	1	0	0	10
11	0	0	0	0	2	0	0	0	13	2	20
21	39	0	1	4	19	49	14	2	2	0	30
31	7	408	210	244	44	9	4	26	14	78	40
41	10	9	30	48	14	15	12	0	5	7	50
51	0	0	3	0	12	21	5	2	5	2	60
61	0	18	5	5	0	0	4	4	22	1	70
71	4	0	0	0	0	4	6	0	1	1	80

DKS IBM PC  
TRANPLAN SYSTEM  
VERSION 2.0

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PAGE NO. 8  
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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
81	3	4	1	3	0	0	4	1	1	0	90
91	5	0	4	0	4	3	0	1	0	0	100
101	0	0	0	2	2	0	0	0	0	0	110
111	0	0	0	0	0	0	11	0	0	0	120
121	0	0	0	0	0	0	4	0	0	0	130
131	4	0	2	0	0	8	14	0	3	0	140
141	0	1	4	0	0						

ORIGIN ZONE 6 PURPOSE 3 811 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	5	69	4	6	0	13	0	0	0	0	10
11	0	0	0	0	8	14	0	0	0	0	20
21	0	0	0	0	0	0	13	11	23	34	30
31	0	90	111	60	22	0	0	0	0	0	40
41	0	0	0	3	2	8	0	0	0	0	50
51	0	0	0	0	0	4	10	0	0	0	60
61	0	29	8	11	0	0	0	0	19	3	70
71	0	0	0	0	34	24	38	4	0	0	80
81	0	0	0	5	0	0	5	0	0	0	90
91	0	3	0	0	5	0	0	0	0	0	100
101	5	0	0	0	0	3	36	4	0	4	110
111	0	0	0	23	0	24	8	0	0	0	120
121											130
131											140

ORIGIN ZONE 6 PURPOSE 4 4095 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	63	1888	8	186	2	38	2	0	0	0	10
11	0	0	0	2	0	0	5	0	10	1	20
21	32	0	0	3	49	40	3	0	1	0	30
31	0	318	172	193	105	36	16	61	6	69	40
41	35	4	16	26	13	9	40	0	0	39	50
51	0	9	0	7	4	40	0	5	21	4	60
61	0	30	10	12	4	0	0	6	18	14	70
71	14	0	0	0	7	11	39	18	5	0	80
81	5	1	10	3	0	0	1	0	0	0	90
91	0	3	26	0	1	3	1	6	6	5	100
101	2	2	2	4	26	2	0	0	0	0	110
111	13	0	0	0	0	13	44	13	9	2	120
121	0	2	0	0	0	0	4	0	0	0	130
131	24	0	2	6	0	-4	20	0	0	8	140
141	0	0	4	2	0						

ORIGIN ZONE 7 PURPOSE 1 13137 TOTAL ORIG/PROD



TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	53	2564	18	193	2	25	53	10	0	0	10
11	0	0	0	6	0	0	0	4	36	12	20
21	139	2	0	0	302	164	96	0	2	0	30
31	56	2575	1392	1269	193	132	115	158	56	410	40
41	74	18	160	206	34	58	81	0	8	148	50
51	3	0	5	13	39	105	43	17	52	22	60
61	4	326	73	88	0	6	7	15	132	22	70
71	62	0	2	6	76	123	61	32	9	8	80
81	9	7	36	15	4	1	30	5	6	8	90
91	5	3	97	4	9	33	3	0	24	3	100
101	0	0	8	15	106	0	0	0	0	6	110
111	2	0	0	0	0	29	153	15	11	9	120
121	10	0	0	9	0	0	7	0	0	4	130
131	69	0	4	10	0	19	24	1	0	7	140
141	2	0	19	9	0	0	0	0	0	0	0

ORIGIN ZONE 7 PURPOSE 2 2342 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	19	474	6	63	2	11	28	3	0	0	10
11	0	0	0	8	0	0	6	0	4	5	20
21	41	0	0	0	117	28	17	3	0	0	30
31	15	438	135	274	44	34	16	42	5	85	40
41	19	2	36	42	5	20	11	0	0	9	50
51	3	2	0	4	8	15	10	5	4	4	60
61	0	16	7	4	0	2	0	1	22	5	70
71	12	2	5	0	2	8	12	0	0	3	80
81	3	0	5	4	0	0	0	2	1	1	90
91	0	3	8	0	2	2	1	0	3	0	100
101	0	0	1	3	10	0	0	0	0	0	110
111	0	0	0	0	0	2	28	0	0	0	120
121	0	0	0	0	0	0	5	0	0	0	130
131	6	0	0	0	0	8	9	2	1	0	140
141	0	0	9	0	0	0	0	0	0	0	0

ORIGIN ZONE 7 PURPOSE 3 886 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	40	0	32	0	0	5	0	0	0	10
11	0	0	0	0	0	0	0	0	0	0	20
21	3	0	0	0	43	0	0	0	0	0	30
31	0	82	77	38	17	31	21	5	16	30	40
41	27	3	0	2	0	0	18	0	0	0	50
51	0	0	0	0	0	12	27	0	0	0	60
61	0	53	8	20	0	0	0	0	10	0	70
71	0	0	0	0	3	0	19	6	0	0	80

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
81	24	0	0	0	8	0	0	0	0	0	90
91	0	0	9	0	0	0	0	0	0	0	100
101	0	0	0	0	57	0	0	0	0	0	110
111	0	0	0	0	0	12	68	3	0	0	120
131	20	0	20	0	0	0	13	0	0	0	140
141	0	0	4	0	0	0	0	0	0	0	0

ORIGIN ZONE 7 PURPOSE 4 1154 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	148	0	13	0	2	17	3	0	0	10
11	0	0	0	0	0	0	0	0	13	0	20
21	39	0	0	4	25	38	4	0	0	0	30
31	4	114	44	16	22	30	2	58	2	26	40
41	10	3	10	25	9	3	12	0	0	8	50
51	3	0	0	5	10	16	5	0	7	2	60
61	0	19	7	9	0	1	3	2	30	0	70
71	9	3	0	2	32	8	30	0	2	4	80
81	9	4	7	4	0	0	2	0	2	2	90
91	4	0	24	0	4	9	4	4	0	1	100
101	1	0	0	2	26	0	0	0	0	0	110
111	3	0	0	0	0	6	61	13	7	4	120
121	6	0	0	0	0	0	0	0	0	0	130
131	13	0	2	0	0	0	13	0	0	0	140
141	3	0	1	0	0	0	0	0	0	0	0

ORIGIN ZONE 8 PURPOSE 1 20684 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	45	4354	50	130	3	11	11	29	0	0	10
11	0	0	0	4	0	0	0	0	19	3	20
21	121	0	5	3	205	87	39	0	0	3	30
31	16	3758	3138	2747	424	99	113	203	47	1118	40
41	110	15	64	92	30	60	180	15	35	222	50
51	19	57	9	5	31	160	17	24	79	97	60
61	0	611	136	165	5	22	11	6	244	26	70
71	108	15	0	3	2	22	47	11	10	3	80
81	54	20	24	55	4	2	20	5	6	3	90
91	8	2	134	5	5	53	4	3	19	5	100
101	2	9	13	41	131	0	0	0	0	0	110
111	24	0	0	2	0	38	242	19	12	5	120
121	12	0	2	0	0	0	3	11	0	4	130
131	33	0	3	9	0	23	23	0	0	6	140
141	3	0	14	0	0	0	0	0	0	0	0



ORIGIN ZONE	8	PURPOSE	2	4307 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1	6	1294	14	30	0	1	3	6	2	0	10	
11	0	0	0	0	0	0	2	0	7	0	20	
21	21	0	0	2	63	35	12	0	0	0	30	
31	7	762	570	355	161	33	18	36	9	185	40	
41	23	6	18	16	5	18	44	6	0	27	50	
51	0	2	0	0	6	30	0	4	7	15	60	
61	0	52	14	15	0	1	5	0	16	8	70	
71	7	2	0	0	4	0	0	0	0	2	80	
81	2	1	8	0	0	0	0	5	0	3	90	
91	3	0	19	1	0	3	0	0	1	0	100	
101	1	0	3	4	19	0	0	0	0	0	110	
111	6	0	0	0	0	9	25	3	2	1	120	
131	11	0	4	0	0	0	4	0	0	0	140	
141	0	0	2	0								

ORIGIN ZONE	8	PURPOSE	3	1740 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1	0	78	3	17	0	0	0	0	0	0	10	
31	0	254	699	82	112	0	17	55	22	38	40	
41	0	0	3	6	2	0	4	0	0	20	50	
51	0	0	2	0	0	12	5	0	3	0	60	
61	0	38	9	18	0	0	0	0	9	0	70	
71	11	0	0	0	0	13	6	0	0	0	80	
81	14	0	5	22	0	0	0	0	0	0	90	
91	0	0	13	6	0	3	0	0	0	0	100	
101	0	0	13	3	12	0	0	0	0	0	110	
111	0	0	0	0	0	8	20	7	0	0	120	
121	13	0	0	0	0	0	4	0	0	0	130	
131	3	0	0	28	0	4	32	0	0	0	140	

ORIGIN ZONE	8	PURPOSE	4	2187 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1	6	586	3	9	0	0	3	6	0	0	10	
11	0	0	0	0	0	0	0	0	5	0	20	
21	9	0	0	0	12	41	0	0	0	0	30	
31	2	233	172	188	123	22	6	43	4	95	40	
41	22	2	4	11	6	35	21	0	0	18	50	
51	0	16	0	0	13	30	0	1	11	8	60	
61	0	32	13	13	0	5	1	3	29	7	70	
71	15	5	0	2	0	4	10	2	4	6	80	
81	2	5	8	13	0	0	4	6	3	0	90	

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
91	1	1	17	0	0	6	1	6	5	3	100
101	5	4	6	14	22	0	0	2	0	0	110
111	11	0	0	0	0	19	54	13	10	0	120
121	3	0	0	0	0	0	0	0	0	1	130
131	5	0	2	0	0	2	4	0	0	0	140
141	0	2	4	0	0						

ORIGIN ZONE	9	PURPOSE	1	1116 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1	11	183	15	24	0	3	0	0	5	2	10	
11	0	0	0	0	0	0	0	0	4	0	20	
21	17	0	0	0	39	9	43	1	0	0	30	
31	12	174	42	110	15	20	22	10	5	32	40	
41	12	4	40	25	13	6	0	0	0	11	50	
51	0	4	0	0	2	13	11	2	0	2	60	
61	0	26	7	6	0	0	0	8	7	3	70	
71	0	0	0	0	8	7	8	6	2	0	80	
81	0	3	4	0	0	0	0	0	0	0	90	
91	1	0	15	0	0	0	0	0	0	0	100	
101	2	0	0	3	10	0	0	0	0	0	110	
111	0	0	0	0	0	3	8	0	0	0	120	
131	15	0	1	0	0	0	7	0	0	0	140	
141	4	1	3	5								

ORIGIN ZONE	9	PURPOSE	2	267 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1	9	61	0	3	0	0	0	1	0	0	10	
21	6	0	0	0	8	8	17	1	0	0	30	
31	7	41	6	46	0	4	3	5	0	7	40	
41	0	2	7	5	0	1	0	0	0	5	50	
51	0	0	0	0	0	1	0	0	0	0	60	
61	0	3	1	1	0	0	0	0	0	0	70	
71	3	1	0	0	0	0	0	0	0	0	80	
81	0	0	1	0	0	0	0	0	0	0	90	
111	0	0	0	0	0	0	2	0	0	0	120	
121	0	0	0	0	0	0	0	0	0	1	130	

ORIGIN ZONE	9	PURPOSE 3		77 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
31	0	0	0	0	61	0	0	0	0	0	40	
41	0	0	2	0	0	0	0	0	0	0	50	



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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
131	0	0	0	0	0	0	6	0	0	0	140
ORIGIN ZONE 9	PURPOSE 4	195 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	29	0	0	1	0	0	0	2	0	10
11	0	0	0	0	0	0	0	0	1	0	20
21	10	0	0	0	0	1	6	0	0	0	30
31	4	3	2	12	9	12	7	4	2	2	40
41	6	2	3	7	7	0	0	0	0	0	50
51	0	0	0	0	0	0	0	0	1	0	60
61	0	0	0	2	0	0	0	0	2	0	70
71	0	0	2	0	4	2	0	0	0	2	80
81	0	3	0	0	0	0	0	0	0	0	90
91	0	0	3	0	0	2	0	0	0	0	100
101	0	0	0	0	1	0	0	0	0	0	110
111	3	0	0	0	0	6	0	0	0	4	120
121	0	0	0	0	0	0	0	0	0	2	130
131	6	0	0	0	0	0	10	0	0	0	140
ORIGIN ZONE 10	PURPOSE 1	24 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	0	0	0	2	0	10
11	4	0	0	0	0	0	0	0	0	1	20
31	0	0	0	4	0	6	0	3	0	0	40
71	4	0	0	0	0	0	0	0	0	0	50
ORIGIN ZONE 10	PURPOSE 2	0 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
31	0	0	0	0	0	5	0	0	0	0	40
81	0	0	0	2	0	0	1	0	0	0	90
ORIGIN ZONE 10	PURPOSE 3	0 TOTAL ORIG/PROD									
ORIGIN ZONE 10	PURPOSE 4	4 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
31	0	0	0	0	0	0	0	0	0	4	40

MATRIX MULTIPLICATION

ORIGIN ZONE 11	PURPOSE 1	10 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	0	0	0	0	4	10
21	0	0	0	0	4	0	0	0	0	0	30
11	0	0	0	0	0	0	0	0	0	1	40
61	0	0	0	1	0	0	0	0	0	0	70
ORIGIN ZONE 11	PURPOSE 2	6 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
11	0	3	0	0	0	0	2	0	0	0	20
41	0	0	0	0	0	1	0	0	0	0	50
ORIGIN ZONE 11	PURPOSE 3	6 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
131	0	0	0	0	0	0	6	0	0	0	140
ORIGIN ZONE 11	PURPOSE 4	9 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	6	0	0	0	0	0	0	0	0	10
61	0	0	0	0	0	2	0	0	0	0	70
91	0	0	0	0	0	1	0	0	0	0	100
ORIGIN ZONE 12	PURPOSE 1	234 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	43	0	3	0	0	0	0	0	0	10
11	0	0	0	1	0	0	3	0	0	0	20
21	0	0	0	0	9	2	4	0	0	0	30
31	0	33	32	47	4	0	0	7	3	1	40
41	0	4	3	4	2	0	0	0	0	3	50
51	0	0	0	0	1	0	1	0	0	0	60
61	4	7	2	0	0	0	0	0	1	0	70
81	0	0	2	0	0	0	0	4	0	0	90
111	0	0	0	0	0	0	2	2	0	0	120
ORIGIN ZONE 12	PURPOSE 2	100 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	50	0	1	0	0	0	0	0	0	10



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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
11	3	0	0	0	0	0	0	0	5	0	20
21	5	0	0	0	0	0	0	0	0	0	30
31	0	41	0	24	11	0	0	3	0	1	40
41	4	0	2	2	2	0	0	0	0	3	50
51	0	0	0	0	1	1	0	0	4	0	60
61	0	2	0	0	2	1	0	0	0	0	70
71	1	0	0	0	0	0	0	0	0	0	80
131	0	0	0	0	0	0	2	0	0	0	140
ORIGIN ZONE 12	PURPOSE 3	3 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
131	0	0	0	0	0	0	3	0	0	0	140
ORIGIN ZONE 12	PURPOSE 4	167 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	47	0	2	0	0	0	0	0	0	10
21	10	0	0	0	8	6	0	0	0	0	30
31	0	24	8	11	8	0	0	5	0	2	40
41	4	0	0	0	2	0	6	0	0	0	50
51	0	0	0	0	2	1	0	0	1	0	60
61	0	2	2	0	0	0	0	0	0	0	70
71	0	0	0	0	0	0	1	0	0	0	80
81	0	0	3	1	0	0	0	0	0	0	90
91	0	0	1	0	0	0	0	1	0	0	100
111	0	0	0	0	0	0	2	1	0	0	120
131	0	0	0	0	0	0	6	0	0	0	140
ORIGIN ZONE 13	PURPOSE 1	61 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	9	0	0	0	0	0	0	0	0	10
21	0	0	2	0	0	0	0	0	0	0	30
31	0	20	11	7	4	0	0	0	0	0	40
41	0	0	2	0	0	0	0	0	0	0	50
51	0	0	0	0	0	2	0	0	0	0	60
91	0	0	2	0	0	0	0	0	0	0	100
111	0	0	0	0	0	2	0	0	0	0	120
ORIGIN ZONE 13	PURPOSE 2	18 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE

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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
11	0	0	0	0	0	0	0	0	3	0	20
21	1	0	0	0	0	0	0	0	0	0	30
31	0	6	3	1	1	0	0	0	0	0	40
71	0	0	0	0	0	0	3	0	0	0	80
ORIGIN ZONE 13	PURPOSE 3	0 TOTAL ORIG/PROD									
ORIGIN ZONE 13	PURPOSE 4	41 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	20	0	0	0	0	0	0	0	0	10
21	5	0	0	0	3	0	0	0	0	0	30
31	0	7	2	4	0	0	0	0	0	0	40
51	0	0	0	0	0	2	0	0	0	0	50
ORIGIN ZONE 14	PURPOSE 1	528 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	9	115	0	0	0	3	6	4	0	0	10
11	0	1	0	0	0	0	0	1	3	20	20
21	8	0	0	8	5	2	0	0	0	0	30
31	0	28	26	13	12	3	0	34	12	15	40
41	14	0	5	2	6	0	1	0	0	15	50
51	0	0	15	0	10	5	5	0	4	5	60
61	0	27	7	8	4	0	0	0	9	2	70
71	9	8	0	0	3	0	0	0	0	0	80
81	0	0	0	7	1	0	2	3	0	4	90
91	0	2	3	0	0	6	0	0	0	0	100
101	0	0	0	2	3	0	0	0	0	0	110
111	0	0	0	0	0	0	6	0	0	0	120
131	1	0	0	0	0	0	0	0	0	0	140
ORIGIN ZONE 14	PURPOSE 2	168 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	11	0	1	0	0	9	0	0	0	10
11	0	0	0	0	0	0	0	4	11	13	20
21	11	0	3	3	15	0	0	0	0	0	30
31	0	10	32	0	5	0	0	4	0	5	40
41	2	0	0	4	0	0	5	0	0	2	50
51	0	0	0	0	0	0	0	3	0	0	60
61	0	5	0	2	0	0	0	0	0	0	70
71	0	0	0	0	3	0	0	0	0	1	80



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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
91	0	0	1	0	0	0	0	0	0	0	100
101	0	0	2	0	1	0	0	0	0	0	110
ORIGIN ZONE 14	PURPOSE 3	68 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
31	0	3	3	43	0	0	0	0	0	0	40
51	0	0	0	0	0	0	5	0	0	0	60
91	0	9	0	0	0	0	0	0	0	0	100
111	0	0	0	0	0	0	3	0	0	0	120
ORIGIN ZONE 14	PURPOSE 4	330 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	60	0	3	0	1	0	0	0	0	10
11	0	0	0	1	0	0	0	0	11	0	20
21	25	0	0	0	0	5	2	0	0	0	30
31	0	9	44	4	4	1	0	25	0	7	40
41	29	0	0	0	0	0	3	0	0	0	50
51	0	0	0	0	0	13	0	0	3	3	60
61	0	3	1	3	0	0	0	0	4	0	70
71	2	0	0	2	2	0	0	0	0	0	80
91	0	0	3	0	0	0	0	0	0	0	100
101	0	0	0	0	1	0	0	0	1	0	110
111	0	0	0	0	0	3	4	8	6	0	120
121	0	0	0	6	0	0	0	0	0	0	130
ORIGIN ZONE 13	PURPOSE 1	115 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
11	0	0	0	0	0	0	0	0	8	0	20
21	3	0	0	0	2	17	0	0	0	0	30
31	0	54	0	10	2	0	0	0	0	12	40
91	0	0	0	0	0	1	0	0	0	0	100
101	0	0	0	0	1	0	0	0	0	0	110
111	0	0	0	0	0	0	2	0	0	0	120
121	0	0	0	0	0	8	2	0	0	0	130
131	0	0	0	0	0	0	1	0	0	0	140
ORIGIN ZONE 15	PURPOSE 2	89 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO
1	0	0	6	2	0	3	0	0	0	0	

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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
21	12	0	0	0	3	4	0	0	0	0	30
31	0	34	4	3	0	0	0	2	0	1	40
41	0	3	0	0	0	0	0	0	0	0	50
51	0	0	0	0	0	0	0	1	0	0	60
61	0	3	0	0	8	0	0	0	0	0	70
71	0	0	0	0	0	0	0	0	0	0	80
81	0	0	1	0	0	0	0	0	4	0	90
101	0	0	0	0	3	0	0	0	0	0	110
ORIGIN ZONE 15	PURPOSE 3	35 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
21	1	0	0	0	0	0	0	0	0	0	30
31	0	14	0	8	0	7	0	0	0	0	40
111	0	0	0	0	0	0	5	0	0	0	120
ORIGIN ZONE 15	PURPOSE 4	95 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	14	0	0	0	0	0	0	0	0	10
21	9	0	0	4	4	6	0	0	0	0	30
31	0	6	7	1	10	0	0	0	0	4	40
41	0	0	2	0	0	0	0	0	0	6	50
51	0	0	0	0	0	7	0	0	1	0	60
61	0	0	0	0	0	0	2	0	0	0	70
91	0	0	0	0	0	2	0	0	0	0	100
101	0	0	0	0	1	0	0	0	0	0	110
111	0	0	0	0	0	0	5	2	2	0	120
ORIGIN ZONE 16	PURPOSE 1	148 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	8	0	3	0	0	0	0	0	0	10
11	0	0	0	0	0	5	0	0	0	0	20
21	1	0	2	0	9	2	0	0	0	0	30
31	0	44	3	12	0	0	0	4	0	11	40
41	0	0	0	1	0	0	0	0	0	0	50
61	0	0	0	0	0	4	0	0	1	0	70
71	0	0	0	0	0	3	0	0	0	4	80
81	0	0	1	2	0	0	2	0	0	0	90
101	0	0	0	0	7	0	0	0	0	0	110
111	0	0	0	0	0	0	4	0	0	0	120
121	0	0	0	0	0	0	0	3	0	0	130
131	10	0	0	0	0	0	0	0	0	0	140



ORIGIN ZONE	16	PURPOSE	2	138 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1	11	25	0	2	0	0	0	0	0	0	10	
11	0	0	0	0	0	0	0	3	3	0	20	
21	4	0	0	0	0	0	0	0	0	0	30	
31	0	32	11	6	0	0	0	0	0	0	40	
41	0	0	2	6	0	0	0	0	0	0	50	
71	2	0	0	0	0	0	0	0	0	0	60	
131	0	0	0	0	0	0	3	0	0	0	140	
ORIGIN ZONE	16	PURPOSE	3	13 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
51	0	0	0	0	0	0	5	0	0	0	60	
61	0	0	3	0	0	0	0	0	0	0	90	
91	0	0	5	0	0	0	0	0	0	0	100	
ORIGIN ZONE	16	PURPOSE	4	28 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
11	0	0	0	0	0	0	0	0	0	3	20	
21	1	0	0	0	0	7	0	0	0	0	30	
31	0	0	0	11	0	0	0	0	0	0	40	
81	0	0	5	0	0	0	0	0	0	0	90	
131	1	0	0	0	0	0	0	0	0	0	140	
ORIGIN ZONE	17	PURPOSE	1	6356 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1	51	1120	23	28	0	3	0	0	0	0	10	
11	0	4	0	0	0	0	17	0	38	1	20	
21	68	0	0	2	51	52	5	0	0	0	30	
31	2	1341	610	1031	131	56	5	63	7	186	40	
41	31	5	12	27	6	11	46	0	9	48	50	
51	0	26	4	0	17	62	8	10	31	18	60	
61	0	192	44	51	4	8	10	17	106	15	70	
71	53	20	2	13	6	24	12	6	0	16	80	
81	16	22	20	53	10	1	22	7	0	6	90	
91	2	4	64	0	1	20	0	0	6	0	100	
101	4	0	5	9	27	0	2	0	0	1	110	
111	7	0	0	0	0	13	71	9	8	0	120	
121	11	0	0	0	3	0	0	2	0	0	130	
131	29	0	4	2	0	7	0	0	0	3	140	
141	0	1	7	0								

ORIGIN ZONE	17	PURPOSE	2	1030 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1	0	690	8	37	3	0	9	2	0	0	10	
11	2	0	0	0	0	0	18	0	35	1	20	
21	67	0	0	0	43	92	0	0	0	0	30	
31	2	716	232	467	122	37	0	44	15	52	40	
41	9	2	30	19	4	6	17	0	0	14	50	
51	0	1	0	0	3	21	0	2	8	6	60	
61	0	18	5	5	1	9	2	0	19	0	70	
71	18	3	0	2	6	2	5	0	6	3	80	
81	9	0	4	3	3	1	1	2	1	1	90	
91	0	0	8	0	0	6	4	0	0	0	100	
101	0	0	0	2	8	0	1	0	0	0	110	
111	0	0	0	0	0	4	16	3	2	0	120	
121	2	0	0	0	0	0	2	0	0	2	130	
131	6	0	0	0	0	1	6	0	0	0	140	
141	3	0	1	0	0	0	0	0	0	0		
ORIGIN ZONE	17	PURPOSE	3	574 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
11	0	0	0	0	0	0	0	0	1	0	20	
31	0	86	16	60	0	100	0	9	0	30	40	
51	0	0	0	0	0	0	0	0	18	5	60	
61	0	10	5	0	0	0	0	42	4	0	70	
71	0	0	0	0	0	0	99	25	0	4	80	
81	0	0	16	0	0	0	0	0	0	0	90	
91	0	8	12	0	0	0	0	0	0	0	100	
111	0	0	0	0	0	0	8	0	0	0	120	
131	0	0	0	0	0	0	16	0	0	0	140	
ORIGIN ZONE	17	PURPOSE	4	2017 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1	10	500	4	18	0	6	0	0	0	0	10	
11	0	0	0	0	0	0	10	0	6	0	20	
21	44	0	0	3	19	28	0	0	0	0	30	
31	7	243	53	138	101	76	0	41	4	65	40	
41	11	0	10	22	6	15	30	0	0	29	50	
51	2	10	4	0	0	27	4	1	12	4	60	
61	0	44	11	17	0	0	8	4	23	8	70	
71	26	0	0	9	1	17	5	0	0	8	80	
81	7	6	11	10	2	0	10	9	3	2	90	
91	0	2	20	0	0	12	0	0	2	0	100	
101	1	2	3	19	41	0	3	0	0	0	110	



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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
111	5	0	0	0	0	18	43	3	2	0	120
121	8	0	0	0	0	0	0	2	0	0	130
131	9	0	0	5	0	0	8	0	6	0	140
141	0	0	4	0	0	0	0	0	0	0	

ORIGIN ZONE	18	PURPOSE	1	433 TOTAL ORIG/PROD							
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	8	0	0	0	0	4	0	0	0	10
11	0	0	0	1	0	0	0	0	5	0	20
21	40	0	0	2	22	2	2	0	0	0	30
31	0	224	0	17	0	8	3	2	0	0	40
41	0	0	1	3	0	0	0	0	0	17	50
51	0	0	0	0	0	15	0	0	0	0	60
61	0	2	2	0	0	0	0	0	14	3	70
71	5	0	0	0	0	0	0	0	0	0	80
81	0	0	7	0	0	0	1	1	0	0	90
91	0	0	2	0	0	2	0	0	0	0	100
101	0	0	0	0	1	0	0	0	0	0	110
111	0	0	0	0	0	0	4	0	0	0	120
141	0	0	3	0	0	0	0	0	0	0	

ORIGIN ZONE	18	PURPOSE	2	245 TOTAL ORIG/PROD							
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	15	0	0	0	0	0	0	0	0	10
11	0	0	0	5	0	3	0	7	4	0	20
21	18	0	0	0	15	7	0	0	0	0	30
31	0	102	4	26	3	1	0	9	0	6	40
41	5	0	1	0	0	0	0	0	0	2	50
61	0	4	0	1	0	0	0	0	0	0	70
101	0	0	0	0	2	0	0	0	0	0	110
111	0	0	0	0	0	0	4	0	0	0	120
131	0	0	0	0	0	0	1	0	0	0	140

ORIGIN ZONE	18	PURPOSE	3	20 TOTAL ORIG/PROD							
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
21	1	0	0	0	0	0	0	0	0	0	30
61	0	8	6	0	0	0	0	0	0	0	70
91	0	0	5	0	0	0	0	0	0	0	100

ORIGIN ZONE	18	PURPOSE	4	102 TOTAL ORIG/PROD							
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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	14	0	9	0	0	0	0	0	0	10
11	0	0	0	0	0	0	0	0	0	0	20
21	36	0	0	2	19	23	0	0	0	0	30
31	0	92	0	7	4	11	0	4	6	0	40
41	2	4	0	0	1	2	3	0	0	2	50
51	0	0	0	0	1	3	0	0	0	0	60
61	0	0	0	0	0	0	0	0	10	0	70
71	2	0	0	0	0	0	0	0	0	0	80
91	0	0	2	0	0	0	0	0	0	0	100
111	0	0	0	0	0	2	4	9	6	14	120
131	0	0	0	0	0	0	2	0	0	0	140

ORIGIN ZONE	19	PURPOSE	1	1766 TOTAL ORIG/PROD							
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	115	4	15	16	18	36	20	3	0	10
11	0	0	0	3	0	0	38	6	203	34	20
21	161	9	4	1	109	61	0	0	0	0	30
31	8	1766	111	168	54	45	63	33	7	64	40
41	17	3	9	25	2	5	6	0	3	0	50
51	3	20	1	0	15	18	6	6	2	0	60
61	0	28	7	9	0	4	0	2	9	7	70
71	14	0	3	0	5	0	5	9	4	2	80
81	5	6	5	6	6	0	3	2	5	3	90
91	3	4	22	0	0	3	0	0	0	0	100
101	0	0	0	0	11	0	7	0	0	0	110
111	0	0	0	1	0	2	14	0	0	0	120
121	4	0	0	0	0	0	0	0	0	0	130
131	5	0	5	0	0	2	0	0	1	0	140
141	0	0	5	0	0	0	0	0	0	0	

ORIGIN ZONE	19	PURPOSE	2	2646 TOTAL ORIG/PROD							
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	6	71	0	10	12	13	4	7	0	0	10
11	0	4	3	10	0	3	34	4	264	18	20
21	191	0	5	5	40	54	6	0	0	0	30
31	0	1135	87	276	39	44	17	25	19	40	40
41	10	0	3	9	0	16	7	0	0	0	50
51	0	5	0	9	5	12	1	4	0	0	60
61	2	13	4	5	3	0	0	0	11	0	70
71	11	0	0	2	1	0	0	0	0	0	80
81	0	7	5	3	0	0	4	0	0	0	90
91	0	1	5	0	3	2	0	0	0	0	100
101	0	0	0	1	6	0	0	0	0	0	110



MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
111	0	0	0	0	0	6	3	0	0	0	120
121	2	0	0	0	0	0	0	0	0	0	130
131	2	0	0	1	0	0	0	0	0	0	140
ORIGIN ZONE 19	PURPOSE 3	315 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
11	0	0	0	0	0	0	1	0	7	0	20
21	2	0	0	0	25	0	0	0	0	0	30
31	0	155	0	56	0	0	0	0	0	0	40
41	48	0	0	0	0	0	0	0	0	0	50
51	0	0	0	0	0	0	0	0	4	0	60
71	0	0	0	0	0	0	0	10	0	0	80
131	4	0	0	0	0	3	0	0	0	0	140
ORIGIN ZONE 19	PURPOSE 4	1512 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	6	103	0	3	9	10	13	5	0	0	10
11	0	0	0	11	0	0	6	0	134	10	20
21	81	0	15	5	65	42	3	0	1	0	30
31	0	359	51	86	43	38	28	16	0	15	40
41	2	2	6	5	0	21	17	0	0	0	50
51	1	5	0	0	2	18	4	2	4	0	60
61	2	20	7	9	4	3	0	4	10	0	70
71	9	0	0	0	1	2	1	7	0	0	80
81	2	8	4	5	0	0	11	0	0	0	90
91	2	0	6	0	4	0	6	0	0	0	100
101	0	0	3	2	37	0	6	0	0	0	110
111	10	0	0	0	0	2	21	7	6	0	120
121	0	0	6	0	0	1	4	0	0	0	130
131	10	0	5	0	0	2	2	0	0	0	140
ORIGIN ZONE 20	PURPOSE 1	5127 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	24	269	13	18	2	8	12	1	0	2	10
11	0	0	0	20	0	0	2	0	33	38	20
21	182	0	0	5	304	237	10	0	0	0	30
31	17	1304	199	390	59	217	76	73	48	112	40
41	22	3	16	37	5	16	16	0	12	41	50
51	0	0	0	0	28	19	15	9	18	0	60
61	0	73	17	19	9	19	3	8	35	12	70
71	15	16	1	3	11	24	10	9	1	16	80

MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
81	13	2	31	11	17	7	11	9	0	1	90
91	0	0	45	2	4	3	0	0	2	0	100
101	0	0	0	1	13	0	0	0	0	0	110
111	5	0	0	0	0	3	22	0	0	0	120
121	8	5	0	0	0	0	11	0	0	0	130
131	34	0	8	0	0	5	8	0	3	0	140
141	0	1	5	0	0	0	0	0	0	0	140
ORIGIN ZONE 20	PURPOSE 2	2726 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	6	250	10	18	0	2	6	0	0	0	10
11	0	0	0	12	0	0	1	0	19	24	20
21	162	0	0	5	480	141	4	0	0	2	30
31	2	723	67	245	43	91	27	13	5	32	40
41	7	8	15	17	3	15	7	0	11	28	50
51	6	12	0	0	11	14	3	6	3	0	60
61	0	17	3	4	0	2	1	6	31	0	70
71	5	0	0	0	0	5	0	3	2	3	80
81	0	1	0	0	0	0	0	1	8	0	90
91	0	3	4	0	0	4	3	0	0	0	100
101	0	1	0	2	21	0	0	0	0	0	110
111	0	0	0	0	0	5	12	3	2	0	120
121	4	0	0	0	0	0	1	0	0	0	130
131	6	0	0	0	0	0	0	0	0	2	140
141	4	0	1	0	0	0	0	0	0	0	140
ORIGIN ZONE 20	PURPOSE 3	450 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
21	5	0	0	0	62	21	0	0	0	0	30
31	0	90	0	29	0	0	0	0	0	0	40
41	0	0	0	0	0	0	17	0	0	0	50
51	0	0	0	0	0	52	132	0	5	0	60
61	0	5	0	0	0	0	0	8	0	0	70
71	0	0	0	0	0	0	5	0	0	0	80
91	0	13	0	0	0	0	0	0	0	0	100
111	0	0	0	0	0	0	0	3	0	0	120
131	0	0	0	0	0	7	4	0	0	0	140
ORIGIN ZONE 20	PURPOSE 4	1622 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	10	93	0	18	0	0	0	0	0	0	10



MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
11	0	0	0	14	0	3	0	0	9	16	20
21	221	0	0	2	110	132	3	0	0	0	30
31	0	274	37	114	18	19	40	52	4	38	40
41	2	0	3	10	4	8	27	0	0	23	50
51	1	9	4	0	2	21	3	9	13	1	60
61	1	8	4	2	3	1	0	3	18	2	70
71	20	0	0	4	0	1	1	0	0	0	80
81	3	1	7	4	0	0	5	0	0	0	90
91	0	0	17	0	1	13	0	0	0	0	100
101	0	0	0	11	32	0	0	0	0	0	110
111	4	0	0	0	0	17	22	2	1	7	120
121	9	0	0	0	0	0	0	0	0	0	130
131	15	0	0	0	0	0	2	0	0	5	140

ORIGIN ZONE 21 PURPOSE 1 4518 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	4	41	1	7	44	76	140	121	17	0	10
11	0	0	0	9	5	1	68	41	161	183	20
21	1546	14	14	50	267	287	9	0	0	0	30
31	6	815	85	136	11	35	46	17	19	31	40
41	14	2	12	7	0	0	18	0	11	0	50
51	0	0	0	0	0	0	0	6	3	0	60
61	0	7	3	0	0	0	4	3	21	0	70
71	11	0	4	0	0	7	0	0	0	0	80
81	6	0	11	3	3	0	3	0	0	0	90
91	0	0	7	2	2	0	0	0	0	6	100
101	0	0	0	0	2	0	0	0	0	0	110
111	1	0	0	0	0	0	14	0	0	0	120
121	0	0	0	0	0	0	4	0	0	0	130
131	0	0	3	0	0	0	1	0	0	0	140
141	0	0	4	0	0	0	0	0	0	0	140

ORIGIN ZONE 21 PURPOSE 2 2990 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	24	0	6	32	39	41	21	6	0	10
11	0	7	1	10	12	6	66	18	190	162	20
21	1018	12	33	40	181	184	21	0	1	0	30
31	0	473	52	158	18	11	5	15	0	21	40
41	0	1	5	4	2	4	5	0	0	15	50
51	5	6	4	0	0	5	0	1	2	0	60
61	0	3	1	1	0	0	4	4	4	0	70
71	3	0	0	3	0	1	0	0	0	0	80
81	0	0	2	0	0	0	0	0	0	1	90

MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
91	0	0	0	0	0	2	0	0	0	0	100
101	0	0	0	0	1	0	0	0	0	0	110
111	0	0	0	0	0	2	8	1	0	0	120
121	4	0	0	0	0	0	0	0	0	0	130

ORIGIN ZONE 21 PURPOSE 3 135 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	3	0	6	4	0	0	0	10
11	0	0	0	0	2	0	0	0	3	5	20
21	32	0	3	1	22	0	2	0	0	0	30
31	0	11	0	0	0	28	0	13	0	0	40

ORIGIN ZONE 21 PURPOSE 4 2036 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	99	0	14	11	32	40	9	11	0	10
11	0	9	4	25	11	1	44	36	82	221	20
21	488	11	27	24	68	109	16	0	0	0	30
31	0	202	20	89	8	45	0	5	2	11	40
41	2	0	6	3	2	6	16	0	0	8	50
51	0	0	0	0	2	2	0	0	5	7	60
61	0	20	7	0	7	0	2	22	12	4	70
71	8	2	0	0	0	4	3	0	0	15	80
81	2	2	0	0	0	0	10	4	0	0	90
91	0	0	0	0	0	10	0	0	0	0	100
101	0	0	4	0	6	0	0	0	0	0	110
111	0	0	0	0	0	4	26	0	0	0	120
121	0	0	0	0	0	0	6	0	0	0	130
131	5	0	0	0	0	0	1	0	0	0	140
141	0	0	1	0	0	0	0	0	0	0	140

ORIGIN ZONE 22 PURPOSE 1 1209 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	9	202	8	9	0	0	1	0	0	0	10
11	0	0	0	0	0	0	0	0	9	0	20
21	14	0	0	1	120	24	2	0	0	0	30
31	3	205	67	118	19	50	44	30	12	26	40
41	0	6	10	18	11	3	8	0	8	0	50
51	0	1	0	0	7	11	4	2	4	2	60
61	1	19	4	4	4	1	2	0	6	3	70
71	0	0	0	0	2	4	6	5	0	0	80
81	4	0	4	0	0	0	0	0	0	0	90



MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
91	0	0	11	0	0	5	0	0	2	0	100
101	0	0	0	2	7	0	0	0	0	0	110
111	3	0	0	0	0	4	17	0	0	0	120
131	11	0	0	0	0	0	0	0	0	0	140
141	0	2	0	0	0	0	0	0	0	0	
ORIGIN ZONE 22	PURPOSE 2	322 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	81	0	4	0	0	0	0	0	0	10
21	12	5	0	0	27	0	5	0	0	0	30
31	0	51	4	32	4	2	9	5	0	13	40
41	6	3	10	0	3	1	0	0	0	0	50
51	0	0	0	0	0	4	0	0	0	0	60
61	0	6	1	3	1	0	0	0	1	0	70
71	0	0	0	0	0	0	0	0	0	3	80
91	0	0	5	0	0	0	0	0	0	0	100
111	0	0	0	0	0	0	2	0	0	0	120
131	0	0	3	0	0	0	0	0	0	0	140
ORIGIN ZONE 22	PURPOSE 3	45 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	17	0	0	0	0	0	0	10
31	0	9	0	0	0	0	0	0	0	0	40
51	0	0	0	0	0	0	9	0	0	0	60
71	0	0	0	0	0	0	10	0	0	0	80
ORIGIN ZONE 22	PURPOSE 4	201 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	21	0	4	0	0	0	0	0	0	10
21	10	0	0	0	23	39	0	0	0	0	30
31	0	40	0	2	2	3	5	0	0	4	40
41	0	0	4	0	0	0	0	0	2	0	50
51	0	0	0	0	0	0	2	0	0	0	60
61	0	0	0	0	0	0	4	0	0	2	70
71	2	0	0	0	0	5	0	0	0	0	80
81	0	0	0	0	0	0	1	0	0	0	90
91	3	0	1	0	0	0	0	0	0	0	100
101	0	0	0	1	0	0	0	0	0	0	110
111	0	0	0	0	0	2	14	0	2	5	120
121	5	0	0	0	0	0	0	1	0	2	130
131	4	0	5	0	0	3	7	0	0	1	140
141	0	0	2	0	0	0	0	0	0	0	

MATRIX MULTIPLICATION

ORIGIN ZONE 23	PURPOSE 1	1377 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	128	6	19	0	6	0	5	0	0	10
11	0	0	1	0	0	2	0	0	2	0	20
21	14	0	3	0	171	45	9	0	0	0	30
31	4	312	20	103	15	122	51	36	7	12	40
41	19	7	15	20	3	0	10	0	0	11	50
51	7	0	0	0	6	19	11	0	0	0	60
61	0	5	2	2	0	4	0	1	9	0	70
71	11	2	0	6	0	0	0	4	0	5	80
81	0	2	2	1	3	0	7	0	0	0	90
91	2	1	4	0	0	2	0	0	0	0	100
101	0	0	1	2	6	0	0	0	0	0	110
111	0	0	0	0	0	2	14	0	2	5	120
121	5	0	0	0	0	0	0	1	0	2	130
131	4	0	5	0	0	3	7	0	0	1	140
141	3	1	2	0	0	0	0	0	0	0	
ORIGIN ZONE 23	PURPOSE 2	693 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	47	8	26	0	1	0	0	0	0	10
11	0	0	0	5	0	0	0	0	4	0	20
21	33	0	8	0	128	24	10	0	0	0	30
31	4	129	32	49	11	29	16	14	10	10	40
41	5	0	19	12	0	9	7	0	6	3	50
51	0	0	0	0	0	4	0	0	6	0	60
61	0	2	1	0	0	0	0	0	6	5	70
71	0	0	0	0	0	3	0	0	0	0	80
81	0	0	0	1	0	0	0	1	0	0	90
91	2	0	1	0	0	1	0	0	0	0	100
101	0	0	0	0	1	0	0	0	0	0	110
ORIGIN ZONE 23	PURPOSE 3	53 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
21	3	0	0	0	0	22	0	0	0	0	30
31	0	11	0	0	0	0	0	0	0	0	40
71	0	0	0	0	0	0	0	17	0	0	80
ORIGIN ZONE 23	PURPOSE 4	578 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	53	3	7	0	0	0	0	0	0	10



MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
11	0	0	0	0	0	0	0	0	14	0	20
21	28	0	0	0	71	102	0	0	0	0	30
31	0	90	6	32	10	50	0	17	0	2	40
41	9	0	14	15	2	0	3	0	0	2	50
51	0	0	0	0	1	12	0	0	9	0	60
61	0	0	0	0	0	0	0	0	0	4	70
71	0	0	0	0	0	3	0	0	0	0	80
91	0	0	1	0	0	0	0	0	0	0	100
101	0	0	0	0	1	0	0	0	0	0	110
111	1	0	0	0	0	3	9	0	0	2	120
131	0	0	0	0	0	0	2	0	0	0	140

ORIGIN ZONE 24 PURPOSE 1 1402 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	9	49	0	0	0	5	0	4	0	0	10
11	0	0	0	7	0	0	1	2	0	5	20
21	31	2	0	24	522	118	6	0	0	0	30
31	6	177	44	50	11	125	0	11	9	16	40
41	0	0	2	1	0	5	16	0	0	8	50
51	0	7	8	0	2	6	4	0	0	1	60
61	4	5	0	3	0	5	0	8	7	0	70
71	4	0	0	0	0	7	0	0	0	0	80
81	0	0	0	0	7	3	3	0	0	0	90
91	0	0	6	0	0	0	0	0	0	0	100
101	0	0	0	0	1	0	0	0	0	0	110
111	0	0	0	0	0	0	8	0	0	0	120
121	1	0	0	0	0	0	0	0	0	0	130
131	0	0	0	0	0	9	1	0	0	6	140

ORIGIN ZONE 24 PURPOSE 2 1170 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	15	53	0	11	5	4	0	1	0	0	10
11	0	0	0	3	0	0	0	0	6	3	20
21	41	0	0	22	411	67	1	0	0	0	30
31	0	160	53	108	15	104	0	19	2	17	40
41	1	0	4	4	0	1	3	0	0	6	50
51	3	0	0	0	1	6	0	0	0	0	60
61	0	0	1	0	0	0	0	0	0	0	70
71	4	0	0	0	0	1	0	0	0	0	80
91	2	0	0	0	0	0	0	0	0	0	100
111	3	0	0	0	0	0	1	0	0	0	120
131	3	2	0	0	0	0	0	0	0	0	140
141	0	0	3	0	0	0	0	0	0	0	

MATRIX MULTIPLICATION

ORIGIN ZONE 24 PURPOSE 3 81 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
21	1	0	0	0	22	18	0	0	0	0	30
31	0	26	0	0	0	0	0	0	0	0	40
61	0	6	0	0	0	0	0	0	0	0	70
71	3	0	0	0	0	0	0	0	0	0	80
101	0	0	0	0	0	0	0	5	0	0	110

ORIGIN ZONE 24 PURPOSE 4 825 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	31	0	0	0	4	2	0	0	0	10
11	0	0	0	0	4	0	2	2	5	1	20
21	24	0	0	19	232	87	0	0	0	0	30
31	0	62	15	51	8	72	13	18	0	12	40
41	10	0	0	4	0	4	21	0	0	13	50
51	0	0	0	0	2	6	0	0	1	2	60
61	0	15	4	7	8	9	1	0	18	0	70
71	6	0	0	8	0	0	0	0	0	0	80
91	0	0	4	0	0	8	0	0	0	0	100
101	0	4	0	2	1	0	0	0	0	0	110
111	0	0	0	0	0	2	3	3	3	0	120

ORIGIN ZONE 25 PURPOSE 1 3877 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	28	13	7	0	56	134	383	205	19	0	10
11	1	11	0	5	2	10	49	21	112	902	20
21	271	115	173	522	481	16	115	0	0	0	30
31	0	47	10	16	0	22	0	13	3	18	40
41	0	0	20	5	0	0	0	0	3	0	50
51	0	0	0	0	0	13	0	0	0	0	60
61	0	2	0	0	3	0	0	0	3	0	70
71	2	0	0	0	0	4	1	0	0	0	80
81	0	0	0	0	0	0	4	0	0	0	90
91	0	0	2	0	0	1	0	0	0	0	100
101	0	0	0	2	3	0	0	0	0	0	110
111	0	0	0	0	0	1	2	0	0	0	120
121	1	0	0	0	0	0	0	5	0	0	130

ORIGIN ZONE 25 PURPOSE 2 2295 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	30	28	0	5	18	40	117	62	8	0	10



MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
11	0	0	0	13	1	8	46	14	41	480	20
21	181	27	125	413	378	8	144	0	3	0	30
31	0	21	6	8	3	7	4	7	4	9	40
41	1	0	10	0	0	0	1	0	0	0	50
51	0	0	0	0	0	4	0	0	1	0	60
61	0	2	1	0	0	0	0	2	1	1	70
71	0	0	0	0	0	1	0	0	1	0	80
81	0	0	0	0	0	0	0	2	0	0	90
91	0	0	0	2	0	0	0	0	0	1	100
111	0	0	0	0	0	0	3	0	0	0	120
131	0	0	0	0	0	2	0	0	0	0	140

ORIGIN ZONE 25 PURPOSE 3 246 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	25	0	0	0	12	44	0	0	0	10
11	0	0	0	0	0	0	0	0	30	62	20
21	22	0	0	12	24	0	0	0	0	0	30
41	0	0	12	0	0	0	0	0	0	0	50
131	0	0	0	0	0	0	3	0	0	0	140

ORIGIN ZONE 25 PURPOSE 4 1087 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	63	0	0	11	49	25	13	4	0	10
11	0	11	2	9	4	0	19	19	66	117	20
21	66	23	71	229	128	6	38	0	0	0	30
31	0	0	4	5	0	15	1	9	0	14	40
41	0	0	0	4	4	0	0	0	0	0	50
61	0	3	1	0	0	0	0	3	2	6	70
81	0	0	1	0	0	0	0	0	0	2	90
91	0	0	2	0	0	0	0	0	0	0	100
101	0	0	0	4	0	0	0	0	0	0	110
111	0	0	0	0	0	2	5	0	0	0	120
121	0	0	0	0	0	0	0	5	0	0	130
131	0	2	0	0	0	0	0	0	0	0	140

ORIGIN ZONE 26 PURPOSE 1 1379 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	29	74	162	85	7	0	10
11	0	2	0	2	17	1	52	2	59	238	20
21	285	24	47	118	16	15	14	4	0	0	30
31	0	15	0	0	1	3	3	4	2	25	40

MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
41	17	3	5	5	5	0	0	0	2	0	50
51	0	0	0	0	0	4	3	0	0	0	60
61	0	8	6	0	0	0	0	0	0	4	70
71	3	0	0	0	0	0	0	0	0	0	80
81	0	0	0	3	0	0	0	0	0	0	90
91	0	0	0	0	0	2	0	0	0	0	100
121	0	0	0	0	0	0	1	0	0	0	130
141	0	0	2	0	0	0	0	0	0	0	140

ORIGIN ZONE 26 PURPOSE 2 802 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	11	0	0	4	5	48	29	36	7	0	10
11	0	0	0	0	4	0	54	5	55	138	20
21	187	1	29	66	8	21	32	0	0	0	30
31	0	1	0	4	0	0	3	16	2	13	40
41	13	0	1	0	2	0	0	0	0	0	50
51	0	0	0	0	0	1	0	0	0	0	60
121	1	0	0	0	0	0	0	0	0	0	130
131	2	0	0	0	0	0	3	0	0	0	140

ORIGIN ZONE 26 PURPOSE 3 77 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	13	0	0	0	0	10
11	0	0	0	0	0	0	0	0	0	18	20
21	0	0	22	21	0	0	0	0	0	0	30
111	0	0	0	0	0	0	3	0	0	0	120

ORIGIN ZONE 26 PURPOSE 4 1073 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	141	0	2	40	41	38	40	3	0	10
11	0	6	0	4	7	6	27	22	41	130	20
21	109	37	103	91	7	6	33	0	0	0	30
31	5	6	0	0	1	0	0	4	3	4	40
41	9	2	12	11	4	5	0	0	0	4	50
51	3	0	0	0	0	0	2	0	0	0	60
61	0	5	4	1	0	0	0	0	0	0	70
71	0	0	0	0	4	0	1	0	0	0	80
81	0	0	0	0	0	0	0	0	2	0	90
91	0	0	0	0	0	0	0	3	0	0	100
101	0	0	0	0	1	0	0	0	0	0	110
111	0	0	0	0	0	2	14	0	0	8	120



MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
121	0	0	0	0	0	0	0	4	0	0	130
131	2	0	0	0	0	0	13	0	0	0	140
ORIGIN ZONE 27	PURPOSE 1	1769 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	9	145	8	19	12	50	97	40	43	0	10
11	0	3	0	0	0	0	5	1	0	10	20
21	9	3	8	6	118	18	414	7	0	2	30
31	49	111	28	95	23	86	29	19	7	51	40
41	9	10	17	28	6	3	0	0	0	0	50
51	0	6	0	0	0	17	0	1	0	5	60
61	0	19	3	5	2	0	2	0	9	0	70
71	2	0	0	0	0	4	13	4	0	0	80
81	0	0	4	1	0	0	0	2	2	0	90
91	2	9	1	0	0	0	0	0	0	0	100
101	0	0	0	4	0	0	0	0	0	0	110
111	0	0	0	0	0	0	11	0	0	0	120
121	1	0	0	0	0	5	3	0	0	0	130
131	1	0	0	0	0	7	8	0	1	0	140
141	1	0	3	0	0						
ORIGIN ZONE 27	PURPOSE 2	814 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	51	0	6	4	14	17	13	16	0	10
11	0	0	0	0	0	0	0	0	6	5	20
21	21	4	11	1	142	36	233	0	0	0	30
31	21	58	35	24	0	20	4	3	0	13	40
41	0	2	3	15	4	0	0	0	0	0	50
51	0	0	0	0	0	7	3	0	0	0	60
61	0	4	1	3	0	0	0	0	1	0	70
71	1	0	0	0	0	0	0	0	0	0	80
81	0	1	0	0	0	0	0	0	0	0	90
91	0	0	0	0	0	3	0	0	0	0	100
121	1	0	0	0	0	0	0	0	0	0	130
131	0	0	0	0	0	1	1	0	0	0	140
141	0	0	3	0	0						
ORIGIN ZONE 27	PURPOSE 3	153 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
21	1	0	0	0	0	0	0	0	0	0	30
31	0	62	0	58	0	0	0	0	0	0	40

MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
71	0	0	0	0	0	0	16	0	0	0	80
81	0	0	3	0	0	0	0	0	0	0	90
91	0	0	0	0	0	5	0	0	0	0	100
111	0	0	0	0	0	0	0	0	5	0	120
131	0	0	0	0	0	0	3	0	0	0	140
ORIGIN ZONE 37	PURPOSE 4	554 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	13	138	2	10	7	3	3	0	6	0	10
11	0	0	0	2	0	0	0	0	3	4	20
21	16	0	0	0	38	33	19	0	0	0	30
31	0	43	16	11	3	25	0	15	1	22	40
41	3	0	8	10	11	1	5	0	0	16	50
51	0	24	0	0	0	7	0	0	0	0	60
61	2	2	0	2	0	0	0	0	3	0	70
71	0	0	0	8	0	0	0	0	0	0	80
81	0	0	0	1	0	0	0	0	0	0	90
91	0	0	3	0	2	0	0	0	0	0	100
101	0	0	0	0	3	0	0	0	0	0	110
111	0	0	0	0	0	4	0	0	0	4	120
131	2	0	0	0	0	0	0	0	0	0	140
ORIGIN ZONE 28	PURPOSE 1	40 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	9	0	0	1	1	0	0	1	0	10
21	0	0	0	0	0	3	8	0	0	0	30
31	2	7	0	0	0	0	0	0	0	0	40
41	0	0	0	0	0	0	0	0	0	3	50
61	0	0	0	0	0	0	0	0	1	0	70
81	2	0	0	0	0	0	0	0	0	0	90
131	0	1	0	0	0	0	1	0	0	0	140
ORIGIN ZONE 28	PURPOSE 2	15 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	2	4	0	0	0	10
31	0	0	0	0	0	0	0	0	0	5	40
51	3	0	0	0	0	0	0	0	0	0	60
131	1	0	0	0	0	0	0	0	0	0	140
ORIGIN ZONE 28	PURPOSE 3	43 TOTAL ORIG/PROD									



MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
61	0	19	6	4	0	0	0	0	0	0	78
71	0	0	0	0	0	0	0	9	0	0	88
111	0	0	0	0	0	0	0	3	0	0	120
ORIGIN ZONE 28	PURPOSE 4	17 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
41	7	0	2	0	0	0	0	0	0	0	50
101	0	0	0	0	2	0	0	0	0	0	110
111	0	0	0	0	0	0	0	2	0	0	120
131	2	0	0	0	0	0	2	0	0	0	140
ORIGIN ZONE 29	PURPOSE 1	15 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	6	0	3	1	0	0	0	10
71	0	0	0	0	5	0	0	0	0	0	80
ORIGIN ZONE 29	PURPOSE 2	27 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	11	0	5	0	2	0	0	0	0	18
21	1	0	0	0	5	0	0	0	0	0	30
31	0	0	0	0	0	0	0	0	3	0	40
ORIGIN ZONE 29	PURPOSE 3	0 TOTAL ORIG/PROD									
ORIGIN ZONE 29	PURPOSE 4	24 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	4	0	0	0	2	0	0	0	0	10
11	0	0	0	0	0	0	0	0	1	0	20
31	0	13	0	0	0	0	0	0	0	0	40
71	0	0	0	0	4	0	0	0	0	0	80
ORIGIN ZONE 30	PURPOSE 1	13 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	0	0	3	0	0	10
21	0	0	0	0	0	0	2	0	0	0	30
31	0	0	0	0	0	0	0	0	0	0	40

MATRIX MULTIPLICATION

ORIGIN ZONE 30	PURPOSE 2	9 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	6	0	0	0	0	0	0	0	0	0	10
11	0	0	0	0	0	0	0	0	0	2	20
41	0	0	0	1	0	0	0	0	0	0	50
ORIGIN ZONE 30	PURPOSE 3	0 TOTAL ORIG/PROD									
ORIGIN ZONE 30	PURPOSE 4	4 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
71	0	0	0	3	0	0	0	0	0	0	80
101	0	0	0	0	0	0	0	1	0	0	110
ORIGIN ZONE 31	PURPOSE 1	247 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	1	1	0	8	28	56	15	14	0	10
11	0	0	0	0	0	0	4	0	7	18	20
21	5	4	5	4	0	0	52	2	0	0	30
31	3	0	0	4	3	0	0	0	0	0	40
41	0	0	1	3	0	0	0	0	0	0	50
71	0	0	0	0	6	0	0	0	1	0	80
91	0	0	2	0	0	0	0	0	0	0	100
ORIGIN ZONE 31	PURPOSE 2	82 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	3	4	6	14	7	8	0	10
11	0	0	0	0	0	0	1	0	0	1	20
21	0	0	5	1	0	0	19	0	0	0	30
31	2	4	0	1	0	0	0	0	0	0	40
41	0	2	0	1	1	0	0	0	0	0	50
61	0	0	0	0	2	0	0	0	0	0	70
ORIGIN ZONE 31	PURPOSE 3	0 TOTAL ORIG/PROD									
ORIGIN ZONE 31	PURPOSE 4	36 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	2	0	0	0	0	5	2	2	0	10



MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
11	0	0	0	0	0	0	4	0	0	0	20
21	0	0	0	0	0	3	0	0	0	0	30
41	0	0	0	10	0	0	0	0	0	0	50
61	0	3	1	1	0	0	0	0	0	0	70
71	0	0	0	0	0	0	3	0	0	0	80
ORIGIN ZONE 32	PURPOSE 1	18303 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	9	234	15	50	698	1872	2576	3789	173	0	10
11	0	33	22	28	53	44	1338	226	1766	1305	20
21	819	204	322	177	47	14	111	7	0	0	30
31	0	263	35	11	21	61	52	320	66	548	40
41	113	1	38	22	10	15	26	0	5	28	50
51	2	15	13	0	11	56	11	23	21	11	60
61	0	134	29	36	0	4	13	0	49	5	70
71	28	5	0	0	9	26	0	2	5	3	80
81	2	4	4	19	0	0	5	2	4	0	90
91	5	0	44	0	0	13	0	0	1	0	100
101	0	2	2	9	26	0	1	0	0	0	110
111	2	0	0	0	0	14	23	6	7	0	120
121	2	0	0	6	0	0	2	0	0	0	130
131	10	0	3	0	0	5	18	0	0	5	140
141	0	0	9	0	0	0	0	0	0	0	150
ORIGIN ZONE 32	PURPOSE 2	6807 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	3	111	15	57	223	409	440	761	42	0	10
11	0	41	6	9	36	52	717	102	1133	723	20
21	474	53	129	160	21	1	57	0	0	0	30
31	4	143	44	20	17	20	32	148	33	253	40
41	94	2	20	5	0	4	14	2	1	12	50
51	0	6	0	0	0	20	1	1	9	0	60
61	1	15	3	4	5	4	0	2	9	0	70
71	12	1	0	0	2	6	0	5	0	1	80
81	3	0	1	3	1	0	0	0	0	1	90
91	4	1	5	0	0	3	0	0	0	1	100
101	0	0	0	2	6	0	1	0	0	0	110
111	1	0	0	0	0	1	7	2	1	4	120
121	0	0	0	0	0	0	0	0	1	0	130
ORIGIN ZONE 32	PURPOSE 3	1218 TOTAL ORIG/PROD									

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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	29	0	6	13	93	82	254	0	0	10
11	0	0	0	4	9	0	85	0	147	90	20
21	18	11	10	26	0	0	54	0	0	0	30
31	0	24	2	0	3	0	0	11	0	22	40
41	0	14	0	12	0	0	0	0	0	0	50
51	0	0	0	9	0	4	0	0	0	0	60
61	0	10	7	3	0	0	0	0	0	0	70
71	10	0	0	0	0	0	7	0	34	0	80
81	0	12	0	0	0	0	0	0	0	0	90
91	0	0	0	0	0	17	0	3	0	3	100
101	0	0	0	0	0	0	0	0	0	0	110
111	0	0	0	0	0	0	0	9	0	0	120
121	0	0	0	0	0	11	43	0	0	0	130
131	0	0	0	0	0	0	0	0	0	0	140
ORIGIN ZONE 32	PURPOSE 4	3458 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	7	259	0	36	72	316	113	233	4	0	10
11	0	26	7	8	6	0	243	93	360	272	20
21	200	40	92	61	7	5	42	0	12	0	30
31	0	57	15	0	13	3	10	139	6	160	40
41	28	0	4	30	8	30	19	10	4	7	50
51	6	8	0	0	10	12	6	0	9	3	60
61	0	14	6	4	4	1	9	5	28	7	70
71	30	3	0	0	0	7	2	6	2	0	80
81	5	0	6	15	4	0	0	0	0	3	90
91	3	1	18	0	0	5	4	0	6	4	100
101	0	2	3	6	21	1	0	0	0	0	110
111	1	0	0	0	1	10	26	13	9	3	120
121	0	0	0	0	0	0	1	0	0	1	130
131	11	0	0	7	0	2	4	0	0	0	140
141	0	4	4	0	0	0	0	0	0	0	150
ORIGIN ZONE 33	PURPOSE 1	8775 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	9	70	3	19	147	1446	1391	3140	40	0	10
11	0	28	13	25	0	7	626	0	117	197	20
21	85	66	19	44	11	0	27	0	0	0	30
31	0	35	206	9	2	6	5	117	0	216	40
41	40	2	2	2	3	6	1	0	5	37	50
51	0	8	7	6	6	43	6	0	7	6	60
61	0	69	18	19	2	0	0	3	21	0	70
71	2	0	4	2	0	5	0	0	0	0	80
81	0	0	4	4	0	0	5	0	0	0	90
91	0	0	24	0	1	6	0	0	0	0	100



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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
101	0	0	5	3	11	0	0	0	0	0	110
111	6	0	0	0	0	3	14	2	1	0	120
121	0	0	0	0	0	0	2	0	0	0	130
131	7	0	2	1	0	0	0	0	0	0	140
ORIGIN ZONE 33	PURPOSE 2	2219 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	19	0	24	76	210	139	566	6	0	10
11	0	11	4	31	4	11	234	4	86	69	20
21	52	5	32	56	7	0	36	0	0	0	30
31	0	42	172	10	7	2	8	31	13	120	40
41	52	0	3	0	3	2	21	0	0	5	50
51	0	1	0	0	1	4	0	3	0	0	60
61	1	10	3	4	0	1	0	0	0	0	70
71	2	0	0	0	0	0	1	0	0	0	80
81	0	1	0	1	1	0	1	0	0	0	90
91	1	0	5	0	0	0	0	0	1	0	100
101	0	0	0	0	1	0	0	0	0	0	110
111	0	0	0	0	0	0	2	0	0	0	120
131	0	0	0	0	0	0	1	0	0	0	140
ORIGIN ZONE 33	PURPOSE 3	989 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	18	0	5	6	118	73	704	0	0	10
11	0	0	0	0	0	0	21	0	0	0	20
31	0	2	13	0	0	0	0	0	0	0	40
61	0	0	5	0	0	0	0	0	5	0	70
91	0	3	0	0	0	0	0	0	0	0	100
111	0	0	0	0	0	0	4	0	0	0	120
131	0	0	0	0	0	4	0	0	0	0	140
ORIGIN ZONE 33	PURPOSE 4	1273 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	69	0	20	21	174	44	171	0	0	10
11	0	9	2	45	8	0	56	0	48	36	20
21	32	0	5	18	5	0	19	0	0	0	30
31	0	15	78	3	4	0	6	81	8	58	40
41	3	0	9	3	0	29	10	0	0	12	50
51	0	2	0	0	4	11	0	0	2	0	60
61	0	7	2	2	0	0	0	6	12	3	70
71	15	0	0	0	4	1	0	0	0	3	80

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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
81	2	0	4	0	0	0	0	0	2	0	90
91	0	2	3	0	0	5	1	0	4	0	100
101	0	1	0	4	9	0	0	0	0	0	110
111	4	0	0	0	0	9	9	6	4	0	120
121	2	0	0	0	0	0	0	0	0	0	130
131	4	0	1	3	0	0	0	0	0	0	140
ORIGIN ZONE 34	PURPOSE 1	12607 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	5	150	9	33	298	1286	1271	2747	114	4	10
11	0	48	3	15	11	11	1011	15	370	389	20
21	138	118	101	53	15	0	96	0	0	0	30
31	5	10	9	21	35	26	146	1066	219	1460	40
41	349	4	7	17	5	39	66	5	9	72	50
51	4	3	15	0	19	57	10	1	18	13	60
61	2	138	32	38	0	8	6	7	38	0	70
71	23	10	2	3	9	12	10	13	5	3	80
81	6	9	3	19	2	0	5	3	0	0	90
91	0	4	25	0	3	7	0	1	6	0	100
101	0	3	7	5	29	0	0	0	0	0	110
111	1	0	0	0	0	10	22	1	2	0	120
121	4	0	0	0	0	0	3	0	0	0	130
131	14	0	1	0	0	2	8	0	0	0	140
141	0	0	2	0	0	0	0	0	0	0	
ORIGIN ZONE 34	PURPOSE 2	4271 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	71	0	7	64	244	273	554	45	0	10
11	0	24	1	0	3	5	467	28	275	243	20
21	159	31	48	107	7	5	21	0	0	0	30
31	1	20	10	8	28	24	128	403	212	373	40
41	176	0	3	3	7	22	30	0	0	5	50
51	0	1	0	0	5	13	8	2	3	4	60
61	0	15	3	5	1	0	0	5	6	3	70
71	10	0	2	0	0	1	3	0	4	1	80
81	2	0	1	2	0	0	3	5	0	0	90
91	0	0	3	0	0	2	0	0	0	0	100
101	1	0	1	1	5	0	0	0	0	0	110
111	1	0	0	0	0	3	5	0	0	0	120
121	3	0	0	0	0	0	0	0	0	0	130
131	0	0	0	0	0	0	1	0	0	0	140



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ORIGIN ZONE	34	PURPOSE	3	674 TOTAL ORIG/PROD								
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1		0	61	0	12	0	60	30	82	0	0	10
11		0	0	0	47	10	0	55	0	35	31	20
21		0	0	0	0	0	0	63	0	0	0	30
31		0	0	0	0	0	0	0	17	0	23	40
51		0	0	0	0	0	0	0	0	10	0	60
61		0	6	0	0	0	0	0	0	0	0	70
71		0	0	0	0	0	20	0	0	0	0	80
81		20	0	0	0	0	0	0	0	0	0	90
91		0	4	0	0	0	3	0	0	0	0	100
111		0	0	0	0	0	0	5	0	0	0	120
131		11	0	0	0	0	45	4	0	0	0	140

ORIGIN ZONE	34	PURPOSE	4	2645 TOTAL ORIG/PROD								
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1		4	195	0	55	52	192	15	189	12	0	10
11		0	10	4	4	3	9	137	8	84	114	20
21		87	3	31	50	5	0	10	0	0	0	30
31		0	0	4	17	23	5	10	329	22	310	40
41		97	0	5	11	5	30	66	0	0	4	50
51		6	6	8	2	8	40	10	0	23	5	60
61		0	31	9	12	5	6	11	4	30	6	70
71		15	0	0	3	4	10	7	2	0	2	80
81		2	0	6	3	2	0	2	0	0	3	90
91		1	0	9	0	0	8	2	0	3	0	100
101		0	2	1	13	9	0	2	0	0	0	110
111		2	0	0	0	0	28	19	15	11	1	120
121		4	0	0	1	0	0	4	0	0	0	130
131		5	0	0	0	0	0	3	0	0	0	140

ORIGIN ZONE	35	PURPOSE	1	2997 TOTAL ORIG/PROD								
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1		0	4	0	0	62	304	193	422	16	0	10
11		0	3	3	13	0	0	133	0	53	59	20
21		13	18	15	11	0	2	24	0	0	0	30
31		2	23	1	34	130	4	24	544	35	549	40
41		43	0	3	0	0	2	21	0	0	32	50
51		0	3	6	0	4	29	2	0	11	6	60
61		0	34	6	9	4	0	0	0	27	4	70
71		2	4	0	0	0	0	0	0	0	0	80
81		3	0	1	11	0	0	2	0	0	0	90
91		7	0	6	0	0	6	0	0	1	0	100

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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
101	0	0	0	2	3	0	0	0	0	0	110
111	0	0	0	0	0	0	4	0	1	0	120
121	1	0	0	0	0	0	0	0	0	0	130
131	1	0	0	0	0	0	2	0	2	0	140

ORIGIN ZONE	35	PURPOSE	2	1392 TOTAL ORIG/PROD								
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1		0	6	0	13	24	44	43	161	0	0	10
11		0	11	1	4	0	0	122	3	40	45	20
21		17	4	11	15	4	0	0	0	0	0	30
31		0	16	0	28	99	3	9	315	29	218	40
41		16	0	0	4	2	2	12	0	0	8	50
51		1	0	0	0	4	3	0	7	2	1	60
61		0	5	2	2	0	0	0	1	1	0	70
71		1	0	0	0	0	0	0	0	0	1	80
81		1	3	0	2	0	0	2	0	0	0	90
91		0	0	3	0	0	0	0	0	0	0	100
101		0	0	0	0	1	0	0	0	0	0	110
111		0	0	0	0	0	5	0	0	0	0	120
131		3	0	0	0	0	0	4	0	0	0	140

ORIGIN ZONE	35	PURPOSE	3	301 TOTAL ORIG/PROD								
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1		0	18	0	0	11	22	18	116	56	0	10
31		0	2	0	0	5	0	0	34	0	4	40
41		0	0	0	0	0	0	0	0	0	10	50
131		0	0	0	0	0	0	5	0	0	0	140

ORIGIN ZONE	35	PURPOSE	4	1509 TOTAL ORIG/PROD								
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1		3	142	4	11	33	107	22	124	7	0	10
11		0	9	0	4	9	0	102	4	42	17	20
21		9	1	8	8	0	0	4	0	0	0	30
31		0	13	4	23	48	4	4	225	25	150	40
41		41	0	2	2	6	19	23	11	0	22	50
51		1	11	0	0	9	13	4	2	17	6	60
61		0	23	9	8	0	3	0	8	0	5	70
71		11	0	0	0	0	9	0	0	0	8	80
81		2	0	0	2	0	0	1	0	0	0	90
91		0	0	8	0	0	3	0	4	0	0	100
101		0	4	2	1	2	0	0	0	0	0	110



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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
111	0	0	0	0	0	6	4	6	4	7	120
121	0	0	0	0	0	0	2	0	0	2	130
131	0	0	0	0	0	0	1	0	0	0	140
ORIGIN ZONE 36	PURPOSE 1	1674 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	4	1	0	5	20	115	131	100	20	4	10
11	0	0	0	5	0	0	55	8	44	221	20
21	35	50	121	121	22	3	87	0	0	5	30
31	0	61	8	25	6	216	19	13	8	36	40
41	17	0	9	2	2	0	2	0	3	0	50
51	0	0	0	0	1	2	0	2	2	0	60
61	0	13	2	2	0	0	0	0	6	0	70
71	0	0	0	0	2	3	2	0	0	0	80
101	0	0	0	2	4	0	0	0	0	0	110
111	0	0	0	0	0	0	0	4	0	0	120
121	0	0	0	0	0	0	0	10	0	0	130
131	0	0	0	0	0	0	2	0	2	0	140
141	0	0	5	1							
ORIGIN ZONE 36	PURPOSE 2	825 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	8	0	0	21	8	33	33	3	5	10
11	0	0	0	1	0	0	37	3	42	90	20
21	12	4	30	101	7	0	22	0	0	0	30
31	0	20	3	23	4	168	22	33	0	29	40
41	16	0	4	8	0	1	8	0	2	1	50
51	0	0	0	0	0	1	0	0	0	0	60
61	0	1	1	0	0	3	1	0	4	0	70
71	2	0	0	0	0	0	2	0	0	0	80
81	0	0	0	0	2	0	0	0	0	0	90
91	0	0	2	0	0	0	0	0	0	0	100
111	0	0	0	0	0	0	1	0	0	0	120
121	0	0	0	0	0	0	0	0	0	1	130
ORIGIN ZONE 36	PURPOSE 3	200 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	13	0	0	12	0	31	0	0	0	10
11	0	0	0	0	5	0	98	0	0	0	20
21	27	0	0	0	0	0	0	0	0	0	30
41	0	0	0	0	4	0	0	0	0	0	50

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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
71	0	0	0	0	0	0	10	0	0	0	80
ORIGIN ZONE 36	PURPOSE 4	665 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	4	21	0	5	0	34	30	21	15	0	10
11	0	0	0	3	0	0	76	12	39	18	20
21	48	6	50	72	15	0	23	0	0	0	30
31	0	3	1	4	4	47	2	13	2	23	40
41	18	0	0	4	8	0	5	0	0	4	50
51	2	2	0	0	2	2	0	0	2	0	60
61	0	0	2	0	0	0	0	2	2	0	70
71	4	0	1	0	2	0	0	0	0	0	80
81	0	0	3	0	0	0	0	0	0	0	90
91	0	0	1	0	1	0	0	0	0	0	100
111	0	0	0	0	0	1	0	1	0	0	120
131	2	0	0	0	0	0	0	0	3	0	140
ORIGIN ZONE 37	PURPOSE 1	2348 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	9	2	6	38	58	116	112	20	0	10
11	0	0	0	0	0	0	7	1	66	72	20
21	46	44	51	1	0	2	34	0	0	0	30
31	0	52	3	147	25	19	864	104	207	119	40
41	99	0	3	3	0	10	1	0	0	8	50
51	0	3	4	0	0	4	0	0	0	1	60
61	0	5	2	2	0	2	0	0	4	0	70
91	0	0	4	0	0	0	0	0	0	0	100
101	0	2	0	0	3	0	0	0	0	0	110
111	0	0	0	0	0	0	2	0	0	0	120
121	0	0	0	0	0	0	0	0	0	1	130
ORIGIN ZONE 37	PURPOSE 2	1140 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	4	12	5	16	20	1	0	10
11	0	0	0	0	0	0	0	0	19	27	20
21	2	6	18	5	3	3	1	0	0	0	30
31	0	32	8	128	8	22	572	60	113	21	40
41	18	0	0	0	0	2	0	2	0	1	50
51	0	3	0	0	1	0	0	0	0	0	60
71	0	0	0	0	0	1	0	0	0	0	80
81	0	0	2	0	0	0	0	0	0	0	90



MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
91	0	0	1	0	0	1	0	0	0	0	100
ORIGIN ZONE 37	PURPOSE 3	137 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	18	0	0	0	11	27	17	0	0	10
31	0	0	0	0	0	0	2	0	0	0	40
51	0	0	0	0	0	0	16	0	0	0	60
61	0	20	10	0	0	0	0	0	0	0	70
81	0	0	0	0	0	0	4	0	0	0	90
91	0	0	0	0	0	0	0	0	0	0	100
111	4	0	0	0	0	0	0	0	0	0	120
ORIGIN ZONE 37	PURPOSE 4	404 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	13	0	0	0	17	2	7	6	0	10
11	0	0	0	0	0	0	0	0	21	43	20
21	0	2	0	15	1	0	0	0	0	0	30
31	0	10	6	10	5	3	139	11	21	22	40
41	11	0	0	3	4	4	6	3	0	3	50
51	0	0	0	0	1	0	0	0	1	0	60
61	0	1	0	1	0	0	0	0	0	0	70
71	2	0	0	0	0	1	0	0	0	0	80
81	0	0	0	0	0	0	2	0	0	0	90
101	0	0	0	0	2	0	0	0	0	0	110
111	0	0	0	0	0	1	1	0	0	0	120
121	0	0	0	1	0	1	0	0	0	0	130
131	0	0	0	1	0	0	0	0	0	0	140
ORIGIN ZONE 38	PURPOSE 1	3425 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	10	1	0	57	118	158	203	9	4	10
11	0	6	0	34	4	1	62	3	33	72	20
21	19	27	35	9	11	6	19	0	0	0	30
31	0	324	113	1066	547	10	104	2	6	11	40
41	0	0	0	0	0	40	19	8	19	39	50
51	16	11	16	0	2	13	12	5	2	0	60
61	0	21	6	6	5	0	0	0	4	0	70
71	10	0	0	7	27	2	8	5	4	0	80
81	0	3	0	3	0	0	6	0	0	0	90
91	0	1	0	0	0	0	0	0	0	0	100
101	0	0	7	0	1	0	0	0	0	0	110

MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
111	3	0	0	0	0	0	2	0	0	0	120
121	1	0	2	0	0	0	0	0	0	0	130
131	0	0	0	0	0	0	5	0	0	0	140
ORIGIN ZONE 38	PURPOSE 2	1477 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	1	18	0	4	26	28	41	36	4	0	10
11	0	4	0	4	1	0	43	9	25	15	20
21	13	4	15	10	9	15	4	0	0	0	30
31	0	149	38	402	313	32	58	2	0	10	40
41	4	0	0	0	0	25	10	3	5	21	50
51	0	0	8	0	3	2	0	0	2	0	60
61	0	5	2	2	4	1	4	1	4	0	70
71	0	0	0	0	5	0	1	0	0	0	80
81	5	0	0	0	0	0	0	0	1	0	90
91	0	1	0	0	0	0	0	0	0	0	100
101	0	0	0	0	2	0	0	0	0	0	110
111	0	0	0	0	0	0	2	1	0	0	120
121	1	0	0	0	0	0	0	0	0	0	130
131	0	0	0	0	0	0	1	0	0	0	140
ORIGIN ZONE 38	PURPOSE 3	188 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	9	0	0	0	14	2	56	0	0	10
11	0	0	0	0	0	0	9	0	0	0	20
21	13	0	0	0	0	0	0	0	0	0	30
31	0	12	0	17	31	0	0	0	0	0	40
61	0	5	0	5	0	0	0	0	0	0	70
131	15	0	0	0	0	0	0	0	0	0	140
ORIGIN ZONE 38	PURPOSE 4	1661 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	4	81	1	33	16	61	59	45	0	0	10
11	0	7	0	23	0	0	40	7	33	52	20
21	6	0	17	10	11	3	15	0	0	0	30
31	0	134	80	329	227	10	11	0	19	13	40
41	1	0	0	4	2	21	13	0	10	50	50
51	10	34	7	0	11	15	4	2	11	0	60
61	0	14	5	4	0	5	0	2	11	3	70
71	6	0	0	0	2	2	3	0	0	0	80
81	0	0	3	1	0	0	3	0	0	0	90



MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
91	0	0	0	0	0	2	0	0	0	0	100
101	0	0	0	1	0	0	0	0	0	0	110
111	2	1	0	0	0	3	6	3	2	4	120
121	4	0	0	0	0	0	0	0	0	0	130
131	2	0	4	0	0	0	3	0	0	0	140
ORIGIN ZONE 39	PURPOSE 1	917 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	13	0	0	22	27	56	47	7	0	10
11	0	3	0	12	0	0	7	0	5	49	20
21	17	13	10	12	3	3	6	0	0	0	30
31	0	65	0	219	32	13	207	6	0	6	40
41	0	0	0	0	0	4	2	5	0	3	50
51	0	16	0	0	0	0	0	0	0	6	60
61	0	5	3	0	0	0	0	0	0	0	70
101	0	0	0	0	1	0	0	0	0	0	110
111	0	0	0	0	0	0	0	5	0	0	120
121	2	0	0	0	0	0	0	0	0	0	130
131	3	0	2	0	0	0	0	0	0	0	140
ORIGIN ZONE 39	PURPOSE 2	512 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	15	4	10	0	0	10
11	0	0	0	0	0	0	14	0	15	6	20
21	0	0	9	2	3	3	0	0	6	0	30
31	0	30	14	219	30	8	116	0	0	0	40
41	2	0	0	0	0	2	0	3	5	3	50
51	0	0	0	0	1	0	0	3	0	0	60
71	0	0	0	0	0	3	0	0	0	0	80
ORIGIN ZONE 39	PURPOSE 3	85 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	13	0	0	0	22	13	21	0	0	10
41	0	0	0	0	0	0	2	0	0	0	50
61	0	0	0	0	0	0	0	0	0	6	70
ORIGIN ZONE 39	PURPOSE 4	181 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	1	0	3	5	4	4	4	4	0	10

MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
11	0	0	0	2	0	0	4	3	0	2	20
21	3	0	0	0	0	4	4	0	0	0	30
31	0	5	8	21	27	3	20	19	3	0	40
41	0	0	0	1	0	2	4	3	0	2	50
51	4	0	0	0	0	0	0	0	0	0	60
61	0	3	0	1	0	0	0	0	0	0	70
71	7	0	0	0	0	0	0	0	0	0	80
111	0	0	0	0	0	0	1	0	0	0	120
ORIGIN ZONE 40	PURPOSE 1	6798 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	4	70	0	7	138	509	407	1118	33	0	10
11	0	2	0	16	10	10	187	2	66	110	20
21	31	27	16	16	18	25	51	0	0	0	30
31	0	547	216	1459	549	35	118	10	6	438	40
41	15	0	13	7	5	421	302	50	48	530	50
51	98	93	53	0	31	110	24	12	21	25	60
61	0	200	43	53	5	5	4	7	82	2	70
71	38	0	6	0	9	20	10	7	7	2	80
81	5	5	16	7	4	0	3	0	0	0	90
91	1	0	19	1	0	7	0	0	0	0	100
101	0	1	7	6	24	0	0	0	0	0	110
111	5	0	1	2	0	10	33	1	3	0	120
121	2	0	0	0	0	1	0	0	0	0	130
131	5	0	2	0	6	0	6	0	0	0	140
141	0	0	10	4							
ORIGIN ZONE 40	PURPOSE 2	2911 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	5	20	1	8	47	79	84	183	10	0	10
11	0	1	0	7	0	0	94	5	40	32	20
21	20	14	10	16	10	10	13	4	0	0	30
31	0	252	121	374	220	32	20	11	1	297	40
41	5	0	6	3	0	187	129	16	24	175	50
51	47	24	0	16	15	35	9	3	9	10	60
61	0	29	7	10	4	1	1	3	22	0	70
71	11	1	0	0	5	4	7	0	0	0	80
81	0	0	3	1	0	0	2	0	0	1	90
91	0	1	11	0	0	1	0	0	1	0	100
101	0	0	0	1	3	0	0	0	0	0	110
111	0	0	0	0	0	1	11	0	0	0	120
121	0	0	0	0	0	0	0	0	0	2	130
131	2	0	0	0	0	0	1	0	0	1	140



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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
141	1	0	0	0							
ORIGIN ZONE 40	PURPOSE 3	364 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	25	0	4	6	30	30	38	0	0	10
11	0	0	0	0	0	0	26	0	0	0	20
21	0	22	0	26	5	0	0	0	0	0	40
31	0	0	0	0	0	17	0	0	0	21	50
41	0	0	0	0	0	20	0	0	0	0	60
51	0	0	0	0	0	0	0	0	0	0	70
61	0	14	0	10	0	0	0	0	0	0	80
71	0	0	0	0	4	20	10	0	0	0	100
81	0	0	0	0	0	0	0	0	0	0	120
91	0	0	0	0	0	0	0	0	0	0	130
101	0	0	0	0	0	0	3	0	0	0	140
111	5	0	0	0	0	0	0	0	0	0	
121	0	0	0	0	0	14	8	0	0	0	
131	0	0	0	0	0						
ORIGIN ZONE 40	PURPOSE 4	2442 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	3	134	0	25	22	69	27	93	2	2	10
11	0	3	0	4	6	63	0	0	17	16	20
21	13	4	2	11	14	4	21	0	0	0	30
31	0	163	61	108	148	22	22	13	0	156	40
41	11	0	6	7	6	148	76	6	12	151	50
51	30	14	0	5	17	30	7	3	45	1	60
61	2	40	12	14	0	2	7	0	4	4	70
71	33	1	6	0	0	14	0	0	0	2	80
81	6	7	4	4	0	2	0	0	1	5	90
91	0	3	17	0	4	8	10	0	2	0	100
101	0	3	2	11	20	0	0	0	0	0	110
111	4	0	0	1	0	9	38	9	8	6	120
121	6	0	0	3	0	0	0	0	0	0	130
131	2	0	0	0	0	0	6	0	0	2	140
ORIGIN ZONE 41	PURPOSE 1	1352 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	18	0	0	0	85	72	110	10	0	10
11	0	0	0	13	0	0	31	0	16	23	20
21	11	0	20	0	0	18	8	0	0	0	30
31	0	113	42	349	47	18	58	0	0	15	40
41	7	0	2	1	0	18	70	21	0	64	50
51	5	0	3	0	0	8	3	0	2	12	60

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
61	0	17	4	6	0	1	0	0	4	0	70
71	5	0	0	0	0	0	1	0	0	0	80
81	0	0	0	0	0	0	2	0	0	0	90
91	0	0	2	0	0	3	0	0	0	0	100
101	0	0	0	0	4	0	0	0	0	0	110
111	0	0	0	0	0	0	1	2	0	0	120
121	1	0	0	0	0	0	0	0	0	0	130
131	0	0	0	0	0	0	0	0	0	4	140
141	0	0	2	0	0	0	0	0	0	0	
ORIGIN ZONE 41	PURPOSE 2	658 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	4	0	0	17	10	19	26	0	0	10
11	0	4	0	1	0	0	8	5	9	9	20
21	0	5	6	1	3	11	0	0	0	0	30
31	0	92	57	171	15	16	18	3	2	5	40
41	4	0	0	4	0	14	55	19	0	13	50
51	0	8	0	0	1	3	1	2	2	0	60
61	0	3	2	0	0	0	0	2	3	0	70
71	0	0	0	0	0	0	1	0	0	0	80
111	0	0	0	0	0	0	0	1	0	0	120
131	0	0	2	0	0	0	1	0	0	0	140
ORIGIN ZONE 41	PURPOSE 3	159 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	25	0	26	0	0	0	10
11	0	0	0	0	0	0	0	0	48	0	20
51	0	0	0	0	0	14	0	0	0	0	60
61	0	20	6	4	0	0	0	0	0	0	70
71	0	0	0	0	0	0	6	0	0	10	80
ORIGIN ZONE 41	PURPOSE 4	628 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	33	0	4	12	34	9	21	4	0	10
11	0	2	0	30	0	0	11	2	2	4	20
21	2	1	0	11	0	0	1	7	0	0	30
31	0	27	3	99	39	17	12	2	0	10	40
41	0	0	2	2	0	3	25	22	2	43	50
51	0	0	7	0	4	16	0	2	16	3	60
61	0	13	4	4	0	6	0	0	0	5	70
71	0	0	1	0	5	0	5	0	0	0	80



MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
81	0	1	3	0	0	0	0	0	0	0	90
91	0	0	2	0	0	4	0	0	0	0	100
101	0	0	2	1	0	0	0	0	0	0	110
111	0	0	0	0	0	0	2	1	0	0	120
121	0	0	0	1	0	0	0	2	0	0	130
131	0	0	0	0	0	0	3	0	0	0	140
ORIGIN ZONE	42	PURPOSE 1	507 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	2	12	0	0	3	23	39	17	5	0	10
11	0	2	0	0	0	0	5	0	1	5	20
21	2	6	8	0	0	2	9	0	0	0	30
31	0	1	3	2	0	0	0	0	0	0	40
41	0	148	57	101	44	0	4	0	0	0	50
51	0	0	0	0	1	0	0	0	0	0	60
61	0	2	0	0	0	0	0	0	0	0	70
71	0	0	0	0	0	0	2	0	0	0	80
131	0	0	0	0	0	0	1	0	0	0	140
ORIGIN ZONE	42	PURPOSE 2	436 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	6	24	0	0	5	9	3	5	2	0	10
11	0	0	0	0	2	0	3	0	0	7	20
21	1	2	0	0	0	0	3	0	0	0	30
31	2	2	0	0	0	0	0	0	0	0	40
41	0	170	69	86	23	0	0	0	0	0	50
61	0	0	0	0	0	0	0	0	3	0	70
111	0	0	0	0	0	0	3	0	0	0	120
131	0	0	0	0	0	0	2	0	0	2	140
ORIGIN ZONE	42	PURPOSE 3	18 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	0	3	0	0	0	10
31	0	13	0	0	0	0	0	0	0	0	40
41	0	0	1	1	0	0	0	0	0	0	50
ORIGIN ZONE	42	PURPOSE 4	150 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE

MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	3	4	0	0	0	6	2	2	2	0	10
11	0	0	0	0	0	0	0	4	3	0	20
21	0	0	0	0	0	1	0	0	0	0	30
41	0	18	15	51	25	0	0	3	0	0	50
71	2	0	0	0	0	0	0	0	0	0	80
111	0	0	0	0	0	0	2	0	0	0	120
131	2	0	0	0	0	0	0	0	0	0	140
141	5	0	0	0	0	0	0	0	0	0	
ORIGIN ZONE	43	PURPOSE 1	3048 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	6	44	3	9	28	187	170	61	41	0	10
11	0	4	2	6	0	0	13	1	9	16	20
21	12	16	16	1	18	4	40	0	0	0	30
31	1	38	1	8	4	7	2	0	0	12	40
41	2	58	197	1780	210	0	2	0	0	0	50
51	0	0	0	0	3	1	0	4	3	0	60
61	0	12	2	5	0	0	0	0	4	0	70
71	5	0	0	0	0	4	0	2	4	0	80
81	0	0	0	0	0	0	3	0	2	0	90
101	0	0	0	2	6	0	0	0	0	0	110
111	0	0	0	0	0	0	3	3	0	0	120
131	2	0	0	0	0	5	7	0	0	10	140
141	0	0	7	0	0	0	0	0	0	0	
ORIGIN ZONE	43	PURPOSE 2	1518 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	16	19	5	9	10	30	35	19	7	0	10
11	0	1	0	0	0	3	28	1	4	16	20
21	4	11	19	4	10	2	4	0	0	0	30
31	0	20	4	2	0	2	0	0	0	8	40
41	0	68	121	873	111	0	0	0	4	0	50
51	0	0	0	0	1	2	0	1	1	0	60
61	0	1	0	0	0	3	0	0	1	0	70
71	3	0	0	1	0	0	0	0	0	0	80
91	0	0	2	0	0	0	0	0	3	0	100
111	0	0	0	0	0	0	5	0	0	0	120
121	0	2	0	0	0	0	4	0	0	0	130
131	0	0	0	0	0	0	0	0	0	0	140
141	0	0	5	0	0	0	0	0	0	0	
ORIGIN ZONE	43	PURPOSE 3	173 TOTAL ORIG/PROD								



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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	0	0	3	3	0	10
21	0	0	0	0	12	0	0	0	0	0	30
31	0	0	0	0	0	0	0	0	0	0	40
41	0	1	3	3	7	0	0	0	0	46	50
51	12	0	0	0	13	0	0	0	0	0	60
61	0	6	4	0	0	7	0	0	3	0	70
81	0	5	0	0	0	0	0	0	0	0	90
91	0	0	0	0	0	0	0	5	0	0	100
111	0	0	0	0	0	2	20	0	0	0	120
131	0	0	0	0	0	0	10	0	0	0	140

ORIGIN ZONE 43 PURPOSE 4 641 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	7	17	1	6	10	16	10	6	2	0	10
11	0	0	0	2	2	0	10	0	5	3	20
21	7	1	14	0	0	11	9	4	0	0	30
31	0	4	8	5	3	0	0	0	0	5	40
41	3	16	22	298	51	0	4	0	0	0	50
51	0	0	0	0	0	8	0	1	0	0	60
61	0	5	3	1	0	4	0	0	7	7	70
81	0	2	0	0	0	0	0	0	0	0	90
101	0	0	0	0	2	0	0	0	0	0	110
111	0	0	0	0	0	0	7	1	0	0	120
131	3	0	0	0	0	0	28	0	0	0	140

ORIGIN ZONE 44 PURPOSE 1 2847 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	12	44	3	10	23	160	205	92	27	0	10
11	0	1	0	3	0	2	26	4	24	36	20
21	6	18	18	2	6	7	27	0	0	0	30
31	3	22	2	18	0	1	6	0	0	6	40
41	1	101	1781	20	13	0	2	0	0	4	50
51	0	0	0	0	11	5	0	0	0	0	60
61	0	9	1	2	3	2	0	4	5	0	70
71	0	0	0	0	0	2	0	0	0	0	80
81	0	0	2	0	0	0	0	0	0	0	90
91	0	0	4	0	0	0	0	0	0	0	100
101	0	0	2	0	5	0	0	0	0	0	110
111	0	0	0	0	0	3	6	0	3	0	120
121	0	2	0	0	0	0	3	0	0	0	130
131	0	0	0	0	0	0	5	0	0	0	140

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ORIGIN ZONE 44 PURPOSE 2 1334 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	13	30	2	10	13	49	41	16	7	0	10
11	0	1	0	4	0	4	20	0	16	16	20
21	5	8	11	6	0	0	14	0	0	2	30
31	1	7	0	1	3	10	0	0	0	3	40
41	3	86	872	9	11	0	3	0	0	3	50
51	0	0	0	0	4	2	0	0	0	2	60
61	0	1	0	1	0	0	0	0	3	2	70
101	0	0	0	0	1	0	0	0	0	0	110
111	0	0	0	0	0	0	6	0	0	0	120
131	0	0	0	0	0	0	10	0	6	0	140
141	0	0	2	0	0	0	0	0	0	0	140

ORIGIN ZONE 44 PURPOSE 3 56 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	6	2	5	0	0	10
31	0	18	0	0	0	0	0	0	0	0	40
41	0	0	4	0	0	0	0	0	0	0	50
51	0	0	6	0	0	0	0	0	0	0	60
61	0	0	0	0	15	0	0	0	0	0	70

ORIGIN ZONE 44 PURPOSE 4 878 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	18	61	4	4	6	25	25	13	6	0	10
11	0	0	0	0	0	0	22	0	6	19	20
21	4	0	15	4	5	10	9	0	0	0	30
31	10	30	4	10	3	3	5	4	1	18	40
41	2	50	297	57	4	0	1	0	3	0	50
51	0	0	0	0	6	4	2	0	9	0	60
61	0	5	1	2	0	0	0	0	4	4	70
71	4	0	0	4	0	6	2	0	0	0	80
91	0	0	0	0	0	0	6	0	0	0	100
101	0	0	0	2	4	0	0	0	0	0	110
111	0	0	0	0	0	0	15	2	2	0	120
121	4	0	0	0	0	0	3	1	0	0	130
131	4	0	3	0	0	0	26	0	0	0	140
141	0	0	3	0	0	0	0	0	0	0	140

ORIGIN ZONE 45 PURPOSE 1 568 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	2	42	0	5	16	57	35	29	11	0	10
11	0	3	0	5	0	0	7	0	4	2	20
21	0	11	3	0	0	2	5	0	0	0	30
31	0	10	1	5	0	2	0	0	0	5	40
41	0	45	200	13	0	0	0	0	0	2	50
61	0	2	0	0	0	0	0	0	0	0	70
91	0	0	0	0	0	1	0	0	0	0	100
111	0	0	0	0	0	0	13	3	2	0	120
131	0	0	3	3	0	2	6	0	0	0	140
141	0	0	2	0							

ORIGIN ZONE 45 PURPOSE 2 243 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	5	17	0	2	6	14	2	8	0	0	10
11	0	2	0	0	0	0	0	0	0	4	20
21	2	2	0	0	0	3	4	0	0	0	30
31	2	1	2	5	2	0	0	0	0	0	40
41	0	24	112	11	0	0	0	0	0	0	50
61	0	0	1	0	0	0	0	0	3	0	70
111	2	0	0	0	0	0	3	0	0	0	120
131	0	0	0	0	0	0	4	0	0	0	140

ORIGIN ZONE 45 PURPOSE 3 35 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	3	0	3	0	0	10
31	0	0	0	0	0	4	0	0	0	0	40
41	0	0	7	0	0	0	2	0	0	0	50
51	0	0	0	0	0	6	0	0	0	0	60
101	0	0	0	0	8	0	0	0	0	0	110
131	0	0	0	0	0	0	2	0	0	0	140

ORIGIN ZONE 45 PURPOSE 4 190 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	5	59	2	1	6	13	8	8	9	0	10
11	0	0	0	0	0	0	6	3	0	3	20
21	3	0	2	0	4	3	10	0	0	0	30
31	0	0	0	4	4	6	3	3	0	4	40
41	0	28	53	4	0	2	2	0	0	2	50
51	2	0	0	0	0	0	0	0	0	0	60
61	0	5	1	3	0	0	0	0	2	0	70
71	3	0	0	4	0	0	0	0	0	0	80

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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
91	0	0	2	0	0	4	0	0	0	0	100
101	0	0	0	4	6	0	0	0	0	0	110
111	1	0	0	0	0	13	27	4	4	0	120
121	4	0	0	0	0	21	0	0	0	0	130
131	5	0	0	4	0	5	6	0	0	0	140

ORIGIN ZONE 46 PURPOSE 1 1062 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	7	0	0	16	27	56	62	4	0	10
11	0	0	0	0	0	0	11	0	5	16	20
21	0	5	0	6	0	0	3	0	0	0	30
31	0	14	7	38	1	0	11	39	4	420	40
41	18	0	0	0	0	3	3	0	0	0	50
51	5	0	0	0	27	39	19	0	8	0	60
61	0	67	17	18	0	16	0	0	14	0	70
71	0	0	0	4	9	0	11	0	0	0	80
81	0	0	3	0	0	0	0	0	0	0	90
91	0	0	4	0	2	0	0	0	3	0	100
101	0	0	4	0	2	0	0	0	0	0	110
111	0	0	0	0	0	0	5	0	0	0	120
121	0	0	0	0	0	0	2	0	0	0	130
131	0	0	0	0	0	0	1	0	2	0	140

ORIGIN ZONE 46 PURPOSE 2 469 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	3	5	0	0	1	16	20	17	1	0	10
11	1	0	0	0	0	0	7	0	16	13	20
21	4	1	9	2	0	0	1	0	0	0	30
31	0	3	1	23	2	0	2	24	3	187	40
41	13	0	0	0	0	2	0	0	0	13	50
51	0	0	0	0	11	22	0	2	3	0	60
61	4	6	2	2	0	0	0	1	2	3	70
71	0	0	0	0	0	0	0	0	0	2	80
81	0	0	0	0	0	0	0	0	0	2	90
91	2	0	4	0	1	1	0	0	0	0	100
101	0	0	0	0	2	0	0	0	0	0	110
111	0	0	0	0	0	0	1	0	0	0	120
131	2	0	0	0	0	1	0	0	0	0	140
141	0	0	3	0							

ORIGIN ZONE 46 PURPOSE 3 52 TOTAL ORIG/PROD



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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	8	0	0	0	7	0	0	0	0	10
11	0	0	0	0	0	0	0	0	0	16	40
21	0	0	0	0	0	9	0	0	0	0	60
31	0	0	0	0	3	0	0	0	0	0	110
41	0	0	0	0	0	0	9	0	0	0	140
51	0	0	0	0	0	0	0	0	0	0	0
61	0	0	0	0	0	0	0	0	0	0	0
71	0	0	0	0	0	0	0	0	0	0	0
81	0	0	0	0	0	0	0	0	0	0	0
91	0	0	0	0	0	0	0	0	0	0	0
101	0	0	0	0	0	0	0	0	0	0	0
111	0	0	0	0	0	0	0	0	0	0	0
121	0	0	0	0	0	0	0	0	0	0	0
131	0	0	0	0	0	0	0	0	0	0	0
141	0	0	0	0	0	0	0	0	0	0	0
ORIGIN ZONE 46	PURPOSE 4	610 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	4	23	0	4	12	7	4	34	0	0	10
11	0	0	0	0	0	0	15	2	20	0	20
21	6	0	0	6	0	5	2	0	0	0	30
31	0	31	26	32	21	0	4	19	1	150	40
41	2	0	0	0	3	0	0	0	0	0	50
51	5	0	11	0	16	16	6	0	28	0	60
61	1	16	4	6	0	7	3	2	14	0	70
71	0	0	0	0	0	0	4	0	0	0	80
81	4	2	2	0	0	3	1	0	0	0	100
91	0	0	1	0	0	0	0	0	0	0	110
101	0	0	0	0	0	0	6	1	0	3	120
111	0	0	0	0	0	0	1	0	0	0	130
121	0	0	0	0	0	0	0	0	0	0	0
131	0	0	0	0	0	0	0	0	0	0	0
141	0	0	6	0	0	0	0	0	0	0	0
ORIGIN ZONE 47	PURPOSE 1	1864 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	14	0	0	46	70	81	181	0	0	10
11	0	0	0	2	0	0	47	0	6	19	20
21	14	0	11	14	0	0	0	0	0	0	30
31	0	26	0	66	22	1	1	20	3	103	40
41	71	2	2	4	0	3	6	0	0	236	50
51	3	13	16	0	37	54	14	22	32	10	60
61	0	131	29	15	0	7	0	23	45	20	70
71	15	0	0	0	0	0	12	2	0	0	80
81	9	0	0	0	0	0	0	0	0	0	90
91	0	3	7	0	0	3	0	0	0	2	100
101	0	0	0	5	9	0	0	0	0	0	110
111	4	0	0	0	0	2	5	0	0	0	120
121	0	0	0	0	0	0	10	0	0	0	130
131	0	0	0	0	0	3	0	0	0	0	140
141	0	0	3	0	0	0	0	0	0	0	0
ORIGIN ZONE 47	PURPOSE 2	553 TOTAL ORIG/PROD									

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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	12	2	2	9	12	11	45	0	0	10
11	0	0	0	5	0	0	16	0	7	9	20
21	3	0	6	4	1	0	0	0	0	0	30
31	0	14	22	30	11	8	0	11	0	130	40
41	55	0	0	4	0	0	5	0	0	27	50
51	2	0	0	0	8	13	0	2	9	0	60
61	0	22	6	5	0	0	0	0	3	0	70
71	3	0	0	0	0	0	0	2	0	0	80
81	4	0	1	0	0	0	0	1	0	0	90
91	0	0	3	0	0	0	0	0	0	0	100
101	0	0	0	2	0	0	0	0	0	0	110
111	0	0	0	0	0	0	3	1	2	0	120
ORIGIN ZONE 47	PURPOSE 3	75 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	19	0	0	0	0	19	5	0	0	10
11	0	0	0	0	0	0	0	0	0	14	20
21	0	0	0	0	0	0	0	0	3	0	30
31	0	0	0	0	5	0	0	0	0	0	40
41	0	0	0	0	0	0	0	0	0	0	50
51	0	0	0	0	0	0	5	0	0	0	60
61	0	0	0	0	0	0	5	0	0	0	70
71	0	0	0	0	0	0	0	0	0	0	80
81	0	0	0	0	0	0	0	0	0	0	90
91	0	0	0	0	0	0	0	0	0	0	100
101	0	0	0	0	0	0	0	0	0	0	110
111	0	0	0	0	0	0	0	0	0	0	120
ORIGIN ZONE 47	PURPOSE 4	1057 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	34	0	3	2	42	12	22	0	0	10
11	0	5	0	1	0	0	30	4	16	25	20
21	17	0	2	21	7	0	6	0	0	0	30
31	0	17	11	67	22	6	7	15	4	76	40
41	22	0	4	3	1	0	4	0	0	113	50
51	11	0	0	30	18	44	6	6	121	6	60
61	0	26	8	9	10	7	11	0	26	9	70
71	8	0	0	0	2	1	8	3	0	0	80
81	0	0	0	3	1	0	0	0	0	0	90
91	0	0	13	0	0	0	2	0	2	0	100
101	0	0	2	2	2	0	0	0	0	0	110
111	0	0	0	0	0	4	13	4	3	1	120
121	2	0	0	0	0	0	1	0	0	0	130
131	0	0	0	0	0	0	3	0	0	0	140
ORIGIN ZONE 48	PURPOSE 1	113 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE



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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	3	0	0	0	3	0	12	0	0	10
31	0	0	0	5	0	0	0	11	2	51	40
41	23	0	0	0	0	0	0	0	0	0	50
51	0	0	0	0	0	0	3	0	0	0	60
ORIGIN ZONE 48	PURPOSE 2	47 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	0	0	6	0	0	10
31	0	0	0	0	0	0	3	0	3	16	40
41	18	0	0	0	0	0	0	0	0	0	50
61	0	0	0	0	0	0	0	0	1	0	70
ORIGIN ZONE 48	PURPOSE 3	0 TOTAL ORIG/PROD									
ORIGIN ZONE 48	PURPOSE 4	72 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	2	0	0	0	0	0	0	0	0	10
31	0	11	0	0	11	0	3	0	4	2	40
41	24	4	0	0	0	0	0	0	0	2	50
51	0	0	0	0	0	9	0	0	0	0	60
ORIGIN ZONE 49	PURPOSE 1	533 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	17	4	38	0	0	10
12	0	0	0	0	0	0	4	0	3	12	20
21	12	8	0	0	4	2	0	0	0	0	30
31	0	1	5	10	0	3	0	19	0	45	40
51	1	0	0	0	59	23	0	4	37	0	60
61	27	101	23	32	0	0	0	0	11	0	70
71	0	0	0	0	9	3	3	0	0	0	80
91	0	2	3	0	0	2	0	0	0	0	100
101	0	0	0	0	3	0	0	0	0	0	110
111	0	0	0	0	0	0	2	0	0	0	120
131	0	0	0	0	0	0	6	0	0	1	140
ORIGIN ZONE 49	PURPOSE 2	159 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	5	4	0	0	0	0	10

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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
11	0	0	0	0	0	0	0	0	0	11	20
21	0	0	7	0	0	0	0	0	0	0	30
31	0	2	0	0	0	0	0	5	8	21	40
41	0	0	4	0	0	0	0	0	0	0	50
51	1	0	0	0	14	37	0	2	16	1	60
61	0	4	1	2	0	0	0	1	0	0	70
71	11	0	0	0	0	0	0	0	0	0	80
91	0	2	0	0	0	0	0	0	0	0	100
ORIGIN ZONE 49	PURPOSE 3	11 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
121	11	0	0	0	0	0	0	0	0	0	130
ORIGIN ZONE 49	PURPOSE 4	95 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	1	2	0	6	0	0	0	0	0	0	10
31	0	4	0	0	0	0	0	10	0	14	40
41	4	0	0	2	0	0	0	0	0	0	50
51	0	0	0	0	7	8	3	0	8	0	60
61	0	4	0	2	0	0	0	0	2	1	70
71	7	0	0	0	0	0	0	0	0	0	80
81	0	0	0	2	0	0	0	0	2	0	90
101	0	0	0	0	2	0	0	0	0	0	110
111	0	0	0	0	0	0	0	0	0	4	120
ORIGIN ZONE 50	PURPOSE 1	3687 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	16	2	3	33	74	147	225	12	0	10
11	0	1	0	15	0	0	51	15	0	41	20
21	0	0	13	11	0	1	0	2	0	0	30
31	0	30	40	74	31	0	6	42	0	533	40
41	61	0	0	3	2	0	239	0	0	5	50
51	10	0	0	0	74	508	27	13	61	72	60
61	36	487	100	131	3	19	0	14	132	0	70
71	91	0	0	6	0	14	6	0	8	0	80
81	26	0	0	6	0	0	2	0	0	0	90
91	0	0	22	0	0	1	0	2	0	0	100
101	2	5	0	2	12	0	0	0	0	0	110
111	6	0	0	0	0	4	16	0	5	0	120
121	0	0	0	0	0	0	7	0	0	0	130
131	9	0	7	3	0	0	0	0	0	0	140



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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
141	0	0	0	2							
ORIGIN ZONE 50	PURPOSE 2	746 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	4	0	6	11	7	12	24	3	0	10
11	0	5	0	1	0	0	15	2	12	27	20
21	16	0	6	6	0	0	0	0	0	0	30
31	0	11	4	6	9	0	3	21	0	175	40
41	8	0	0	3	0	13	24	0	0	0	50
51	5	0	0	0	11	76	13	9	10	29	60
61	6	49	15	14	0	0	0	0	20	0	70
71	11	0	0	0	2	5	5	0	0	0	80
81	2	1	0	0	2	0	0	0	0	0	90
91	0	0	7	0	0	2	0	0	0	0	100
101	0	2	0	1	2	0	0	0	0	0	110
111	1	0	0	0	0	0	0	2	1	0	120
121	0	0	0	0	0	0	1	0	0	0	130
131	0	0	0	0	0	0	0	0	0	3	140
141	0	0	1	4	0	0	0	0	0		
ORIGIN ZONE 50	PURPOSE 3	177 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	0	0	22	0	0	10
31	0	0	0	0	12	0	0	0	0	19	40
41	0	0	45	0	0	0	0	0	0	0	50
61	0	27	6	14	0	0	0	0	0	0	70
111	4	0	0	0	0	0	3	0	0	0	120
131	0	0	0	0	0	11	14	0	0	0	140
ORIGIN ZONE 50	PURPOSE 4	1904 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	45	0	15	11	34	7	17	0	0	10
11	0	0	0	0	3	0	28	0	0	20	20
21	7	0	3	12	0	6	16	0	0	0	30
31	0	9	12	3	21	3	3	51	4	146	40
41	44	0	0	0	2	0	112	2	0	0	50
51	2	0	0	0	18	41	0	8	14	11	60
61	5	61	16	23	4	0	0	0	26	12	70
71	8	0	6	0	3	0	0	8	0	0	80
81	0	0	5	0	0	0	0	0	0	1	90
91	9	0	9	0	0	9	0	0	4	0	100

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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
101	1	4	1	4	10	0	0	0	0	0	110
111	0	0	0	0	0	8	14	4	4	0	120
121	0	0	0	0	0	0	0	3	0	0	130
131	0	0	3	6	0	0	0	0	0	0	140
141	1	0	0	0							
ORIGIN ZONE 51	PURPOSE 1	4185 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	2	0	0	0	12	9	3	18	0	0	10
11	0	0	0	0	0	0	0	0	3	0	20
21	0	0	11	0	0	0	0	0	0	0	30
31	0	0	0	4	0	2	0	11	0	95	40
41	11	0	0	0	0	5	0	0	1	10	50
51	250	0	1	0	1957	229	22	155	274	24	60
61	8	539	120	146	9	37	8	15	54	6	70
71	31	6	0	3	17	11	6	11	0	0	80
81	3	9	0	0	0	0	2	0	0	0	90
91	0	0	4	0	0	4	0	0	0	2	100
101	0	0	0	0	5	0	2	2	0	0	110
111	0	0	0	0	0	3	7	2	0	0	120
121	1	0	0	0	0	0	0	0	0	0	130
131	2	0	1	0	0	0	0	0	0	0	140
ORIGIN ZONE 51	PURPOSE 2	1157 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	2	0	0	2	0	3	0	0	0	10
11	0	0	0	0	0	0	0	0	0	3	20
21	6	0	0	6	0	0	0	1	0	0	30
31	0	0	0	0	2	0	0	0	0	42	40
41	0	0	0	0	0	0	3	0	1	5	50
51	167	0	0	1	493	73	8	44	67	11	60
61	5	77	20	23	8	8	3	6	16	3	70
71	14	3	0	1	6	2	0	1	0	1	80
81	1	0	2	3	1	0	1	1	0	0	90
91	0	0	3	0	0	1	0	1	0	0	100
101	0	0	0	0	2	0	0	0	0	0	110
111	0	0	0	0	0	2	1	0	0	0	120
121	1	0	0	0	0	0	0	0	0	0	130
ORIGIN ZONE 51	PURPOSE 3	208 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE



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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
41	0	0	15	0	0	0	0	0	0	0	50
51	0	0	0	0	112	0	0	47	0	0	60
61	0	0	12	0	0	0	0	0	0	0	70
111	0	0	0	0	0	0	4	0	0	0	120
131	0	0	0	0	0	0	3	0	0	0	140
ORIGIN ZONE 51	PURPOSE 4	490 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	11	0	0	0	6	2	0	0	0	10
11	0	0	0	0	0	0	2	0	0	2	20
31	0	0	0	6	2	4	0	7	3	32	40
41	0	0	0	0	3	5	7	0	0	2	50
51	27	1	1	0	136	28	6	21	60	2	60
61	4	21	2	9	0	0	0	12	14	2	70
71	5	0	1	0	0	0	0	4	0	0	80
81	0	2	2	0	0	0	0	0	2	0	90
91	0	0	2	0	0	0	0	0	0	1	100
101	0	0	0	6	6	0	0	0	0	0	110
111	0	0	0	0	0	0	5	1	0	0	120
121	0	0	0	1	0	1	0	0	0	0	130
131	1	0	0	0	0	0	2	0	0	0	140
ORIGIN ZONE 52	PURPOSE 1	1160 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	15	5	55	3	0	10
11	0	0	0	0	0	0	27	0	16	0	20
21	0	2	0	7	0	0	5	0	0	0	30
31	0	15	7	5	1	0	3	11	18	90	40
41	0	0	0	0	0	0	16	0	0	0	50
51	0	0	1	3	15	388	18	0	0	54	60
61	9	145	34	35	6	15	12	0	5	0	70
71	0	0	0	0	14	0	3	0	0	6	80
81	0	0	9	14	0	0	0	0	0	0	90
91	0	0	12	0	0	0	0	0	0	0	100
101	0	0	6	0	0	0	0	0	0	0	110
111	0	0	0	0	0	2	6	0	0	0	120
121	0	0	0	0	0	0	1	7	0	0	130
ORIGIN ZONE 52	PURPOSE 1	121 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	0	5	1	0	0	10

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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
11	0	0	0	0	0	0	3	0	5	13	20
21	0	0	0	0	0	0	0	0	0	0	30
31	0	2	3	1	0	0	5	0	0	24	40
41	10	0	0	0	0	0	0	0	0	0	50
51	0	0	0	0	16	105	15	6	10	0	60
61	6	41	10	12	0	0	0	1	0	0	70
71	12	0	0	0	1	0	0	0	0	0	80
91	0	0	3	0	0	0	0	0	0	0	100
ORIGIN ZONE 52	PURPOSE 1	26 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	15	0	0	0	0	0	0	0	0	10
61	0	8	0	5	0	0	0	0	0	0	70
ORIGIN ZONE 52	PURPOSE 4	336 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	15	0	4	0	54	0	18	0	0	10
11	0	0	0	0	0	0	14	0	2	10	20
21	0	0	0	0	0	0	22	0	0	0	30
31	0	0	2	6	12	2	0	38	0	16	40
41	0	0	0	0	2	40	0	0	0	0	50
51	0	0	0	0	0	0	0	2	9	0	60
61	0	7	0	4	0	15	0	5	0	0	70
71	0	0	0	0	0	0	0	0	0	0	80
91	0	0	5	0	0	0	0	0	0	0	100
101	0	0	1	5	2	0	0	0	0	0	110
111	1	0	0	0	0	4	2	1	2	0	120
121	0	0	0	0	0	0	2	2	0	0	130
131	2	0	0	0	0	0	0	0	0	0	140
ORIGIN ZONE 53	PURPOSE 1	773 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	2	0	0	0	12	5	10	0	0	10
11	0	0	0	15	0	0	3	0	3	0	20
21	0	0	0	8	0	0	0	0	0	0	30
31	0	15	6	16	5	0	4	16	0	50	40
41	3	0	0	0	0	0	16	0	0	0	50
51	1	1	2	3	18	196	77	27	0	0	60
61	5	111	27	32	14	0	0	11	0	0	70
71	11	0	0	0	15	5	3	12	0	0	80
81	0	0	0	0	0	0	0	0	0	0	90
131	0	0	0	0	0	0	5	0	0	0	140



ORIGIN ZONE	53	PURPOSE	2	107 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1		0	0	0	0	0	5	0	0	0	0	10	
21		3	0	0	0	0	0	0	0	0	0	30	
31		0	0	0	0	0	0	0	5	0	11	40	
51		0	0	0	0	0	53	14	0	0	0	60	
61		0	5	0	2	0	4	0	0	1	0	70	
91		0	0	0	0	2	0	0	0	0	0	100	
131		0	0	0	0	0	0	1	0	0	0	140	

ORIGIN ZONE	53	PURPOSE	3	26 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1		0	0	0	0	0	0	0	7	0	0	10	
41		0	0	0	8	0	0	0	0	0	0	50	
111		0	0	0	0	0	0	0	4	0	0	120	
121		0	0	0	0	0	7	0	0	0	0	130	

ORIGIN ZONE	53	PURPOSE	4	117 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1		0	3	0	0	0	8	0	0	0	0	10	
11		0	0	0	0	0	0	4	0	0	2	20	
31		0	0	0	8	0	0	0	6	0	0	40	
41		7	0	0	0	0	10	0	0	0	0	50	
51		1	0	0	0	0	40	4	0	2	0	60	
61		8	0	0	0	0	0	0	0	0	0	70	
71		0	0	0	0	4	5	3	0	0	0	80	
91		0	0	0	0	0	0	0	0	2	0	100	

ORIGIN ZONE	54	PURPOSE	1	276 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1		0	0	0	0	0	3	15	2	0	0	10	
11		0	0	0	0	0	0	0	0	0	3	20	
31		0	0	9	0	0	0	0	0	0	5	40	
51		3	3	2	0	0	21	163	0	2	0	60	
61		0	20	5	7	3	0	0	0	0	0	70	
71		0	0	0	0	0	0	3	1	0	0	80	
81		0	0	1	0	0	0	0	0	0	0	90	
91		0	0	1	0	0	0	0	0	0	0	100	
101		0	0	2	0	0	0	0	0	0	0	110	
111		0	0	0	0	0	0	1	0	0	0	120	

ORIGIN ZONE	54	PURPOSE	2	391 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1		0	0	0	0	0	0	5	0	0	0	10	
11		0	0	0	0	0	0	0	0	6	0	20	
31		0	0	0	0	0	0	0	0	0	16	40	
51		1	0	0	0	2	38	248	0	6	0	60	
61		0	18	5	6	11	4	1	4	2	0	70	
71		5	0	0	5	0	1	3	2	0	0	80	
81		1	0	0	0	0	0	0	0	0	0	90	
101		0	0	0	1	0	0	0	0	0	0	110	

ORIGIN ZONE	54	PURPOSE	3	13 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
31		0	7	0	0	0	0	0	0	0	0	40	
51		0	0	0	0	0	0	2	0	0	0	60	
61		0	2	2	0	0	0	0	0	0	0	70	

ORIGIN ZONE	54	PURPOSE	4	112 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1		0	1	0	0	0	0	6	0	0	0	10	
31		0	0	0	0	0	0	0	0	0	6	40	
41		0	0	0	0	0	0	30	0	0	0	50	
51		2	0	0	0	2	1	38	1	2	0	60	
61		2	0	2	0	0	2	0	0	0	2	70	
71		0	0	0	0	0	2	2	0	0	0	80	
81		0	0	2	0	0	0	0	0	0	0	90	
91		0	0	2	0	0	0	0	0	1	1	100	
111		0	0	0	0	0	0	0	1	0	1	120	
131		0	0	1	2	0	0	0	0	0	0	140	

ORIGIN ZONE	55	PURPOSE	1	2899 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1		0	4	1	4	8	35	38	31	2	0	10	
11		0	2	0	11	0	0	17	4	12	25	20	
21		0	7	6	1	0	0	0	0	0	0	30	
31		0	10	7	18	2	1	2	5	0	30	40	
41		0	2	3	12	0	22	42	0	54	74	50	
51		1955	32	20	0	6	20	8	0	1	0	60	
61		0	4	0	1	2	5	0	44	118	11	70	
71		36	0	8	2	29	17	7	3	3	3	80	
81		1	4	2	10	0	0	0	4	0	0	90	



MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
91	0	0	3	0	2	5	0	0	0	0	100
101	0	0	0	3	12	0	0	0	0	0	110
111	2	0	0	0	0	0	9	0	0	0	120
121	0	0	0	0	0	0	4	0	0	0	130
131	3	0	0	0	3	0	2	0	0	0	140
141	0	0	3	0							
ORIGIN ZONE 55	PURPOSE 2	959 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	11	3	1	5	12	7	7	0	0	10
11	0	1	0	0	0	0	3	0	6	13	20
21	0	0	0	0	1	0	0	0	0	0	30
31	0	0	2	6	4	0	0	3	1	16	40
41	1	0	1	5	0	11	0	0	16	11	50
51	495	16	1	4	9	26	5	0	86	10	60
61	0	6	2	1	0	0	0	58	0	4	70
71	15	0	0	0	16	3	2	0	0	0	80
81	0	9	0	0	1	0	0	0	2	0	90
91	2	0	0	0	4	0	0	0	0	0	100
101	0	0	0	0	0	0	4	0	0	0	110
111	0	0	0	0	0	0	2	0	0	0	120
131	0	0	0	0	0	0		0	0	0	140
ORIGIN ZONE 55	PURPOSE 3	141 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
41	0	0	13	0	0	0	0	0	0	0	50
51	114	0	0	0	0	0	0	0	0	0	60
131	0	0	0	0	0	0	14	0	0	0	140
ORIGIN ZONE 55	PURPOSE 4	538 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	3	42	0	4	4	6	9	13	0	0	10
11	0	2	0	0	0	0	1	1	1	4	20
21	3	0	0	1	0	0	1	0	0	0	30
31	0	10	4	0	0	1	1	11	0	15	40
41	3	0	0	6	0	15	18	0	8	16	50
51	135	4	0	0	0	8	3	0	3	0	60
61	5	0	0	0	0	0	0	13	24	5	70
71	16	0	0	0	30	9	10	0	1	9	80
81	0	2	0	10	1	0	0	2	2	0	90
91	0	0	3	0	0	1	0	0	0	0	100

MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
101	0	0	0	3	10	0	0	0	2	0	110
111	0	0	0	0	0	2	2	0	2	0	120
121	0	0	0	2	0	0	0	0	0	0	130
ORIGIN ZONE 56	PURPOSE 1	4125 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	10	0	12	38	109	105	169	14	0	10
11	0	0	2	5	0	0	63	13	17	21	20
21	2	9	17	11	12	3	17	0	0	0	30
31	0	55	45	59	30	2	2	10	0	112	40
41	4	0	4	7	0	35	55	0	22	509	50
51	229	387	200	20	21	401	111	4	12	3	60
61	15	25	6	5	3	12	2	14	330	10	70
71	22	12	4	0	163	133	41	14	6	6	80
81	27	13	17	26	4	0	2	10	0	0	90
91	4	0	42	6	0	18	0	0	0	0	100
101	0	0	3	7	25	0	0	0	0	0	110
111	3	0	0	0	0	12	39	5	9	0	120
121	6	0	0	0	0	0	0	0	0	0	130
131	7	0	2	0	0	4	7	0	0	0	140
141	0	0	1	4							
ORIGIN ZONE 56	PURPOSE 2	1701 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	4	0	0	9	21	15	30	2	0	10
11	0	0	0	1	0	0	22	0	11	13	20
21	6	4	1	6	3	1	7	0	0	0	30
31	0	19	4	12	3	3	0	3	0	35	40
41	1	0	4	2	0	24	12	0	35	74	50
51	74	107	53	38	26	276	149	0	11	0	60
61	31	21	6	6	0	7	3	24	142	5	70
71	21	0	0	0	59	53	10	9	5	9	80
81	18	16	17	11	0	0	4	4	1	0	90
91	10	0	17	0	6	0	0	0	0	0	100
101	0	4	0	6	7	0	0	0	0	0	110
111	0	0	0	0	0	11	16	2	2	0	120
121	0	0	0	0	0	0	0	4	0	0	130
131	2	0	0	0	0	0	2	0	0	0	140
141	0	0	5	0							
ORIGIN ZONE 56	PURPOSE 3	163 TOTAL ORIG/PROD									



MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	15	0	0	10	3	10	9	0	0	10
11	0	0	0	0	0	0	0	0	0	52	20
31	0	6	0	0	0	0	0	0	0	14	40
41	17	0	0	0	3	8	0	0	0	0	50
51	0	0	0	0	0	2	3	0	0	0	60
91	0	0	0	0	0	0	0	0	2	0	100
111	0	0	0	0	0	0	3	2	0	0	120
121	3	0	0	0	0	0	0	0	0	0	130
131	1	0	0	0	0	0	0	0	0	0	140
141	0	0	2	0	0	0	0	0	0	0	140

ORIGIN ZONE 56 PURPOSE 4 1281 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	111	0	9	9	40	17	31	0	0	10
11	0	1	2	13	8	0	25	4	17	22	20
21	2	0	11	4	0	0	7	0	0	0	30
31	0	31	12	42	14	1	0	15	0	32	40
41	16	0	6	4	0	18	46	10	8	40	50
51	28	38	43	3	7	106	35	5	4	3	60
61	5	5	2	2	0	0	0	3	29	0	70
71	0	3	6	0	74	21	5	2	0	0	80
81	8	1	12	13	2	0	4	2	0	0	90
91	0	0	24	2	0	15	3	0	3	0	100
101	0	2	2	11	8	0	0	0	0	0	110
111	5	0	1	2	0	8	25	15	18	0	120
121	3	0	0	0	1	0	0	0	0	3	130
131	15	0	0	2	0	0	6	0	0	5	140
141	0	0	2	1	0	0	0	0	0	0	140

ORIGIN ZONE 57 PURPOSE 1 1831 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	2	0	3	10	9	43	17	9	0	10
11	0	3	0	9	0	0	4	0	6	15	20
21	0	5	11	2	0	2	0	0	0	0	30
31	0	12	6	8	3	0	0	14	0	25	40
41	1	0	0	0	0	18	19	0	0	32	50
51	22	19	72	164	6	112	737	0	12	2	60
61	8	97	23	25	3	7	2	0	27	2	70
71	12	10	2	3	36	12	22	1	1	1	80
81	2	1	4	0	0	0	7	3	0	0	90
91	1	2	11	2	0	3	0	0	0	0	100
101	1	0	0	3	6	0	0	0	0	0	110
111	2	0	0	0	0	2	11	2	1	0	120

MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
131	6	0	6	0	0	0	21	0	1	0	140
141	0	0	6	0	0	0	0	0	0	0	140

ORIGIN ZONE 57 PURPOSE 2 1500 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	1	0	0	0	5	10	0	0	0	10
11	0	0	0	0	0	0	2	0	1	1	20
21	0	0	0	0	0	0	3	0	0	0	30
31	0	1	0	7	0	0	0	9	0	9	40
41	1	0	5	0	0	0	0	8	0	13	50
51	6	16	11	248	5	149	770	0	4	8	60
61	8	48	12	15	0	5	3	3	16	3	70
71	7	3	2	9	0	13	15	0	1	0	80
81	2	0	6	0	0	0	2	2	0	0	90
91	3	0	3	0	0	0	0	0	0	2	100
101	0	1	0	3	2	0	0	0	0	0	110
111	0	0	0	0	0	0	4	2	2	0	120
131	6	0	0	0	0	0	5	0	0	1	140
141	0	0	6	0	0	0	0	0	0	0	140

ORIGIN ZONE 57 PURPOSE 3 296 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	8	0	0	0	11	28	6	0	0	10
11	0	0	0	5	0	3	0	0	0	137	20
21	0	11	0	0	0	0	0	0	0	0	30
31	0	0	0	0	0	0	14	0	0	0	40
41	0	0	0	0	0	0	11	0	0	0	50
51	0	0	0	2	0	3	19	0	0	0	60
61	0	4	1	2	0	0	0	0	0	2	70
81	0	0	1	0	0	0	0	0	0	0	90
91	0	0	1	0	0	0	0	0	0	0	100
111	0	0	0	0	0	0	5	0	0	0	120
121	3	0	0	0	0	0	0	0	0	0	130
131	0	0	0	0	0	0	19	0	0	0	140

ORIGIN ZONE 57 PURPOSE 4 529 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	3	0	0	2	6	2	0	0	0	10
11	0	0	0	0	0	0	4	0	5	4	20
21	0	1	0	0	0	1	1	0	0	0	30
31	0	5	0	11	5	0	0	4	1	6	40



MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
41	0	0	0	3	0	7	5	0	2	1	50
51	0	0	2	39	3	34	178	1	0	1	60
61	3	20	5	9	2	4	0	7	5	4	70
71	4	10	1	3	14	0	4	0	0	2	80
81	0	0	2	4	0	0	0	2	0	0	90
91	0	0	9	0	1	1	1	0	0	0	100
101	0	4	3	1	4	0	0	2	0	0	110
111	2	0	0	0	0	3	8	0	0	0	120
121	2	0	0	0	0	0	0	0	0	1	130
131	12	2	0	0	0	0	20	0	0	0	140
141	0	0	3	0	0	0	0	0	0	0	140

ORIGIN ZONE	58	PURPOSE	1	766 TOTAL ORIG/PROD								
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1		0	5	0	0	4	4	17	28	0	0	10
11		0	0	0	0	0	0	11	0	6	9	20
21		3	2	0	0	0	0	1	0	0	0	30
31		0	23	9	1	0	2	0	4	0	12	40
41		0	0	2	0	0	0	27	0	5	13	50
51		155	5	27	0	0	4	0	0	0	0	60
61		0	0	0	0	0	0	0	31	152	27	70
71		29	4	0	0	27	5	17	5	2	1	80
81		4	0	7	10	0	0	4	4	1	0	90
91		0	0	9	2	0	5	3	0	0	0	100
101		0	0	2	1	6	0	2	0	0	0	110
111		3	0	0	0	0	4	15	0	0	0	120
131		3	0	0	0	0	0	2	0	0	0	140

ORIGIN ZONE	58	PURPOSE	2	380 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1	0	2	0	0	4	0	5	6	2	0	10	
11	0	0	0	0	1	0	3	0	3	5	20	
21	1	0	0	0	0	0	0	0	0	0	30	
31	0	1	2	2	6	0	0	0	2	4	40	
41	2	0	1	0	0	2	3	0	1	8	50	
51	47	5	1	0	0	0	0	0	0	0	60	
61	0	0	0	0	0	0	0	58	93	27	70	
71	22	0	7	0	5	7	1	2	0	1	80	
81	5	0	0	6	0	0	1	0	1	0	90	
91	0	0	7	0	0	0	0	0	0	0	100	
101	0	0	0	0	1	0	0	0	0	0	110	
111	0	0	0	0	0	0	1	0	0	0	120	
131	5	0	0	0	0	0	0	0	0	0	140	

MATRIX MULTIPLICATION

ORIGIN ZONE	58	PURPOSE	3	55 TOTAL ORIG/PROD								
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
51		55	0	0	0	0	0	0	0	0	0	60

ORIGIN ZONE	58	PURPOSE	4	101 TOTAL ORIG/PROD								
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1		0	5	0	0	0	6	2	0	0	0	10
11		0	0	0	0	0	0	2	0	2	9	20
31		0	1	0	10	1	0	0	3	0	4	40
41		2	0	0	0	0	0	6	0	0	9	50
51		21	0	0	3	0	4	1	0	0	0	60
61		0	1	0	0	0	0	0	16	21	8	70
71		0	0	0	0	10	0	0	0	0	2	80
81		4	5	0	0	3	0	0	3	0	0	90
91		0	0	1	0	0	2	0	0	0	0	100
101		0	2	0	0	2	0	0	0	0	0	110
111		2	0	0	0	0	0	0	2	1	0	120
121		2	0	1	0	0	0	0	0	0	0	130
131		2	0	0	0	0	0	0	0	0	0	140

ORIGIN ZONE	59.	PURPOSE	1	3116 TOTAL ORIG/PROD							
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	5	0	0	10	31	49	79	0	0	10
11	0	0	0	1	0	0	12	0	1	21	20
21	1	5	0	0	0	0	0	0	0	0	30
31	0	21	7	17	10	2	0	2	0	21	40
41	2	0	3	0	0	10	32	3	29	54	50
51	274	0	0	1	1	13	10	0	6	0	60
61	0	2	0	2	1	1	0	274	1214	65	70
71	147	12	8	17	108	60	17	11	3	2	80
81	42	29	19	47	1	2	6	17	7	0	90
91	0	0	63	1	2	17	0	0	5	3	100
101	1	2	11	11	29	0	1	0	0	0	110
111	0	0	0	0	0	20	46	1	6	0	120
121	3	2	0	0	0	0	0	0	0	0	130
131	4	0	2	0	0	0	5	0	0	0	140
141	0	0	6	0							

ORIGIN ZONE	59	PURPOSE	2	1568 TOTAL ORIG/PROD							
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	2	3	0	4	6	4	6	0	0	10



TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
11	0	5	0	0	0	0	8	0	8	5	20
21	2	0	3	0	2	0	0	0	0	0	30
31	0	11	0	3	2	0	0	3	0	9	40
41	2	0	1	0	0	5	8	0	16	11	50
51	69	8	0	0	3	12	3	0	0	0	60
61	0	3	1	1	0	0	2	364	359	53	70
71	127	10	2	2	27	27	0	6	5	4	80
81	32	13	3	5	2	1	3	7	5	0	90
91	0	2	24	2	0	10	8	0	4	0	100
101	0	0	0	4	1	0	0	4	0	0	110
111	0	0	0	2	0	2	7	2	2	1	120
121	0	0	0	0	0	0	1	0	0	0	130
131	7	0	0	0	0	0	1	0	0	0	140

ORIGIN ZONE 59 PURPOSE 3 78 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	15	0	0	13	0	8	5	0	0	10
11	0	0	0	0	0	0	20	8	5	3	20
31	0	0	0	6	0	0	0	0	0	0	40
61	0	2	1	1	0	0	0	0	0	0	70
81	0	0	0	0	0	0	0	2	0	0	90
101	0	0	0	0	4	0	0	0	0	0	110
121	1	0	0	0	0	0	0	0	0	0	130

ORIGIN ZONE 59 PURPOSE 4 1506 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	4	51	1	8	7	21	9	14	2	0	10
11	0	1	1	3	2	0	12	0	3	14	20
21	3	0	8	1	0	1	0	0	0	0	30
31	0	9	0	24	18	1	1	10	0	47	40
41	15	0	0	7	0	27	121	0	5	13	50
51	62	0	2	2	2	4	0	0	17	0	60
61	0	0	0	0	6	8	0	135	146	54	70
71	72	10	6	3	42	61	20	1	9	32	80
81	9	9	11	31	3	1	0	8	0	0	90
91	0	2	41	0	0	26	4	1	3	0	100
101	3	0	1	12	8	0	5	0	0	0	110
111	9	0	0	0	0	10	34	51	37	0	120
121	8	0	0	2	0	0	1	0	0	4	130
131	12	0	3	2	0	0	0	0	0	0	140

ORIGIN ZONE 60 PURPOSE 1 756 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	5	7	29	22	97	6	0	10
11	0	0	0	4	0	0	11	0	0	0	20
21	0	3	0	2	0	0	4	0	0	0	30
31	0	11	6	12	6	0	2	0	2	27	40
41	12	0	0	0	0	0	10	0	0	78	50
51	22	50	0	0	0	4	3	0	0	8	60
61	0	1	0	0	0	5	0	24	111	5	70
71	12	0	0	0	58	16	6	3	0	0	80
81	2	0	0	6	0	0	1	0	0	0	90
91	0	0	27	0	0	0	3	0	3	0	100
101	0	0	0	3	11	0	0	0	0	0	110
111	0	0	0	0	0	2	8	0	1	0	120
131	3	0	0	0	0	0	0	0	0	0	140

ORIGIN ZONE 60 PURPOSE 2 190 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	3	3	2	15	0	0	10
11	0	0	0	0	0	0	6	0	0	0	20
31	0	0	0	5	2	0	0	0	0	8	40
41	0	0	0	0	0	0	0	0	5	29	50
51	6	0	0	0	0	0	9	0	0	9	60
61	0	0	0	0	0	0	0	12	27	4	70
71	0	0	0	5	5	9	0	0	0	0	80
81	7	0	1	1	0	0	2	1	0	0	90
91	0	0	1	0	2	0	0	0	0	0	100
101	0	0	1	1	3	0	0	0	0	0	110
111	0	0	0	0	0	3	3	0	0	0	120

ORIGIN ZONE 60 PURPOSE 3 11 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	5	0	0	0	0	0	0	0	0	10
11	0	0	0	0	0	0	3	0	0	0	20
91	0	0	0	0	0	3	0	0	0	0	100

ORIGIN ZONE 60 PURPOSE 4 146 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	3	8	0	0	0	4	2	7	0	0	10
11	0	0	0	3	0	0	4	0	0	0	20
21	7	0	0	1	0	0	0	0	0	0	30
31	0	0	0	4	6	0	0	0	0	4	40
41	2	0	0	0	0	0	8	0	0	10	50



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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
51	0	0	0	0	0	5	0	0	0	7	60
61	0	3	1	0	0	0	0	0	4	0	70
71	0	0	0	0	19	15	0	0	0	2	80
91	0	0	0	0	0	2	0	0	0	0	100
101	0	0	0	4	2	0	0	0	0	0	110
111	0	0	0	0	0	0	2	1	2	0	120
121	0	2	0	0	0	0	0	0	0	0	130
ORIGIN ZONE 61	PURPOSE 1	226 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	7	12	3	0	0	0	10
11	0	4	0	0	0	0	0	0	0	0	20
21	0	2	0	2	0	0	0	0	0	0	30
31	0	0	0	2	0	0	0	0	0	0	40
41	0	0	0	0	0	0	0	0	32	12	50
51	10	9	5	0	0	15	8	0	0	0	60
61	0	0	0	0	1	0	0	3	10	2	70
71	3	0	0	0	20	11	11	5	0	0	80
81	0	4	0	0	0	0	0	0	0	0	90
91	0	0	2	0	0	0	0	0	0	0	100
101	0	0	0	1	3	0	0	0	0	0	110
111	0	0	0	0	0	0	2	0	0	0	120
131	4	0	0	0	0	0	0	0	0	0	140
ORIGIN ZONE 61	PURPOSE 2	103 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
11	0	0	0	0	0	0	0	0	3	0	20
31	0	1	1	0	0	0	0	0	0	0	40
41	0	0	0	0	0	1	0	0	0	3	50
51	7	8	0	0	0	31	7	0	0	0	60
61	0	0	0	0	0	0	0	0	6	0	70
71	2	0	0	0	14	5	2	1	1	0	80
91	0	0	2	0	0	0	0	0	0	0	100
101	0	0	0	0	2	0	0	0	0	0	110
131	0	0	0	0	0	0	6	0	0	0	140
ORIGIN ZONE 61	PURPOSE 3	13 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
131	0	0	0	0	0	5	0	0	0	0	140
141	0	0	0	0	0	0	0	0	0	0	140

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ORIGIN ZONE 61	PURPOSE 4	85 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	4	0	0	0	0	0	0	0	0	0	10
11	0	0	0	0	0	0	0	0	1	2	20
21	0	0	2	0	0	0	0	0	0	0	30
31	0	0	0	0	0	0	0	0	0	2	40
41	0	0	0	0	0	2	0	0	0	6	50
51	4	0	10	2	6	4	3	0	0	0	60
61	0	0	0	0	0	0	0	0	2	0	70
71	0	0	0	0	0	19	5	3	0	0	80
91	0	0	0	0	0	0	0	0	0	2	100
101	0	0	0	0	2	0	0	0	0	0	110
131	2	0	0	2	0	0	0	0	0	0	140
ORIGIN ZONE 62	PURPOSE 1	12074 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	43	2	6	78	287	326	610	25	0	10
11	2	6	0	28	0	0	192	2	29	75	20
21	7	16	7	6	2	10	18	0	0	0	30
31	0	133	71	138	33	10	8	23	4	201	40
41	17	2	14	8	2	64	129	10	104	489	50
51	535	148	109	22	4	24	97	0	2	1	60
61	0	105	23	27	2	11	0	234	1973	67	70
71	372	12	51	37	1787	1274	289	165	73	29	80
81	77	69	66	105	8	1	31	10	6	7	90
91	13	9	203	3	10	55	9	2	20	0	100
101	5	12	15	40	151	0	0	0	0	0	110
111	17	0	0	2	0	29	173	20	0	3	120
121	16	3	0	1	1	0	6	1	0	6	130
131	45	0	24	9	3	19	48	2	0	0	140
141	0	0	13	2	0	0	0	0	0	0	140
ORIGIN ZONE 62	PURPOSE 2	2034 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	13	0	5	9	18	19	51	4	0	10
11	0	2	0	3	3	0	19	1	14	16	20
21	3	7	2	2	1	1	4	0	0	0	30
31	0	15	9	14	7	0	0	6	1	31	40
41	2	0	2	1	0	7	20	0	5	50	50
51	79	39	6	18	4	22	47	0	3	0	60
61	0	33	9	9	1	8	0	183	587	40	70
71	161	6	10	18	409	255	62	34	21	13	80
81	42	46	21	28	4	2	4	4	0	1	90



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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
91	9	2	48	6	3	10	3	0	1	0	100
101	2	1	1	7	31	0	1	0	0	0	110
111	5	0	0	0	0	6	34	2	1	0	120
121	1	0	0	0	0	1	3	3	0	1	130
131	18	0	1	2	0	1	28	0	0	2	140
141	0	0	4	0	0	0	0	0	0	0	0

ORIGIN ZONE 62 PURPOSE 3 556 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	15	0	4	6	28	46	39	0	0	10
11	0	0	0	0	0	0	9	10	0	3	20
21	0	0	0	6	0	0	0	19	0	0	30
31	0	5	0	5	0	0	26	4	0	10	40
41	20	0	5	0	0	0	0	0	0	33	50
51	7	0	0	2	0	0	4	0	2	0	60
61	0	0	0	0	0	0	0	0	5	0	70
71	0	0	0	0	8	15	4	2	0	0	80
81	0	3	2	0	0	0	0	0	0	0	90
91	0	0	2	0	0	0	0	0	0	0	100
101	0	0	6	0	14	0	0	0	0	0	110
111	0	0	0	0	0	17	50	2	0	0	120
121	0	0	0	0	0	2	0	8	0	4	130
131	0	0	0	5	0	19	75	0	0	0	140
141	0	0	5	0	0	0	0	0	0	0	0

ORIGIN ZONE 62 PURPOSE 4 1601 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	1	72	0	11	5	31	19	34	2	0	10
11	0	4	0	2	1	1	42	2	20	8	20
21	23	2	1	17	2	6	2	0	0	0	30
31	2	16	6	30	25	0	2	15	0	40	40
41	13	0	5	4	5	15	23	0	4	57	50
51	24	6	0	0	0	6	19	1	0	3	60
61	0	7	2	4	0	0	0	28	107	3	70
71	10	0	0	3	162	84	38	32	2	9	80
81	19	10	16	34	4	0	6	4	1	5	90
91	2	2	57	0	1	22	4	0	3	2	100
101	2	5	15	21	31	1	2	0	2	0	110
111	12	0	0	0	0	24	55	25	16	6	120
121	7	1	0	1	0	1	1	0	0	4	130
131	19	1	1	1	2	3	22	0	0	0	140
141	0	0	5	0	0	0	0	0	0	0	0

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ORIGIN ZONE 63 PURPOSE 1 2708 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	10	0	2	17	64	73	134	6	0	10
11	0	0	0	7	0	0	43	2	5	17	20
21	2	6	0	0	2	3	4	0	0	0	30
31	0	29	16	31	7	4	1	5	2	44	40
41	5	0	2	2	0	15	20	0	24	110	50
51	123	32	27	4	1	5	21	0	2	0	60
61	0	23	5	6	0	2	0	55	439	16	70
71	84	2	12	8	400	284	65	37	16	6	80
81	18	16	15	24	1	0	6	2	3	1	90
91	3	0	46	0	2	12	3	0	4	1	100
101	0	5	3	8	35	0	0	0	0	0	110
111	4	0	0	1	0	6	37	7	0	2	120
121	4	0	0	0	0	0	2	0	0	1	130
131	9	0	6	3	0	3	14	0	0	0	140
141	0	0	2	0	0	0	0	0	0	0	0

ORIGIN ZONE 63 PURPOSE 2 756 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	3	0	3	1	5	5	14	0	0	10
11	0	0	0	2	0	0	5	1	4	4	20
21	1	1	1	2	0	1	1	0	0	0	30
31	0	3	2	4	2	1	0	2	1	6	40
41	2	0	0	0	0	2	5	0	1	15	50
51	19	11	0	5	2	6	13	0	1	0	60
61	0	7	4	2	0	3	0	48	156	10	70
71	44	1	3	5	107	69	15	10	5	5	80
81	9	13	5	8	0	1	1	1	0	1	90
91	2	0	14	1	1	4	0	0	1	0	100
101	0	0	0	3	8	0	0	1	0	0	110
111	1	0	0	0	0	2	0	1	1	0	120
121	0	1	0	0	0	0	0	1	0	0	130
131	4	0	0	1	0	1	6	0	0	0	140
141	0	0	3	0	0	0	0	0	0	0	0

ORIGIN ZONE 63 PURPOSE 3 157 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	5	0	3	0	7	13	10	0	0	10
11	0	0	0	0	0	0	3	0	0	0	20
21	0	0	0	0	0	0	0	6	0	0	30
31	0	6	0	0	0	0	4	6	0	0	40
41	4	0	6	0	0	0	0	0	0	4	50



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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
51	0	9	0	0	0	0	2	0	1	0	60
71	0	0	0	0	4	2	2	2	0	0	80
81	0	1	0	0	0	0	0	0	0	0	90
91	0	0	2	0	0	0	0	0	0	0	100
101	0	0	1	0	4	0	0	0	0	0	110
111	0	0	0	0	0	2	14	4	0	0	120
121	0	0	0	0	0	0	0	2	0	2	130
131	0	0	0	1	0	5	20	0	0	0	140
ORIGIN ZONE 63 PURPOSE 4 488 TOTAL ORIG/PROD											
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	25	0	1	1	11	5	11	0	0	10
11	0	2	0	1	0	0	12	0	6	4	20
21	5	0	0	5	1	3	0	0	0	0	30
31	1	4	1	10	6	1	0	5	0	11	40
41	5	0	1	1	2	4	8	0	2	18	50
51	4	1	0	1	0	2	6	0	0	0	60
61	0	3	0	2	0	0	0	7	32	2	70
71	3	0	0	1	49	27	11	9	1	4	80
81	5	3	4	12	0	0	2	2	0	3	90
91	0	1	16	0	2	6	1	0	2	1	100
101	0	3	5	5	11	0	0	0	0	0	110
111	4	0	0	0	0	7	17	8	5	1	120
121	3	0	0	2	0	0	0	0	0	1	130
131	5	0	2	0	1	0	8	0	0	0	140
141	0	0	2	0	0	0	0	0	0	0	140
ORIGIN ZONE 64 PURPOSE 1 3254 TOTAL ORIG/PROD											
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	13	0	0	23	76	89	164	6	0	10
11	0	4	0	7	0	0	51	1	9	19	20
21	2	4	2	0	2	4	3	0	0	0	30
31	0	17	20	17	9	2	6	2	2	54	40
41	3	2	4	1	0	19	35	0	29	131	50
51	145	16	15	5	1	7	25	0	2	0	60
61	0	26	7	7	3	3	63	530	18	7	70
71	99	3	13	10	480	342	77	45	20	7	80
81	21	19	17	20	2	0	10	2	3	1	90
91	0	5	55	1	2	14	3	2	4	2	100
101	0	3	5	12	38	0	0	0	0	0	110
111	5	0	0	0	0	9	48	5	1	2	120
121	5	0	0	0	0	0	2	1	0	2	130
131	12	0	6	3	0	5	10	4	0	0	140

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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
141	0	0	4	0							
ORIGIN ZONE 64 PURPOSE 2 843 TOTAL ORIG/PROD											
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	4	0	2	2	6	6	15	0	0	10
11	0	0	0	2	0	0	7	0	4	5	20
21	1	2	1	0	1	0	1	0	0	0	30
31	0	5	3	3	2	2	0	1	1	8	40
41	0	0	0	1	1	4	5	0	0	16	50
51	23	11	2	8	2	5	15	0	1	0	60
61	0	9	3	3	1	2	0	55	174	11	70
71	48	2	3	6	121	74	20	10	7	2	80
81	12	13	7	8	2	0	2	0	1	0	90
91	3	0	15	1	1	4	1	0	0	0	100
101	0	0	0	3	9	0	1	0	0	0	110
111	2	0	0	0	0	2	9	1	0	0	120
121	1	1	0	0	0	0	0	1	0	0	130
131	4	0	1	0	0	0	6	0	0	2	140
141	0	0	1	0	0						
ORIGIN ZONE 64 PURPOSE 3 187 TOTAL ORIG/PROD											
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	5	0	3	0	7	18	14	0	0	10
11	0	0	0	0	0	0	0	5	0	0	20
21	0	0	0	0	0	0	0	5	0	0	30
31	0	0	0	0	0	0	10	0	0	3	40
41	7	0	0	0	0	0	0	0	0	11	50
51	0	8	0	0	0	0	2	0	1	0	60
61	0	0	0	0	6	2	2	0	0	1	70
71	0	1	0	0	0	0	0	0	0	0	80
81	0	0	3	0	0	0	0	0	0	0	90
91	0	0	0	0	0	0	0	0	0	0	100
101	0	0	3	0	3	0	0	0	0	0	110
111	0	0	0	0	0	2	17	3	0	0	120
121	0	0	0	0	0	0	0	2	0	2	130
131	0	0	0	3	0	3	31	0	0	0	140
141	0	0	3	0	0						
ORIGIN ZONE 64 PURPOSE 4 620 TOTAL ORIG/PROD											
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	10	0	3	4	12	7	13	2	0	10
11	0	1	0	0	0	0	17	1	8	4	20



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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
21	9	0	0	5	1	3	0	0	0	0	30
31	1	6	3	11	10	0	1	7	0	16	40
41	4	0	2	1	2	5	10	0	1	23	50
51	7	4	0	0	0	1	9	0	0	1	60
61	0	2	2	0	0	0	0	13	41	2	70
71	3	2	0	1	63	32	14	13	1	3	80
81	9	2	7	13	2	0	2	2	0	2	90
91	2	2	20	0	0	10	2	0	2	0	100
101	0	2	6	9	11	0	0	0	0	0	110
111	4	0	0	2	0	8	20	11	6	2	120
121	4	0	0	1	0	0	1	0	0	1	130
131	6	2	0	0	2	2	10	0	0	0	140
141	0	0	2	0							

ORIGIN ZONE	65	PURPOSE	1	502 TOTAL ORIG/PROD							
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	4	8	0	5	0	0	10
11	0	0	0	5	0	0	6	0	0	6	20
21	0	3	0	0	2	0	4	0	0	0	30
31	0	0	3	0	3	0	0	5	0	4	40
41	0	0	0	3	0	0	0	0	0	4	50
51	9	9	16	3	2	2	3	0	2	0	60
61	1	2	0	1	7	1	0	19	77	1	70
71	28	2	0	2	108	70	7	9	3	0	80
81	4	0	6	8	0	0	0	0	0	0	90
91	0	0	4	1	2	0	0	0	0	0	110
101	0	0	0	0	0	1	3	0	0	0	120
111	3	0	0	0	0	6	0	0	0	0	140
131	6	2	0	0	0						
141	0	3	2	0							

ORIGIN ZONE	65	PURPOSE	2	233 TOTAL ORIG/PROD							
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
11	0	3	0	0	0	0	1	0	2	0	20
21	0	1	0	0	0	0	0	0	0	0	30
31	2	6	0	1	0	0	0	0	0	4	40
51	8	0	0	11	0	0	0	0	0	0	60
61	0	2	0	1	11	2	0	0	46	2	70
71	15	1	2	3	29	34	18	2	1	3	80
81	2	0	0	3	0	0	0	0	0	0	90
91	0	0	7	0	0	0	0	0	0	0	100
101	0	0	0	4	0	0	0	0	0	0	110
111	0	0	0	0	0	0	1	0	0	0	120
131	1	0	0	0	0	0	0	0	0	0	140

MATRIX MULTIPLICATION

ORIGIN ZONE	65	PURPOSE	3	13 TOTAL ORIG/PROD							
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
41	0	0	0	13	0	0	0	0	0	0	50

ORIGIN ZONE	65	PURPOSE	4	119 TOTAL ORIG/PROD							
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	9	0	4	0	4	0	1	0	0	10
11	0	0	0	0	0	0	3	0	5	1	20
21	7	0	0	0	0	0	0	0	0	0	30
31	0	2	0	5	0	0	0	0	0	0	40
41	0	0	0	0	0	0	9	0	0	6	50
51	0	0	0	0	0	0	2	0	5	0	60
61	0	0	0	0	0	0	0	0	14	0	70
71	0	0	0	2	6	19	0	0	4	0	80
81	0	0	4	0	0	0	0	0	0	0	90
111	0	0	0	0	0	0	3	0	0	0	120
131	0	0	0	0	0	0	4	0	0	0	140

ORIGIN ZONE	66	PURPOSE	1	2208 TOTAL ORIG/PROD							
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	5	0	0	0	10	7	21	0	0	10
11	0	0	0	0	0	5	6	0	4	20	20
21	0	4	2	5	0	0	0	0	0	0	30
31	0	3	0	13	0	0	1	0	0	5	40
41	2	0	0	0	0	17	9	0	0	22	50
51	27	0	0	2	6	12	8	0	1	5	60
61	0	10	2	4	1	121	0	46	237	4	70
71	113	6	5	12	786	376	88	45	18	2	80
81	6	0	11	1	2	0	2	0	3	0	90
91	3	0	16	0	0	3	1	0	0	0	100
101	0	0	1	0	10	0	0	0	0	0	110
111	0	0	0	0	0	1	14	0	1	0	120
121	2	0	1	0	0	0	0	0	0	0	130
131	8	0	2	2	1	4	4	0	0	0	140
141	0	1	2	0							

ORIGIN ZONE	66	PURPOSE	2	982 TOTAL ORIG/PROD							
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	5	0	0	1	0	2	2	0	0	10
11	0	0	0	0	0	0	9	0	0	2	20
31	0	3	1	0	0	3	0	2	0	1	40



TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
41	0	0	1	0	0	0	0	0	0	0	50
51	6	0	4	1	0	6	6	0	0	0	60
61	0	7	3	2	3	62	0	55	95	9	70
71	43	1	5	4	333	197	18	17	16	6	80
81	0	2	5	3	2	0	1	0	0	1	90
91	5	2	3	0	1	3	0	0	0	0	100
101	0	0	0	3	5	0	0	0	0	0	110
111	4	0	0	0	0	1	5	0	0	0	120
131	1	0	0	0	0	0	2	0	0	0	140

ORIGIN ZONE 66 PURPOSE 3 70 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
41	0	0	5	0	0	0	0	0	0	0	50
71	0	0	0	0	11	38	1	0	0	0	80
111	0	0	0	0	0	0	0	0	4	0	120
131	11	0	0	0	0	0	0	0	0	0	140

ORIGIN ZONE 66 PURPOSE 4 475 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	11	0	2	0	5	2	4	0	0	10
11	1	0	0	0	0	0	0	0	2	1	20
21	0	0	0	9	0	0	1	0	0	0	30
31	0	3	0	6	2	0	0	4	0	3	40
41	4	0	4	0	0	9	8	0	0	0	50
51	3	0	0	0	0	0	3	0	8	0	60
61	0	0	0	0	0	12	0	6	18	0	70
71	18	0	3	0	134	125	5	8	0	2	80
81	0	0	0	6	2	0	0	0	0	3	90
91	0	0	3	0	0	2	1	0	0	0	100
101	0	0	0	2	12	0	0	1	0	0	110
111	2	0	0	0	0	6	7	2	1	0	120
121	0	0	1	0	0	0	0	0	0	0	130
131	0	0	2	0	0	0	0	0	0	0	140

ORIGIN ZONE 67 PURPOSE 1 986 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	4	1	8	9	0	0	10
11	0	0	0	0	0	0	8	0	0	2	20
21	4	3	0	0	0	0	2	0	0	0	30
31	0	14	0	5	0	0	0	0	0	6	40
51	8	20	0	0	0	2	2	0	0	0	60

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
61	0	0	0	0	0	0	14	68	305	4	70
71	53	1	10	0	115	68	4	8	0	5	80
81	79	21	12	41	0	0	0	3	1	0	90
91	0	0	34	0	0	13	0	0	2	0	100
101	0	0	4	14	16	0	0	0	0	0	110
111	1	0	0	0	0	5	26	1	0	0	120
121	1	0	0	2	0	0	0	0	0	0	130
131	6	0	0	0	0	0	0	0	0	0	140
141	0	0	1	0	0	0	0	0	0	0	140

ORIGIN ZONE 67 PURPOSE 2 503 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	4	0	3	0	0	10
11	0	0	0	0	0	0	2	0	0	1	20
21	4	0	0	0	0	0	0	0	0	0	30
31	0	0	0	0	0	1	0	3	0	1	40
51	5	0	0	3	0	3	3	0	1	0	60
61	0	0	0	0	0	0	4	58	180	13	70
71	34	3	6	0	43	20	7	5	0	0	80
81	1	2	6	11	2	0	0	0	0	0	90
91	2	0	17	0	1	5	0	1	0	2	100
101	0	1	3	3	22	0	0	0	0	0	110
111	0	0	0	0	0	1	3	0	0	0	120
131	2	0	0	2	0	0	8	0	0	0	140
141	1	0	0	0	0	0	0	0	0	0	140

ORIGIN ZONE 67 PURPOSE 3 36 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
61	0	0	0	0	0	0	0	0	7	0	70
111	0	0	0	0	0	2	0	0	0	0	120
131	0	0	0	0	0	7	20	0	0	0	140

ORIGIN ZONE 67 PURPOSE 4 381 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	3	0	4	0	0	4	2	0	0	10
11	0	0	0	2	0	0	6	0	0	0	20
21	3	2	0	1	0	0	0	0	0	0	30
31	0	9	0	9	0	0	0	0	0	2	40
41	0	0	0	0	0	3	10	0	0	0	50
51	0	0	0	2	0	0	1	0	0	0	60
61	0	0	0	0	0	0	0	8	72	3	70



MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
71	9	2	0	0	26	22	20	2	5	1	80
81	10	3	0	14	0	0	0	4	0	0	90
91	2	0	24	0	0	8	1	0	2	0	100
101	0	0	5	14	8	0	0	2	0	0	110
111	2	0	0	0	0	12	16	8	5	1	120
121	0	0	0	2	0	1	0	0	0	0	130
131	3	0	0	1	0	0	0	0	0	0	140
ORIGIN ZONE 68	PURPOSE 1	1271 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	2	2	0	0	9	17	7	8	0	10
11	0	0	0	0	0	0	15	0	7	8	20
21	2	0	1	8	0	0	0	0	0	0	30
31	0	0	3	4	0	0	0	0	0	7	40
41	0	0	0	2	0	0	23	0	0	14	50
51	14	3	9	0	43	13	0	31	276	23	60
61	4	234	55	63	19	48	68	58	34	1	70
71	0	1	0	0	2	2	0	8	0	9	80
81	13	13	26	14	4	0	0	0	4	0	90
91	0	4	13	0	0	1	0	0	0	0	100
101	0	2	0	2	3	0	0	0	0	0	110
111	0	0	0	0	0	0	5	0	0	0	120
131	8	0	0	0	0	2	0	0	0	0	140
ORIGIN ZONE 68	PURPOSE 2	1274 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	3	0	0	1	4	0	0	6	0	10
11	0	0	0	0	0	0	0	0	0	7	20
21	0	0	0	0	1	0	0	0	0	0	30
31	0	1	0	6	1	0	0	2	0	2	40
41	1	0	0	0	0	3	1	0	1	0	50
51	5	1	0	3	58	24	2	68	366	12	60
61	0	185	48	54	0	57	60	122	23	3	70
71	6	0	0	0	0	3	0	4	8	21	80
81	10	26	0	19	8	5	4	5	5	0	90
91	2	2	3	0	0	2	0	0	0	0	100
101	1	0	0	2	1	0	0	0	0	0	110
111	0	0	0	0	0	0	0	2	2	0	120
131	3	0	0	0	0	0	0	0	0	0	140
141	0	0	1	0	0	0	0	0	0	0	140
ORIGIN ZONE 68	PURPOSE 3	45 TOTAL ORIG/PROD									

MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	5	0	0	0	0	0	0	0	0	10
11	0	0	0	0	0	0	36	0	0	0	20
51	0	0	0	0	0	0	0	2	2	0	60
ORIGIN ZONE 68	PURPOSE 4	422 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	4	0	0	3	4	4	2	0	0	10
11	0	0	0	0	0	0	4	0	2	3	20
21	23	0	0	0	0	0	0	0	0	0	30
31	0	6	6	4	10	2	0	2	0	0	40
41	0	0	0	0	0	2	0	0	0	0	50
51	8	1	0	0	13	3	7	17	133	0	60
61	0	30	5	13	0	9	8	22	5	3	70
71	2	0	0	1	0	0	0	0	0	6	80
81	2	0	6	0	0	0	0	0	6	0	90
91	0	0	3	0	0	0	0	0	0	0	100
101	3	0	0	7	1	0	2	0	0	0	110
111	0	0	0	0	0	1	6	1	1	0	120
131	1	0	2	0	6	0	0	0	0	0	140
ORIGIN ZONE 69	PURPOSE 1	8498 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	13	0	6	42	137	130	246	7	0	10
11	0	2	0	3	0	0	108	13	7	34	20
21	22	4	10	8	4	0	9	1	0	0	30
31	0	49	21	38	29	4	4	3	0	82	40
41	4	0	2	4	0	15	45	0	15	131	50
51	57	3	0	1	116	334	27	152	1214	112	60
61	10	1971	441	531	74	236	304	35	66	20	70
71	5	0	1	1	26	20	3	4	0	45	80
81	174	230	170	197	25	12	53	5	4	10	90
91	14	8	144	5	4	29	6	1	17	3	100
101	0	3	14	28	78	0	0	0	0	0	110
111	9	0	0	0	0	77	60	6	4	0	120
121	6	0	0	0	0	0	4	3	1	5	130
131	28	0	3	4	3	3	28	0	0	1	140
141	0	0	8	0	0	0	0	0	0	0	140
ORIGIN ZONE 69	PURPOSE 2	1454 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	8	0	3	5	23	22	17	0	0	10



TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
11	0	0	0	0	0	0	17	0	12	31	20
21	4	1	6	0	1	0	1	0	0	0	30
31	0	9	0	9	0	2	0	4	0	23	40
41	3	2	4	4	2	1	2	1	0	18	50
51	17	0	1	2	86	140	17	92	561	29	60
61	5	588	156	174	46	94	179	23	45	5	70
71	4	2	0	0	15	2	8	12	9	65	80
81	206	145	135	95	0	0	82	6	4	4	90
91	7	0	43	0	1	10	0	0	0	3	100
101	3	0	4	12	19	0	2	0	0	0	110
111	0	0	0	0	0	2	19	4	2	0	120
121	3	0	0	0	2	1	0	1	0	0	130
131	8	0	2	11	0	2	0	0	0	0	140
141	0	0	4	0	0	0	0	0	0	0	140

ORIGIN ZONE 69 PURPOSE 3 221 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	15	0	0	0	18	8	12	0	0	10
11	0	0	0	0	0	0	5	0	0	0	20
21	0	0	3	0	0	0	0	0	0	0	40
31	0	0	4	0	0	0	0	0	0	0	50
41	0	4	2	0	0	0	7	0	0	0	70
51	2	0	9	0	0	0	0	0	0	0	90
61	0	0	0	0	2	3	0	0	0	0	100
71	0	0	0	0	1	0	0	0	0	0	110
81	9	0	0	0	0	2	19	0	0	0	120
91	0	0	0	0	0	8	76	0	0	0	140
101	4	0	8	0	0	0	0	0	0	0	140

ORIGIN ZONE 69 PURPOSE 4 1736 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	57	0	12	12	19	28	31	1	0	10
11	0	0	0	4	0	0	25	9	9	18	20
21	12	2	0	17	3	0	1	0	0	0	30
31	0	29	11	30	9	1	0	10	0	36	40
41	0	0	8	4	2	14	27	0	0	25	50
51	14	12	0	0	26	29	6	20	147	5	60
61	2	107	33	42	12	18	72	5	17	8	70
71	0	0	0	0	0	0	0	6	16	30	80
81	78	40	88	65	0	3	13	6	0	2	90
91	4	2	46	0	3	13	9	2	5	0	100
101	2	3	7	19	31	0	2	0	0	0	110
111	4	0	0	0	0	27	69	25	17	0	120

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
121	6	0	0	12	0	0	3	0	0	2	130
131	17	0	6	4	0	1	0	0	0	3	140
141	0	0	2	0	0	0	0	0	0	0	140

ORIGIN ZONE 70 PURPOSE 1 658 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	7	19	22	25	2	0	10
11	0	0	0	2	0	0	16	4	5	14	20
21	0	3	0	0	0	2	0	0	0	0	30
31	0	6	0	0	2	0	0	0	0	4	40
41	0	0	0	0	0	3	20	0	0	0	50
51	6	0	0	0	12	9	1	28	65	3	60
61	2	67	14	19	2	4	4	2	19	2	70
71	2	0	0	0	0	0	0	21	0	24	80
81	21	28	29	12	13	0	4	2	0	0	90
91	5	0	18	0	0	9	0	0	1	0	100
101	0	0	0	5	12	0	0	0	0	0	110
111	2	0	0	0	0	4	10	4	1	0	120
121	0	0	0	0	0	0	0	6	0	0	130
131	6	0	1	0	0	0	0	0	0	0	140
141	0	0	3	0	0	0	0	0	0	0	140

ORIGIN ZONE 70 PURPOSE 2 501 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	1	2	4	8	0	0	10
21	0	0	4	0	2	0	0	0	0	0	30
31	0	0	0	5	0	0	0	0	0	0	40
41	0	0	0	2	0	3	0	0	0	0	50
51	2	3	0	1	12	5	2	27	53	4	60
61	0	39	11	11	2	9	14	2	6	0	70
71	4	0	1	0	0	0	0	12	0	45	80
81	17	16	49	33	13	8	12	2	0	0	90
91	5	0	17	2	1	4	0	2	1	0	100
101	0	0	0	1	4	0	0	0	0	0	110
111	0	0	0	0	0	3	4	2	2	0	120
121	1	0	0	0	0	0	0	0	0	0	130
131	2	0	0	0	0	0	0	0	0	0	140
141	0	0	1	3	0	0	0	0	0	0	140

ORIGIN ZONE 70 PURPOSE 3 39 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
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TRANPLAN SYSTEM  
VERSION 2.0

MATRIX MULTIPLICATION

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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	5	0	0	3	7	0	0	0	0	10
31	0	0	0	0	0	0	0	0	0	0	40
51	0	0	0	0	0	0	0	0	0	0	60
91	0	0	0	0	0	1	0	0	0	0	100
111	0	0	0	0	0	0	2	0	0	0	120
131	0	0	0	0	0	5	7	0	0	0	140

ORIGIN ZONE 70 PURPOSE 4 382 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	11	0	2	2	12	0	8	0	0	10
11	0	0	0	0	0	0	6	0	2	2	20
21	4	1	3	0	5	0	0	0	0	0	30
31	0	5	5	5	6	0	0	2	0	3	40
41	5	0	5	6	0	0	7	0	2	13	50
51	1	0	0	1	5	0	4	8	54	0	60
61	0	3	1	1	0	0	2	7	0	0	70
71	0	0	0	0	0	0	0	4	0	28	80
81	8	10	28	0	0	0	3	0	0	0	90
91	0	0	11	0	0	2	0	0	0	0	100
101	0	5	0	5	4	0	1	0	0	0	110
111	3	0	0	0	3	3	8	2	3	0	120
121	2	0	0	2	0	0	1	0	0	0	130
131	2	0	2	0	0	0	0	0	0	0	140

ORIGIN ZONE 71 PURPOSE 1 3977 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	5	0	2	21	58	63	107	0	3	10
11	0	0	0	13	0	0	54	4	15	17	20
21	9	0	9	6	2	2	4	0	0	0	30
31	0	28	2	23	2	0	0	10	0	38	40
41	5	0	6	0	0	0	15	0	0	97	50
51	11	0	12	0	34	24	12	31	145	14	60
61	2	373	85	99	27	113	53	0	5	2	70
71	4	0	0	2	5	1	20	217	4	164	80
81	311	191	311	270	43	41	61	16	5	0	90
91	13	6	170	3	0	35	1	2	13	2	100
101	2	9	14	24	71	3	0	2	0	1	110
111	11	0	2	0	0	21	110	8	12	0	120
121	8	2	0	0	0	0	3	0	0	4	130
131	16	0	2	12	1	7	0	0	0	0	140
141	2	0	9	0	0	0	0	0	0	0	140

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ORIGIN ZONE 71 PURPOSE 2 2274 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	6	4	12	7	2	0	10
11	0	2	0	0	0	2	10	0	11	5	20
21	4	0	0	3	0	0	1	0	0	0	30
31	0	11	1	11	2	0	0	0	0	12	40
41	0	0	1	0	0	0	4	0	10	12	50
51	14	12	0	5	14	22	8	23	125	0	60
61	3	161	42	48	15	44	33	7	4	3	70
71	10	0	0	1	4	0	7	90	0	205	80
81	220	177	154	296	33	0	78	9	12	4	90
91	11	1	72	0	5	16	3	1	5	0	100
101	4	0	2	8	32	0	0	0	0	0	110
111	4	0	0	3	0	11	27	2	1	0	120
121	6	0	0	0	0	3	7	0	0	3	130
131	13	0	1	3	0	0	0	0	0	0	140
141	0	0	4	1	0	0	0	0	0	0	140

ORIGIN ZONE 71 PURPOSE 3 181 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	5	0	0	0	0	3	11	0	0	10
11	0	0	0	6	0	0	0	0	0	0	20
21	0	10	0	0	0	0	0	0	0	0	30
31	4	7	0	0	0	0	0	18	0	0	40
41	0	0	2	0	0	0	0	0	0	0	50
51	3	0	0	0	3	0	0	0	0	0	60
61	0	0	0	0	0	5	17	0	0	0	70
71	0	0	0	0	0	24	36	0	0	0	80
81	0	0	0	0	0	0	0	0	0	0	90
91	0	0	0	0	0	0	0	0	0	0	100
101	0	0	0	0	0	0	0	0	0	0	110
111	0	0	0	0	0	0	0	0	0	0	120
121	0	0	0	0	0	0	0	0	0	0	130
131	0	0	0	0	0	0	0	0	0	0	140

ORIGIN ZONE 71 PURPOSE 4 1473 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	31	2	1	11	15	7	18	0	0	10
11	0	0	0	2	0	0	26	0	10	18	20
21	0	0	1	8	0	0	0	0	0	0	30
31	0	33	12	16	12	3	1	6	7	33	40
41	0	2	0	4	4	0	7	8	0	8	50
51	0	0	0	1	16	0	4	0	72	0	60
61	0	0	3	4	0	19	8	2	0	0	70
71	0	0	0	0	4	0	2	85	0	91	80
81	92	105	68	70	19	0	49	6	2	2	90
91	10	0	31	0	3	11	4	0	9	6	100
101	4	11	6	36	26	0	5	1	0	0	110



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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
111	15	0	0	0	0	28	57	38	26	0	120
121	8	1	1	0	2	4	2	0	0	1	130
131	28	2	1	1	0	4	15	0	0	0	140
141	0	0	1	0							
ORIGIN ZONE 72	PURPOSE 1	982 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	4	3	0	15	0	0	10
11	0	0	0	7	0	0	21	0	0	13	20
21	0	0	4	0	0	0	0	0	0	0	30
31	0	6	0	7	4	0	0	0	0	0	40
41	0	0	0	0	0	0	0	0	0	0	50
51	6	0	0	0	0	12	10	2	12	0	60
61	0	11	2	2	3	7	2	1	1	0	70
71	1	0	0	0	1	0	6	33	0	185	80
81	139	37	143	50	20	8	90	0	3	3	90
91	3	0	43	1	0	3	2	1	0	0	100
101	0	0	0	1	13	0	0	0	0	0	110
111	0	0	0	0	0	0	21	5	0	0	120
121	2	0	0	0	0	0	0	0	0	2	130
131	0	0	0	0	2	3	0	0	0	0	140
141	0	0	1	0							
ORIGIN ZONE 72	PURPOSE 2	578 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	3	0	2	1	1	0	10
11	0	0	0	0	0	0	3	0	0	0	20
21	0	2	0	0	0	0	0	0	0	0	30
31	0	0	0	0	0	0	0	0	9	0	40
41	3	0	0	0	0	0	2	0	2	0	50
51	0	7	1	3	2	1	1	0	0	0	60
61	0	0	0	0	0	0	0	16	0	144	70
71	1	0	0	0	0	0	0	2	0	0	80
81	69	58	69	74	37	0	37	0	0	0	90
91	2	0	12	0	0	0	0	0	0	0	100
101	0	0	0	0	3	0	0	0	0	0	110
111	0	0	0	0	0	2	1	0	0	0	120
121	0	0	0	0	3	0	0	0	0	0	130
131	3	0	0	0	0	0	0	0	0	0	140
ORIGIN ZONE 72	PURPOSE 3	17 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
81	5	0	6	0	0	0	0	0	0	0	90

MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
111	0	0	0	0	0	0	2	0	4	0	120
ORIGIN ZONE 72	PURPOSE 4	319 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	0	3	2	0	0	10
11	0	0	0	0	0	0	2	0	0	0	20
21	2	0	0	0	0	0	0	0	0	0	30
31	0	0	0	0	0	0	0	0	0	4	40
41	0	0	0	0	0	4	11	0	9	0	50
51	0	0	0	0	0	0	2	0	0	0	60
61	0	1	1	0	0	0	0	14	0	41	70
71	0	0	0	0	0	0	0	0	0	0	80
81	22	38	22	30	11	6	24	0	0	0	90
91	6	2	9	0	2	3	6	0	2	0	100
101	0	0	0	1	28	0	0	0	0	0	110
111	2	0	0	0	0	0	22	2	2	0	120
121	2	0	0	1	0	0	0	0	0	0	130
131	0	0	0	0	0	0	0	0	0	0	140
ORIGIN ZONE 73	PURPOSE 1	578 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	7	2	8	0	0	10
11	0	0	0	0	0	0	2	0	0	0	20
21	4	0	0	0	0	0	0	0	0	0	30
31	0	0	3	3	0	0	0	0	0	7	40
41	0	0	0	0	7	3	2	0	7	0	50
51	0	0	0	0	0	6	9	0	2	0	60
61	0	51	12	13	0	6	0	0	0	0	70
71	0	0	0	0	0	3	9	283	0	8	80
81	30	6	6	7	0	5	8	0	0	0	90
91	4	0	25	0	0	0	0	0	0	1	100
101	0	1	0	5	6	0	0	0	0	0	110
111	0	0	0	0	0	0	10	0	0	0	120
121	3	0	0	0	0	0	0	0	0	0	130
131	0	0	0	0	0	0	0	0	0	0	140
ORIGIN ZONE 73	PURPOSE 2	330 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	0	6	0	0	0	10
11	0	0	0	1	0	0	0	0	0	0	20
21	0	0	0	0	0	0	3	0	2	0	30
31	0	0	0	0	0	0	0	1	0	1	40
41	0	10	4	1	2	6	5	1	0	1	50
51	0	0	0	0	0	0	1	201	4	16	60
61	0	0	0	0	0	1	2	0	0	1	70
71	0	0	0	0	0	0	0	0	0	0	80
81	26	7	13	0	0	0	0	0	0	1	90



TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
91	5	0	7	0	0	0	0	0	0	0	100
101	0	0	0	0	3	0	0	0	0	0	110
111	0	0	0	0	0	3	7	0	0	0	120
131	5	0	0	0	0	0	0	0	0	0	140
ORIGIN ZONE 73	PURPOSE 3	2 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
51	0	0	0	0	0	0	2	0	0	0	60
ORIGIN ZONE 73	PURPOSE 4	203 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	2	0	3	0	0	2	0	0	0	10
31	0	0	0	0	0	4	0	0	0	6	40
41	0	0	0	0	0	0	0	0	0	5	50
51	1	0	0	0	0	1	0	0	5	0	60
61	0	0	0	0	0	1	0	0	0	0	70
71	0	0	0	0	0	0	0	101	0	0	80
81	24	7	0	0	0	0	3	0	0	2	90
91	1	0	5	0	0	0	0	0	0	0	100
101	0	0	0	0	5	0	0	0	0	0	110
111	0	0	0	0	0	0	9	2	0	0	120
121	2	0	0	0	0	0	0	0	0	0	130
131	7	0	1	0	0	0	0	0	0	0	140
ORIGIN ZONE 74	PURPOSE 1	1107 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	4	1	8	6	2	0	3	10
11	0	0	0	2	0	0	10	0	0	3	20
21	0	0	6	0	0	0	0	0	0	0	30
31	0	0	2	3	0	0	2	0	0	2	40
41	0	0	0	0	0	0	0	0	0	3	50
51	6	0	0	0	2	7	1	0	21	0	60
61	0	36	9	9	3	12	0	0	1	0	70
71	2	0	0	2	0	0	0	16	0	66	80
81	253	53	192	106	32	5	65	5	2	0	90
91	11	0	34	2	3	8	0	0	0	1	100
101	0	0	0	2	20	0	0	0	0	0	110
111	5	0	0	0	0	1	14	0	2	0	120
121	0	0	2	0	0	0	5	0	0	0	130
131	5	0	1	0	0	0	0	0	0	0	140
141	0	2	3	0	0	0	0	0	0	0	140

ORIGIN ZONE 74	PURPOSE 2	755 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
11	0	0	0	0	0	0	4	0	2	0	20
21	2	0	0	0	0	0	0	0	0	0	30
41	0	0	1	0	0	0	0	0	0	0	50
51	2	0	0	5	0	0	5	3	2	5	60
61	0	18	5	5	2	3	0	0	0	0	70
71	2	0	0	2	0	0	0	25	4	82	80
81	167	75	116	48	21	4	29	1	1	0	90
91	2	0	43	0	3	8	1	0	2	0	100
101	0	3	0	3	16	0	0	0	0	0	110
111	0	0	0	0	0	7	14	0	0	0	120
121	3	0	0	0	0	0	0	0	0	4	130
131	5	0	3	0	0	0	0	0	0	0	140
ORIGIN ZONE 74	PURPOSE 3	16 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
81	4	0	0	7	0	0	0	0	0	0	90
101	0	0	0	0	0	0	2	0	0	0	110
111	0	0	0	0	0	0	3	0	0	0	120
ORIGIN ZONE 74	PURPOSE 4	340 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	1	0	0	0	0	3	1	0	0	10
11	0	0	0	0	0	0	10	0	0	5	20
21	0	0	0	9	0	0	9	0	0	1	30
31	0	0	0	3	0	0	0	0	0	0	40
41	0	0	0	4	4	0	0	0	0	0	50
51	0	0	0	0	0	0	2	0	6	0	60
61	0	3	1	0	3	0	0	1	0	0	70
71	0	0	0	0	0	1	0	16	0	11	80
81	46	28	16	24	2	0	14	1	1	0	90
91	4	2	16	0	3	2	2	0	0	0	100
101	0	2	0	2	10	0	0	0	0	0	110
111	2	0	0	0	0	0	24	6	4	0	120
121	0	0	0	0	0	2	0	0	0	0	130
131	4	0	0	2	1	3	4	0	0	0	140
ORIGIN ZONE 75	PURPOSE 1	5017 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	5	0	0	19	36	74	4	9	0	10



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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
11	0	0	0	2	0	0	6	0	5	9	20
21	0	3	0	0	0	0	0	0	3	0	30
31	6	0	0	11	0	2	0	24	0	0	40
41	0	0	0	0	0	6	0	0	8	0	50
51	15	14	14	0	31	164	38	27	108	54	60
61	21	1789	400	480	110	785	114	2	26	0	70
71	5	1	0	0	318	46	20	41	21	4	80
81	12	17	32	0	0	0	5	2	0	0	90
91	1	0	0	0	1	0	0	0	5	0	100
101	1	0	0	4	13	0	0	0	0	0	110
111	0	0	0	0	0	4	5	2	1	0	120
131	3	0	0	3	0	0	0	0	0	2	140

ORIGIN ZONE	75	PURPOSE	2	1482 TOTAL ORIG/PROD							
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	0	3	3	0	0	10
11	0	0	0	1	0	0	6	0	1	0	20
31	0	2	0	0	1	0	0	3	0	6	40
41	0	0	0	0	0	0	0	0	0	2	50
51	4	2	0	0	17	58	0	4	27	5	60
61	14	407	108	123	29	333	41	0	14	0	70
71	4	0	0	0	149	23	3	41	0	0	80
81	0	4	17	0	0	0	4	0	0	1	90
91	0	2	5	0	1	0	0	0	2	0	100
101	0	0	0	1	6	0	0	0	0	0	110
111	0	0	0	0	0	0	0	2	1	0	120
131	0	0	0	0	0	0	2	0	0	0	140

ORIGIN ZONE	75	PURPOSE	3	78 TOTAL ORIG/PROD							
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	33	5	0	0	0	10
31	0	0	0	0	0	0	0	0	0	5	40
61	0	9	2	3	0	10	0	0	0	0	70
71	0	0	0	0	4	0	0	0	0	0	80
111	0	0	0	0	0	4	2	0	0	0	120
131	0	0	0	0	0	1	0	0	0	0	140

ORIGIN ZONE	75	PURPOSE	4	837 TOTAL ORIG/PROD							
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	21	0	0	0	7	33	2	4	0	10
11	0	0	0	2	0	0	1	0	0	0	20

MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
21	0	0	0	0	0	3	0	0	4	0	30
31	0	0	4	4	0	2	0	3	0	0	40
41	4	0	0	0	0	0	1	0	0	5	50
51	0	0	3	0	30	74	12	11	42	20	60
61	0	163	49	63	7	133	26	0	0	0	70
71	5	0	0	0	30	4	5	0	0	8	80
81	11	0	11	0	0	0	0	4	0	0	90
91	0	0	0	0	0	2	0	0	0	0	100
101	0	0	0	2	2	0	0	0	0	0	110
111	0	0	0	0	0	0	1	5	4	0	120
121	0	1	0	0	0	0	0	0	0	0	130
131	4	0	1	0	0	0	0	0	0	0	140

ORIGIN ZONE	76	PURPOSE	1	3482 TOTAL ORIG/PROD							
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	7	0	0	22	66	125	19	9	0	10
11	0	0	0	0	0	4	22	0	0	26	20
21	0	5	0	6	3	0	4	0	0	0	30
31	0	25	6	12	0	2	0	6	0	19	40
41	0	0	3	2	0	0	0	0	3	14	50
51	11	15	0	0	17	133	12	4	61	14	60
61	10	1273	285	342	69	376	68	2	19	0	70
71	1	0	3	0	45	25	19	0	4	5	80
81	28	13	32	0	0	9	4	2	3	0	90
91	1	0	26	0	3	14	3	0	3	5	100
101	0	0	0	0	7	0	0	0	0	0	110
111	2	0	0	0	0	0	33	3	5	0	120
121	5	0	0	0	0	0	1	0	0	0	130
131	3	0	11	0	0	6	10	0	0	0	140
141	0	0	3	0	0	0	0	0	0	0	140

ORIGIN ZONE	76	PURPOSE	2	981 TOTAL ORIG/PROD							
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	6	0	0	1	3	9	0	0	0	10
11	0	0	0	0	0	0	0	0	3	6	20
21	1	0	3	1	1	0	0	0	0	0	30
31	0	6	0	2	0	0	2	0	0	6	40
41	0	0	0	0	0	0	0	0	0	3	50
51	3	0	0	2	3	55	12	9	27	12	60
61	5	253	68	74	34	197	20	2	3	0	70
71	0	0	1	0	23	0	9	0	0	4	80
81	21	0	37	0	0	0	0	4	1	0	90
91	0	1	18	0	0	6	2	0	0	0	100



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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
101	0	0	0	0	7	0	0	0	0	0	110
111	0	0	0	0	0	0	7	0	0	0	120
121	1	0	0	0	0	0	0	0	0	0	130
131	3	0	2	0	0	0	0	0	0	0	140
ORIGIN ZONE 76	PURPOSE 3	162 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	5	0	0	0	23	0	13	0	0	10
11	0	0	0	0	0	0	6	0	0	0	20
31	0	0	0	21	0	0	0	0	0	20	40
61	0	14	3	6	0	34	0	0	0	0	70
101	0	0	0	0	4	0	0	0	0	0	110
111	0	0	0	0	0	0	3	0	0	0	120
121	0	0	0	0	0	2	0	0	0	0	130
131	8	0	0	0	0	0	0	0	0	0	140
ORIGIN ZONE 76	PURPOSE 4	748 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	17	0	0	2	12	6	4	2	0	10
11	0	0	0	0	0	0	17	0	2	2	20
21	3	6	0	0	0	0	0	0	0	0	30
31	0	10	1	11	10	0	0	2	0	14	40
41	0	0	0	6	0	0	2	0	0	0	50
51	0	14	4	0	12	20	2	0	59	12	60
61	20	84	26	32	20	125	19	0	0	0	70
71	0	0	0	2	4	0	2	11	0	0	80
81	27	8	20	3	3	0	2	7	1	0	90
91	4	2	11	0	1	3	0	0	2	3	100
101	0	3	0	6	3	0	2	0	0	0	110
111	4	0	0	0	0	4	8	3	4	0	120
121	1	0	0	0	0	0	3	2	0	0	130
131	1	0	4	0	0	0	0	3	0	0	140
141	0	0	1	0	0	0	0	3	0	0	140
ORIGIN ZONE 77	PURPOSE 1	2095 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	5	15	38	63	46	8	0	10
11	0	0	0	0	0	0	13	0	4	9	20
21	0	6	0	0	2	0	13	0	0	0	30
31	0	0	0	10	0	2	0	9	0	8	40
41	2	3	0	0	0	12	11	0	3	6	50

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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
51	8	0	6	3	7	40	21	18	16	7	60
61	12	289	65	78	7	87	7	0	3	0	70
71	20	5	8	0	20	20	903	4	4	0	80
81	6	1	3	1	3	0	2	1	0	0	90
91	10	3	14	0	3	14	0	0	3	0	100
101	3	0	0	0	4	1	0	0	0	2	110
111	3	0	0	0	1	6	17	0	3	0	120
131	10	0	6	0	2	1	26	0	0	0	140
ORIGIN ZONE 77	PURPOSE 2	867 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	5	0	0	5	5	11	0	0	0	10
11	0	0	2	0	0	0	5	0	0	0	20
31	0	0	0	2	0	4	0	2	0	6	40
41	1	0	0	0	0	0	0	0	0	6	50
51	1	0	0	3	1	10	15	1	0	0	60
61	2	63	17	19	18	10	8	0	8	0	70
71	6	0	1	0	4	9	565	3	6	0	80
81	5	3	0	0	2	0	0	0	0	1	90
91	2	0	4	3	0	0	2	0	0	0	100
101	0	0	2	0	0	0	0	0	0	0	110
111	0	0	0	0	0	2	9	0	0	0	120
ORIGIN ZONE 77	PURPOSE 3	300 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	38	23	0	0	0	10
11	0	0	0	0	0	0	99	0	0	6	20
21	0	10	0	0	0	0	9	0	0	0	30
31	0	6	0	0	0	14	0	0	0	10	40
41	10	0	0	0	0	0	0	0	0	0	50
61	0	5	1	2	0	2	0	0	0	0	70
71	0	8	0	0	0	0	13	2	0	0	80
91	0	0	1	0	0	0	0	0	0	0	100
111	0	0	2	0	0	22	10	0	0	0	120
131	0	0	0	0	0	15	0	0	0	0	140
ORIGIN ZONE 77	PURPOSE 4	451 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	9	0	0	4	39	31	10	0	0	10
11	0	1	0	0	0	0	5	0	1	0	20
21	4	0	0	0	0	1	0	0	0	0	30



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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
31	2	2	0	8	0	0	0	4	0	8	40
41	6	0	0	2	0	2	8	0	0	0	50
51	0	0	3	2	9	5	4	0	22	0	60
61	4	38	11	15	0	4	21	0	0	0	70
71	3	0	0	0	5	1	91	1	1	0	80
81	4	1	6	0	0	0	0	2	0	4	90
91	0	0	2	0	1	0	4	0	0	0	100
101	0	0	1	5	3	0	0	0	0	0	110
111	1	0	0	0	0	5	15	1	0	0	120
121	3	0	0	0	0	0	2	0	0	0	130
131	4	0	0	0	0	0	0	0	0	0	140

ORIGIN ZONE 78	PURPOSE 1	1763 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	9	0	0	13	19	38	13	3	0	10
11	0	0	0	0	0	0	6	8	0	10	20
21	0	0	0	0	0	0	3	0	0	0	30
31	0	0	0	15	0	0	0	5	0	6	40
41	0	0	2	0	0	0	6	0	0	0	50
51	8	0	9	2	3	14	1	5	11	3	60
61	6	163	37	44	9	46	7	8	4	21	70
71	213	37	283	20	41	0	3	1	0	6	80
81	24	13	249	20	3	0	12	1	3	0	90
91	27	5	67	2	3	13	4	0	2	2	100
101	3	0	0	9	35	0	0	0	0	0	110
111	3	0	0	0	2	7	52	8	2	1	120
121	2	0	0	0	0	0	4	0	2	0	130
131	5	0	3	0	0	1	2	0	0	0	140
141	0	0	4	0	0	0	0	0	0	0	0

ORIGIN ZONE 78	PURPOSE 2	801 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	3	0	0	0	0	0	10
11	0	0	0	0	0	0	0	0	0	2	20
21	0	0	0	0	0	0	0	0	0	0	30
31	0	4	2	0	0	0	2	0	0	0	40
41	0	0	0	0	0	0	0	1	7	0	50
51	1	0	0	2	0	6	0	0	0	17	60
61	1	35	9	10	2	17	3	4	12	2	70
71	90	21	209	25	37	0	3	2	3	0	80
81	21	8	136	17	0	0	4	0	3	0	90
91	14	5	22	0	1	6	0	0	0	0	100
101	1	0	1	3	11	0	0	0	0	0	110
111	1	0	0	0	0	2	8	3	2	0	120

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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
121	2	0	0	0	1	8	2	1	0	0	130
131	3	0	0	0	0	0	0	0	0	0	140

ORIGIN ZONE 78	PURPOSE 3	129 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	19	0	0	0	6	3	0	0	0	10
11	0	0	0	0	0	0	19	0	11	0	20
21	0	0	13	0	0	0	0	9	0	0	30
31	0	0	0	0	0	0	0	0	0	0	40
41	0	3	0	2	0	0	2	0	0	0	50
51	0	0	1	0	0	0	0	0	0	0	60
61	0	0	0	0	0	0	0	0	0	0	70
71	0	1	12	0	0	0	0	0	0	0	80
81	0	0	0	0	0	0	0	0	0	0	90
91	0	0	0	0	0	0	0	0	0	0	100
101	2	0	0	0	0	0	7	5	0	2	110
111	0	0	0	0	0	0	0	0	0	4	120
121	4	0	0	0	0	0	4	0	0	0	130

ORIGIN ZONE 78	PURPOSE 4	588 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	1	0	10	2	2	0	0	10
11	0	0	0	0	0	0	0	0	6	0	20
21	0	4	0	2	0	0	0	0	0	0	30
31	0	0	0	0	0	0	0	0	0	9	40
41	0	0	0	0	0	2	0	0	0	0	50
51	3	6	0	0	0	0	2	0	5	27	60
61	5	32	10	13	0	8	1	0	0	0	70
71	82	12	98	14	0	8	4	4	0	3	80
81	11	7	90	6	2	0	2	1	5	1	90
91	16	3	16	0	0	2	5	2	0	0	100
101	0	3	1	1	1	0	11	4	3	0	110
111	4	0	0	0	0	3	0	4	0	0	120
121	3	0	0	0	0	0	2	4	0	0	130
131	0	2	0	0	0	0	0	0	0	0	140
141	0	0	2	0	0	0	0	0	0	0	0

ORIGIN ZONE 79	PURPOSE 1	316 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	2	0	0	0	11	9	14	1	0	10
11	0	0	0	0	0	0	0	0	4	2	20
21	2	5	0	5	0	0	0	5	0	5	30
31	0	0	4	0	0	0	0	0	0	8	40
41	0	0	0	0	3	6	1	2	3	0	50
51	0	0	0	0	3	0	0	0	0	0	60
61	0	75	16	21	3	17	0	0	0	1	70
71	4	0	0	0	21	4	0	0	6	0	80



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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
81	3	4	4	2	0	0	0	0	0	2	90
91	3	0	7	0	0	4	1	0	0	0	100
101	7	0	0	0	0	0	0	0	0	0	110
111	0	0	0	0	0	1	8	0	0	0	120
121	0	0	0	0	0	0	3	0	0	0	130
131	1	0	0	0	0	2	0	2	0	0	140
141	2	0	1	0	0	0	0	0	0	0	
ORIGIN ZONE 79	PURPOSE 2	143 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	3	0	0	0	0	10
11	0	0	0	0	3	0	4	0	0	3	20
21	0	0	0	0	1	0	0	0	0	0	30
31	0	0	0	2	0	0	0	0	0	1	40
51	0	0	0	0	0	5	1	0	5	0	60
61	3	20	5	7	1	16	0	4	8	0	70
71	0	0	4	5	0	0	5	3	0	0	80
81	1	1	5	2	0	0	0	0	0	0	90
91	1	0	3	0	2	2	1	0	0	0	100
101	2	0	0	0	3	0	0	0	0	0	110
111	1	0	0	0	0	0	5	0	0	0	120
131	0	0	0	0	0	0	3	0	0	0	140
141	0	0	2	0	0	0	0	0	0	0	
ORIGIN ZONE 79	PURPOSE 3	43 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	0	5	0	0	0	10
31	0	34	0	0	0	0	0	0	0	0	40
81	0	1	0	1	0	0	0	0	0	0	90
101	0	0	0	0	2	0	0	0	0	0	110
ORIGIN ZONE 79	PURPOSE 4	82 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	1	0	0	0	4	2	4	0	0	10
31	0	2	0	0	0	0	0	0	0	0	40
51	0	0	0	0	4	0	0	0	10	0	60
61	0	1	1	1	4	0	5	0	16	0	70
71	0	0	0	0	0	0	2	0	0	0	80
81	1	0	2	0	0	0	1	0	0	0	90
91	4	0	0	0	0	0	0	0	0	0	100
101	0	0	0	0	0	0	0	2	0	0	110

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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
111	0	0	0	0	0	0	7	2	2	0	120
121	0	0	0	1	0	0	3	0	0	0	130
ORIGIN ZONE 80	PURPOSE 1	747 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	4	0	1	8	7	2	0	0	10
11	0	0	0	0	0	4	15	0	4	16	20
21	0	2	6	0	0	0	0	0	0	0	30
31	0	2	0	2	0	0	0	0	0	0	40
51	0	6	0	0	4	6	0	1	2	0	60
61	0	28	7	6	1	4	5	8	41	29	70
71	164	184	5	86	4	4	0	6	1	2	80
81	16	0	0	1	0	0	0	6	0	0	90
91	3	0	16	0	3	5	0	2	0	1	100
101	0	0	0	0	8	0	0	0	0	0	110
111	0	0	0	0	0	1	0	0	0	3	120
131	5	0	0	0	0	0	0	0	0	0	140
ORIGIN ZONE 80	PURPOSE 2	700 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	3	3	1	0	0	10
11	0	0	0	2	0	0	4	0	0	2	20
21	0	3	0	0	0	0	0	0	0	0	30
31	0	0	0	1	1	0	0	0	0	0	40
41	0	0	0	0	0	2	0	0	0	0	50
51	1	0	0	0	4	9	0	0	4	0	60
61	0	14	3	4	3	7	0	16	74	41	70
71	205	144	16	78	0	12	0	2	0	2	80
81	11	0	0	0	1	0	1	3	0	1	90
91	0	0	13	0	0	0	0	0	0	0	100
101	2	0	0	2	0	0	0	0	0	0	110
131	3	0	0	2	0	0	0	0	0	0	140
ORIGIN ZONE 80	PURPOSE 3	21 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
11	0	0	0	0	0	0	8	0	0	0	20
41	7	0	0	0	0	0	0	0	0	0	50
61	0	1	0	1	0	0	0	0	0	0	70
111	0	0	0	0	0	1	0	0	0	0	120
121	3	0	0	0	0	0	0	0	0	0	130



ORIGIN ZONE	80	PURPOSE 4		361 TOTAL ORIG/PROD										
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE		
1		0	0	0	0	3	0	4	6	4	0	10		
11		0	0	0	0	0	0	6	0	0	0	20		
21		13	0	0	0	0	0	0	0	0	0	30		
31		0	0	2	1	0	0	0	0	0	2	40		
41		0	0	0	0	0	0	1	0	0	0	50		
51		0	0	0	0	9	0	1	1	33	1	60		
61		0	9	1	4	0	4	2	2	28	30	70		
71		93	38	0	11	9	0	1	0	0	0	80		
81		3	0	0	0	0	0	0	0	0	0	90		
91		0	0	6	0	0	0	0	0	1	4	100		
101		0	0	0	1	2	0	6	0	0	0	110		
111		0	0	0	0	0	0	7	1	0	0	120		
121		0	0	3	0	0	0	0	0	0	0	130		
131		0	0									140		

ORIGIN ZONE	81	PURPOSE 1		1875 TOTAL ORIG/PROD										
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE		
1		0	4	0	1	7	16	11	50	1	0	10		
11		0	0	2	0	0	0	16	0	4	14	20		
21		7	1	0	0	0	0	2	2	0	0	30		
31		0	4	0	5	6	0	0	0	0	5	40		
41		0	0	0	0	0	0	5	0	0	29	50		
51		3	0	0	0	0	28	2	4	42	2	60		
61		0	76	18	21	4	5	29	13	177	20	70		
71		339	135	26	252	13	24	6	24	2	17	80		
81		58	4	3	1	1	0	2	11	6	0	90		
91		19	0	112	0	7	18	0	0	3	3	100		
101		2	0	10	23	36	0	0	0	0	1	110		
111		3	0	0	0	2	6	40	1	0	0	120		
121		0	0	0	0	0	0	9	0	0	0	130		
131		0	0	0	0	3	2	2	0	0	0	140		
141		0	0	3	0									

ORIGIN ZONE	81	PURPOSE	2	1197 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1		0	1	0	0	3	2	3	2	0	0	10	
11		0	0	0	0	0	0	11	0	0	0	20	
21		0	3	0	2	1	0	0	3	0	0	40	
31		0	0	0	0	0	1	9	0	0	2	50	
41		0	0	0	0	0	18	2	5	33	6	60	
51		1	0	0	1	0	0	2	17	203	16	70	
61		0	40	11	12	1	0	1	21	1	10	80	
71		323	66	29	160	0	16	6					

TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
81		70	5	0	2	0	0	4	3	4	0	90	
91		13	0	75	0	2	9	2	3	7	1	100	
101		0	0	6	5	8	0	1	0	0	0	110	
111		2	0	0	0	1	0	12	2	1	0	120	
121		3	0	0	0	0	0	1	0	0	0	130	
131		6	0	0	0	0	0	3	0	0	0	140	

ORIGIN ZONE	81	PURPOSE 3		90 TOTAL ORIG/PROD								
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1		0	0	0	0	0	0	25	13	0	0	10
31		0	0	0	20	0	0	0	0	0	0	40
61		0	0	0	0	0	0	0	0	11	0	70
71		0	0	0	6	0	0	0	0	0	0	80
81		0	2	0	0	0	0	0	2	0	0	90
91		0	0	1	0	2	0	0	0	0	0	100
131		0	0	0	0	0	0	8	0	0	0	140

ORIGIN ZONE	81	PURPOSE	4	797 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1		0	13	0	0	2	5	9	2	0	0	10	
11		0	0	0	0	0	0	0	0	4	0	20	
21		4	0	0	0	0	0	0	0	0	0	30	
31		0	6	3	2	3	0	0	0	0	6	40	
51		0	0	0	0	0	8	2	4	11	0	60	
61		0	19	7	8	0	0	8	7	78	6	70	
71		94	22	26	49	10	28	4	11	1	4	80	
81		8	0	0	0	0	0	2	17	0	0	90	
91		7	0	84	0	2	14	3	0	17	6	100	
101		0	3	8	20	19	1	3	0	0	0	110	
111		14	0	0	0	0	24	20	16	9	0	120	
121		2	0	0	2	0	0	2	0	0	2	130	
131		9	0	2	0	1	0	3	0	0	0	140	
141		0	0	3	0								

ORIGIN ZONE	82	PURPOSE	1	1303 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1		0	2	0	0	3	17	7	21	1	0	10	
11		0	0	0	0	0	0	20	0	6	3	20	
21		0	0	2	0	0	0	0	0	0	0	30	
31		0	2	0	6	0	0	0	4	0	9	40	
51		3	0	0	0	3	13	1	0	30	0	60	



MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
61	4	69	16	18	0	0	21	17	222	29	70
71	191	37	6	56	12	16	1	14	5	0	80
81	4	0	0	0	0	0	0	17	8	8	90
91	15	1	216	2	13	20	3	0	10	0	100
101	6	0	0	7	31	0	0	0	0	0	110
111	2	0	0	0	0	3	22	4	0	0	120
121	1	0	0	1	0	0	0	0	0	0	130
131	9	0	3	6	0	0	0	0	0	0	140
141	2	0	2	0	0	0	0	0	0	0	
ORIGIN ZONE 82	PURPOSE 2	836 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	3	1	0	1	0	0	10
11	0	0	0	0	0	0	0	0	7	1	20
21	0	3	0	0	0	0	0	0	0	0	30
31	0	0	1	0	1	0	0	0	0	0	40
41	0	0	0	0	0	0	1	0	0	2	50
51	0	0	0	0	8	17	0	0	12	0	60
61	0	47	12	13	0	2	2	23	144	17	70
71	174	57	6	73	4	0	3	8	2	0	80
81	5	0	0	0	0	0	0	4	1	1	90
91	15	1	109	0	2	13	0	3	0	6	100
101	0	0	0	0	12	0	1	0	0	0	110
111	0	0	0	4	0	0	2	1	2	0	120
121	3	0	0	0	0	0	0	0	0	0	130
141	0	0	2	0	0	0	0	0	0	0	
ORIGIN ZONE 82	PURPOSE 3	35 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
41	0	0	3	0	0	0	0	0	0	0	50
61	0	3	0	1	0	0	0	0	0	0	70
71	7	0	0	0	0	0	0	0	1	0	80
81	1	0	1	0	0	0	0	0	0	0	90
91	0	0	4	0	0	0	0	0	0	0	100
101	0	0	0	0	6	0	0	0	0	0	110
111	0	0	0	0	0	0	4	0	0	0	120
121	0	0	0	0	0	0	2	0	0	0	130
ORIGIN ZONE 82	PURPOSE 4	434 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	1	1	0	0	3	0	4	4	2	0	10

MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
11	0	0	0	0	0	0	5	0	0	1	20
21	2	0	0	0	0	0	0	0	0	0	30
31	0	0	0	0	0	0	0	0	0	0	40
41	2	0	2	0	0	0	0	0	0	0	50
51	0	0	0	0	4	2	0	4	8	1	60
61	0	9	3	3	0	0	4	0	39	13	70
71	101	38	8	24	0	8	1	5	0	0	80
81	0	0	0	1	0	0	0	15	0	0	90
91	6	3	30	0	2	12	1	1	0	1	100
101	2	0	2	19	3	0	0	0	0	0	110
111	4	0	0	0	0	2	4	2	2	0	120
121	2	0	0	0	0	0	0	0	0	0	130
131	2	0	2	0	0	0	0	0	0	0	140
ORIGIN ZONE 83	PURPOSE 1	2356 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	13	26	34	26	3	0	10
11	0	0	0	0	0	4	22	5	5	32	20
21	11	3	2	0	0	0	3	0	0	0	30
31	0	2	6	5	2	0	0	0	0	13	40
41	0	0	0	4	0	3	0	0	0	0	50
51	3	8	0	1	3	17	5	6	19	0	60
61	0	65	15	18	5	10	11	26	168	29	70
71	311	135	13	191	28	37	2	249	4	0	80
81	4	0	22	0	0	0	2	21	12	8	90
91	173	16	283	3	8	29	0	6	3	4	100
101	5	2	4	17	29	0	2	0	0	0	110
111	0	0	0	0	0	6	36	6	1	5	120
121	7	2	0	0	0	0	0	3	0	3	130
131	12	0	3	3	0	6	2	0	0	0	140
141	0	1	0	0	0	0	0	0	0	0	
ORIGIN ZONE 83	PURPOSE 2	1767 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	1	0	3	0	1	3	7	1	0	10
11	0	0	0	0	2	0	4	0	1	0	20
21	1	0	0	0	0	0	0	0	0	0	30
31	0	2	0	2	0	0	1	0	0	2	40
41	0	0	0	0	0	0	2	0	0	0	50
51	3	0	0	0	0	17	6	0	3	1	60
61	0	20	6	5	0	7	6	0	134	49	70
71	155	66	9	119	20	41	0	8	5	0	80
81	0	0	22	0	0	0	0	0	2	4	90



TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
91	120	9	174	3	7	11	0	0	0	4	100
101	0	0	0	7	26	3	0	0	0	0	110
111	0	0	0	0	0	4	13	0	0	0	120
121	0	0	0	2	0	0	2	0	0	0	130
131	1	0	0	4	2	0	0	0	0	0	140

ORIGIN ZONE 83 PURPOSE 3 78 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	0	5	3	0	0	10
11	0	0	0	0	0	7	10	0	0	0	20
21	0	0	0	0	0	0	8	0	0	0	30
31	0	0	0	0	0	0	2	0	0	0	60
41	0	1	0	0	0	0	0	0	7	0	70
51	0	0	0	0	0	0	0	1	0	0	80
61	0	1	4	0	0	0	0	0	0	0	90
71	0	0	5	7	0	0	0	0	0	0	100
81	0	0	0	8	0	0	0	3	0	0	120
91	0	0	0	0	0	0	14	0	0	0	140

ORIGIN ZONE 83 PURPOSE 4 903 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	7	0	2	0	11	7	7	2	0	10
11	0	1	0	1	0	5	13	0	4	6	20
21	0	0	0	0	1	0	0	0	0	0	30
31	0	6	2	6	0	3	0	2	0	4	40
41	1	0	0	0	0	3	8	0	0	3	50
51	2	0	0	2	0	11	1	0	11	0	60
61	0	17	4	6	3	0	0	7	67	12	70
71	75	24	0	35	8	17	6	90	3	0	80
81	0	0	6	0	0	0	4	6	7	4	90
91	49	6	94	0	4	18	7	0	0	1	100
101	0	4	2	13	21	0	0	11	0	0	110
111	6	0	0	0	0	10	19	9	9	1	120
121	1	3	0	0	0	0	0	0	0	0	130
131	14	0	8	7	0	0	3	0	0	0	140
141	0	0	16	4							

ORIGIN ZONE 84 PURPOSE 1 2071 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	5	0	0	7	31	17	54	0	0	10
11	0	0	0	7	0	2	51	0	5	13	20

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
21	4	0	3	0	0	2	2	0	0	0	30
31	0	21	2	19	8	0	0	2	0	9	40
41	0	0	0	0	0	0	0	0	0	5	50
51	0	12	8	0	10	27	0	9	47	6	60
61	0	104	24	28	7	2	42	13	197	13	70
71	272	49	6	106	0	0	2	20	1	1	80
81	1	0	0	0	0	0	3	12	4	3	90
91	41	13	354	7	3	48	3	3	17	10	100
101	0	11	9	28	63	1	0	0	0	0	110
111	13	0	0	0	0	23	77	8	5	0	120
121	1	3	0	0	0	0	2	5	0	1	130
131	10	0	2	0	9	3	0	0	0	0	140

ORIGIN ZONE 84 PURPOSE 2 1031 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	3	0	0	0	3	4	1	0	1	10
11	0	0	0	0	0	0	4	0	3	0	20
21	0	0	1	0	0	0	0	0	0	0	30
31	0	3	1	2	3	0	0	0	0	2	40
41	1	0	0	0	0	11	0	6	6	1	60
51	0	28	8	8	2	3	11	20	95	32	70
61	303	73	0	49	0	0	0	10	3	0	80
71	2	0	0	3	0	0	0	6	11	0	90
81	23	2	151	0	5	9	5	3	8	0	100
91	1	1	8	18	31	0	0	0	0	1	110
101	0	0	0	0	0	5	20	1	1	0	120
111	0	0	0	0	0	0	0	0	0	0	130
121	2	0	3	0	0	0	0	0	0	0	140
131	10	0	0	0	0	0	0	0	0	0	

ORIGIN ZONE 84 PURPOSE 3 73 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	5	0	23	0	0	10
61	0	0	0	1	0	0	0	0	0	0	70
71	0	0	0	2	0	0	0	0	2	0	80
91	0	0	18	0	0	0	0	0	0	0	100
101	0	0	0	0	2	0	0	0	0	0	110
111	0	0	0	0	0	0	6	0	0	0	120
131	0	0	0	0	4	0	10	0	0	0	140

ORIGIN ZONE 84 PURPOSE 4 816 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
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MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	7	0	0	4	0	4	14	0	0	10
11	0	1	0	0	0	0	9	0	6	2	20
21	0	0	2	0	0	0	1	0	0	0	30
31	0	15	1	4	2	0	0	1	0	4	40
41	0	0	0	0	0	0	2	0	2	0	50
51	0	0	0	0	9	13	4	0	32	0	60
61	0	34	10	13	0	5	14	0	66	0	70
71	70	22	0	26	0	3	0	6	0	0	80
81	0	0	0	0	0	0	2	20	6	6	90
91	10	6	110	0	6	38	0	2	11	1	100
101	0	4	1	31	19	0	0	1	0	0	110
111	17	0	7	0	0	23	37	25	18	0	120
121	7	1	1	1	0	0	4	2	0	0	130
131	8	0	3	0	0	0	0	0	0	0	140

ORIGIN ZONE 85 PURPOSE 1 242 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	2	2	0	3	0	2	4	0	0	10
11	0	0	0	2	0	0	13	0	6	16	20
21	4	0	4	7	0	0	0	0	0	0	30
31	0	0	0	2	0	0	0	0	0	2	40
41	0	0	0	0	0	1	0	0	1	0	50
51	0	9	2	2	0	2	0	4	21	12	60
61	45	16	0	33	0	0	4	3	0	0	70
71	1	0	0	0	0	0	2	1	0	0	80
81	0	0	0	0	0	0	0	6	0	0	90
91	0	0	0	0	0	0	0	0	0	0	100
101	0	0	0	0	6	0	0	0	0	0	110

ORIGIN ZONE 85 PURPOSE 2 150 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	6	0	0	0	0	0	10
11	0	0	0	0	0	0	1	0	0	2	20
21	0	1	0	0	0	2	0	0	0	0	30
31	0	0	0	0	0	0	0	0	0	0	40
41	0	0	0	0	0	0	0	0	0	1	50
51	1	0	0	0	1	0	0	0	3	0	60
61	0	4	1	1	0	2	2	4	0	8	70
71	33	12	4	25	0	0	2	0	0	0	80
81	0	0	0	0	0	1	2	7	0	0	90
91	0	0	0	0	0	1	0	1	0	1	100

ORIGIN ZONE 85 PURPOSE 3 15 TOTAL ORIG/PROD

MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	0	8	0	0	0	10
131	0	0	0	0	0	0	7	0	0	0	140

ORIGIN ZONE 85 PURPOSE 4 95 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
11	0	0	0	0	0	0	4	0	0	0	20
31	0	1	2	2	0	0	0	0	0	0	40
41	0	0	0	0	0	0	2	0	0	0	50
51	0	0	0	0	2	2	0	2	3	0	60
61	0	5	1	1	0	2	0	0	0	0	70
71	20	13	0	5	0	4	0	2	0	0	80
81	0	0	0	0	0	0	0	3	0	7	90
91	0	0	0	0	0	7	0	0	0	2	100
101	0	0	0	0	3	0	0	0	0	0	110

ORIGIN ZONE 86 PURPOSE 1 170 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	2	2	3	0	0	10
11	0	0	0	0	0	0	2	0	0	6	20
21	0	0	0	3	0	0	0	0	0	0	30
41	0	0	0	0	0	0	0	0	0	2	50
51	0	0	0	0	0	0	0	0	2	0	60
61	0	1	0	0	0	0	0	0	12	0	70
71	29	12	9	12	0	12	0	0	0	0	80
81	0	0	0	0	0	0	2	22	0	6	90
91	2	2	0	0	2	0	0	5	3	1	100
101	0	0	0	0	4	0	0	0	0	0	110
111	0	0	0	0	0	7	2	0	1	0	120
131	2	0	0	0	0	0	0	0	0	0	140

ORIGIN ZONE 86 PURPOSE 2 83 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
11	0	0	0	0	0	0	2	0	0	0	20
51	0	0	0	0	0	3	0	0	1	0	60
61	0	0	2	0	0	0	0	4	0	12	70
71	0	0	0	5	0	0	0	0	0	0	80
81	0	0	0	0	2	0	3	30	0	4	90
91	0	0	0	0	4	2	0	2	0	1	100
101	0	0	0	1	4	0	0	0	0	0	110
121	0	0	0	0	0	0	0	0	0	1	130



ORIGIN ZONE	86	PURPOSE	3	1 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE		
81	0	0	0	0	0	0	0	1	0	0	90		
ORIGIN ZONE	86	PURPOSE	4	40 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE		
31	0	0	0	0	0	0	0	0	0	2	40		
51	0	0	0	0	0	0	0	0	1	0	60		
61	0	0	0	0	0	0	0	0	3	0	70		
71	0	5	0	0	0	0	0	0	0	0	80		
81	0	0	0	0	0	8	5	5	0	4	90		
101	0	0	0	2	0	0	0	0	0	0	110		
111	0	0	0	0	0	1	4	0	0	0	120		
ORIGIN ZONE	87	PURPOSE	1	1357 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE		
1	0	4	1	0	2	18	28	20	0	0	10		
11	0	0	0	2	0	2	22	2	1	12	20		
21	1	0	9	2	3	0	0	0	0	0	30		
31	1	4	3	3	6	1	0	5	0	5	40		
41	2	0	3	0	0	0	0	0	0	2	50		
51	0	0	0	0	0	4	4	3	8	1	60		
61	0	33	8	8	0	3	2	0	53	4	70		
71	66	94	9	65	4	0	3	11	0	0	80		
81	3	0	2	2	3	2	4	342	15	36	90		
91	10	0	8	0	7	34	4	13	13	4	100		
101	3	1	15	18	54	0	3	0	0	0	110		
111	13	0	0	0	0	8	95	21	6	0	120		
121	3	1	0	0	0	0	14	2	0	13	130		
131	6	0	9	1	0	5	5	0	1	0	140		
141	0	2	7	2	0								
ORIGIN ZONE	87	PURPOSE	2	740 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE		
1	0	0	0	0	0	4	0	0	0	1	10		
11	0	0	0	0	0	0	1	0	4	0	20		
31	0	0	1	3	2	0	0	0	0	2	40		
51	1	0	0	0	0	4	1	1	0	3	60		
61	0	3	2	1	0	1	0	8	78	8	70		
71	86	37	0	25	0	0	0	4	0	1	80		
81	5	0	0	0	2	2	15	233	6	24	90		

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
91	14	0	10	2	12	19	2	15	20	5	100
101	5	4	0	10	22	0	0	0	0	1	110
111	2	0	0	0	0	3	4	2	2	0	120
121	4	0	0	0	0	2	3	2	0	0	130
131	6	0	0	0	0	0	0	0	0	0	140
ORIGIN ZONE	87	PURPOSE 3	70 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	5	0	0	0	0	10
11	0	0	0	0	0	0	3	0	0	0	20
31	0	0	0	0	0	0	5	0	0	0	40
71	6	0	0	0	0	0	0	1	0	0	80
91	0	0	0	0	0	5	0	2	0	0	100
111	0	0	0	0	0	0	10	2	0	0	120
121	3	0	0	0	2	0	0	0	0	0	130
131	0	0	10	0	0	6	10	0	0	0	140
ORIGIN ZONE	87	PURPOSE 4	442 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	2	2	0	1	0	0	2	4	0	0	10
11	0	0	0	0	2	0	10	0	12	6	20
21	10	1	0	0	0	0	0	0	0	0	30
31	0	0	0	2	1	0	2	2	0	0	40
51	0	0	0	0	0	4	0	0	0	0	60
61	0	0	2	2	0	2	0	0	10	9	70
71	52	21	4	13	0	3	0	2	1	0	80
81	1	0	4	1	0	5	8	46	3	4	90
91	4	0	0	0	5	16	7	0	0	13	100
101	0	4	1	20	17	0	0	0	0	0	110
111	1	0	0	0	2	10	30	11	5	0	120
121	5	0	0	1	0	0	6	0	0	0	130
131	8	1	4	1	0	0	4	8	0	0	140
ORIGIN ZONE	88	PURPOSE 1	1282 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	2	2	0	1	0	0	2	4	0	0	10
11	0	0	0	0	2	0	10	0	12	6	20
21	10	1	0	0	0	0	0	0	0	0	30
31	0	0	0	2	1	0	2	2	0	0	40
51	0	0	0	0	0	4	0	0	0	0	60
61	0	0	2	2	0	2	0	0	10	9	70
71	52	21	4	13	0	3	0	2	1	0	80
81	1	0	4	1	0	5	8	46	3	4	90
91	4	0	0	0	5	16	7	0	0	13	100
101	0	4	1	20	17	0	0	0	0	0	110
111	1	0	0	0	2	10	30	11	5	0	120
121	5	0	0	1	0	0	6	0	0	0	130
131	8	1	4	1	0	0	4	8	0	0	140



MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
61	0	11	1	2	0	0	2	0	5	3	70
71	15	0	2	5	1	2	1	2	0	5	80
81	11	17	23	10	3	22	342	15	33	8	90
91	0	0	34	2	16	130	4	19	21	14	100
101	5	0	15	13	53	1	0	0	0	0	110
111	12	0	0	0	0	21	114	12	4	0	120
121	22	4	0	0	0	0	2	0	0	3	130
131	20	0	7	2	0	0	0	0	0	0	140

ORIGIN ZONE 88 PURPOSE 2 678 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	1	3	6	0	0	10
11	0	0	0	0	0	0	1	0	0	0	20
21	0	0	2	0	1	0	0	0	0	0	30
31	0	0	0	4	0	0	0	0	0	0	40
41	0	0	0	0	0	0	1	0	0	0	50
51	1	0	0	0	0	2	5	0	8	0	60
61	0	3	1	1	0	0	1	4	8	1	70
71	9	2	0	2	0	3	0	1	0	4	80
81	3	5	9	4	7	30	233	29	25	10	90
91	10	0	31	0	14	46	2	20	0	6	100
101	0	0	3	27	37	0	0	0	2	0	110
111	2	0	0	0	0	7	18	4	2	0	120
121	5	0	0	0	0	0	0	0	0	0	130
131	9	0	0	3	0	0	0	0	0	0	140

ORIGIN ZONE 88 PURPOSE 3 28 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
51	0	0	0	0	0	0	0	0	1	0	60
71	18	0	0	0	0	0	0	0	0	0	80
81	2	0	0	0	0	0	0	4	0	0	90
111	0	0	0	0	0	0	3	0	0	0	120

ORIGIN ZONE 88 PURPOSE 4 460 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	3	0	0	0	0	0	6	0	0	10
11	0	0	0	0	0	0	9	0	0	0	20
21	5	0	0	0	0	0	0	0	0	0	30
31	0	0	0	1	0	0	0	0	0	0	40
51	0	0	0	0	3	0	4	2	5	0	60
61	0	5	0	2	0	0	5	0	5	0	70

MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
71	6	0	0	0	4	7	3	4	0	0	80
81	17	13	6	21	3	4	46	0	0	2	90
91	20	0	10	0	9	35	3	14	6	0	100
101	0	3	11	27	23	0	11	0	0	0	110
111	6	0	0	0	0	3	14	13	9	0	120
121	10	6	4	5	0	5	0	0	0	0	130
131	18	0	3	0	0	0	1	0	0	0	140

ORIGIN ZONE 89 PURPOSE 1 439 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	2	0	0	0	8	3	5	0	0	10
11	0	0	0	2	0	0	0	0	7	0	20
21	0	0	0	0	0	0	2	0	0	0	30
31	0	2	0	2	0	0	0	0	0	0	40
41	0	0	2	0	0	0	0	0	0	0	50
51	0	0	0	0	0	0	0	3	8	0	60
61	0	4	1	1	0	3	3	3	5	0	70
71	4	1	0	0	0	0	0	3	0	0	80
81	6	9	10	6	0	0	14	34	10	8	90
91	10	0	152	0	22	27	0	3	6	0	100
101	2	0	0	4	7	0	0	0	0	0	110
111	0	0	0	0	0	0	19	0	5	0	120
131	11	0	0	0	0	0	0	0	0	0	140

ORIGIN ZONE 89 PURPOSE 2 275 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	2	2	0	0	0	10
11	0	0	0	0	0	0	0	0	0	7	20
21	0	0	0	0	0	0	0	4	0	0	30
31	0	0	0	0	0	0	0	2	4	0	40
51	0	0	0	0	0	0	0	0	0	0	60
61	0	1	0	1	0	0	0	7	2	0	70
71	12	0	0	0	0	1	0	2	0	0	80
81	4	2	1	11	0	0	6	25	17	2	90
91	4	2	95	0	4	16	1	0	5	0	100
101	0	0	0	5	3	0	0	0	0	0	110
111	6	0	0	0	0	3	4	2	2	0	120
131	7	0	0	0	0	0	0	1	0	0	140

ORIGIN ZONE 89 PURPOSE 3 3 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
111	3	0	0	0	0	0	0	0	0	0	120



ORIGIN ZONE	89	PURPOSE	4	141 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE		
1	0	0	0	0	0	0	2	3	0	0	10		
11	0	0	0	0	0	0	4	0	0	0	20		
31	0	0	2	0	0	0	0	0	0	2	40		
41	0	0	0	0	0	0	0	0	2	0	50		
51	0	0	0	0	2	0	0	0	0	0	60		
61	0	2	0	1	0	0	0	7	0	0	70		
71	1	0	0	2	0	1	0	0	0	0	80		
81	0	2	6	0	0	0	2	0	3	0	90		
91	1	0	18	0	10	20	2	12	0	5	100		
101	0	0	2	1	0	0	0	4	0	0	110		
111	0	0	0	0	0	0	6	2	2	0	120		
121	0	0	0	0	0	0	1	0	0	3	130		

ORIGIN ZONE	90	PURPOSE	1	1595 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE		
1	0	0	0	0	7	0	9	3	0	0	10		
11	0	0	0	2	0	0	6	0	3	0	20		
61	0	8	2	1	0	0	0	0	11	0	70		
71	0	3	0	0	0	0	0	2	1	0	80		
81	0	7	9	1	0	6	36	9	9	97	90		
91	2	2	276	3	16	406	22	69	11	23	100		
101	0	2	9	87	100	0	0	0	0	1	110		
111	11	0	0	0	1	36	128	25	0	0	120		
121	9	4	0	0	0	0	4	0	0	3	130		
131	5	0	0	4	4	12	0	0	0	0	140		

ORIGIN ZONE	90	PURPOSE	2	955 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE		
1	0	0	0	0	4	0	0	2	0	0	10		
21	5	0	0	0	0	0	0	0	0	0	30		
31	0	1	0	0	0	0	0	0	0	1	40		
41	0	0	0	0	0	3	0	0	0	0	50		
51	0	0	0	0	0	0	0	2	0	0	60		
61	0	1	0	0	0	1	0	0	4	0	70		
71	4	0	1	0	1	0	1	0	0	1	80		
81	2	1	4	0	0	5	25	9	2	69	90		
91	5	3	168	2	22	321	4	69	11	11	100		
101	0	3	6	47	68	0	4	0	0	1	110		
111	9	2	0	0	0	8	20	1	0	0	120		
121	0	0	0	0	0	0	0	0	0	5	130		
131	0	0	4	0	1	0	0	0	0	0	140		

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
141	0	3	0	0							
ORIGIN ZONE	90	PURPOSE	3	19 TOTAL ORIG/PROD							
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
91	0	0	1	0	0	0	0	8	0	0	100
101	0	0	0	0	3	0	0	0	0	0	110
111	0	0	0	0	0	0	8	0	0	0	120
ORIGIN ZONE	90	PURPOSE	4	526 TOTAL ORIG/PROD							
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	0	1	0	0	0	10
11	0	0	0	0	0	0	1	0	0	0	20
21	0	0	0	0	2	0	0	0	0	0	30
31	0	3	0	4	0	0	0	0	0	6	40
41	0	0	0	0	0	0	0	0	0	1	50
51	0	5	1	2	0	2	0	0	3	0	60
61	2	0	1	0	0	0	2	5	0	0	70
71	0	0	4	4	7	5	2	2	0	31	80
81	0	0	59	5	9	152	17	11	24	11	90
91	0	0	0	26	22	0	6	0	0	4	100
101	0	0	0	0	0	16	26	17	13	0	110
111	0	0	0	0	0	0	0	0	0	4	120
121	0	0	0	0	0	0	0	0	0	0	130
131	7	0	1	0	0	0	0	0	0	0	140
ORIGIN ZONE	91	PURPOSE	1	748 TOTAL ORIG/PROD							
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	4	0	0	0	3	6	7	4	0	10
11	0	0	0	0	0	0	1	0	3	0	20
21	0	0	2	0	0	0	2	0	0	0	30
31	0	7	0	0	0	0	0	0	0	2	40
41	0	0	0	0	0	4	0	0	0	0	50
51	0	0	0	0	0	4	2	0	0	0	60
61	0	14	3	4	0	3	0	2	14	4	70
71	11	4	3	10	2	3	8	28	3	3	80
81	19	13	173	41	0	2	10	6	10	2	90
91	80	2	101	1	6	12	2	0	5	0	100
101	3	0	7	13	7	0	0	0	0	0	110
111	6	0	0	0	0	0	32	2	2	0	120
121	0	0	0	3	0	0	2	2	0	0	130
131	14	0	0	0	0	0	0	0	0	1	140



ORIGIN ZONE	91	PURPOSE	2	649 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE		
1	0	0	0	0	0	4	0	4	0	0	10		
21	0	0	1	2	0	0	0	0	0	0	30		
31	0	5	1	0	0	0	0	0	0	0	40		
41	0	0	0	0	0	2	0	0	0	0	50		
51	0	0	0	0	1	10	1	0	0	0	60		
61	0	9	1	3	1	5	1	3	5	0	70		
71	11	2	4	2	0	0	1	16	1	0	80		
81	12	14	120	24	0	0	13	10	5	5	90		
91	136	2	97	0	16	15	0	1	18	0	100		
101	0	1	0	12	4	0	5	0	0	0	110		
111	3	0	0	0	0	1	7	4	2	0	120		
121	2	0	0	0	0	0	5	5	0	0	130		
131	3	0	0	0	0	0	1	0	0	0	140		
141	0	0	2	0									

ORIGIN ZONE	91	PURPOSE	3	15 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE		
1	0	0	0	0	0	0	5	0	0	0	10		
91	0	0	0	0	0	0	0	0	0	0	100		
101	0	0	0	0	3	0	0	0	0	0	110		
111	0	0	0	0	0	0	4	0	0	0	120		

ORIGIN ZONE	91	PURPOSE	4	104 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE		
1	0	2	0	0	0	0	5	2	0	0	10		
11	0	0	0	0	0	0	2	0	0	0	20		
21	0	4	0	0	0	0	0	0	0	0	30		
31	0	2	1	1	0	0	0	0	0	3	40		
41	0	0	0	0	0	3	2	0	0	9	50		
51	0	0	0	1	0	0	0	0	1	0	60		
61	0	1	0	2	0	0	2	0	4	0	70		
71	9	5	2	4	0	5	0	16	3	0	80		
81	7	6	51	9	0	0	4	21	1	0	90		
91	19	0	18	0	3	22	0	0	0	0	100		
101	0	0	0	10	4	1	0	0	0	0	110		
111	0	0	2	0	2	3	13	5	3	0	120		
121	3	0	0	0	0	0	0	0	0	0	130		
131	1	0	3	0	1	0	1	0	0	0	140		

ORIGIN ZONE	92	PURPOSE	1	196 TOTAL ORIG/PROD									
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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	4	0	0	0	1	4	2	0	0	10
11	0	0	0	0	0	0	6	0	3	0	20
21	0	0	4	0	0	0	0	0	0	0	30
31	0	0	0	1	0	0	0	0	0	0	40
41	0	0	0	0	0	0	4	0	3	0	50
51	0	0	0	0	0	0	1	0	0	0	60
61	0	3	0	2	0	0	0	4	9	0	70
71	7	0	0	0	0	0	0	6	0	0	80
81	0	2	17	12	0	2	0	0	0	4	90
91	2	0	4	0	1	21	0	0	1	0	100
101	0	0	1	6	12	0	0	0	0	0	110
111	3	0	0	0	0	6	22	3	0	0	120
121	10	0	0	0	0	0	0	0	0	0	130
131	0	0	0	0	0	3	0	0	0	0	140

ORIGIN ZONE	92	PURPOSE	2	78 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE		
1	0	0	0	0	0	0	2	0	0	0	10		
11	0	0	0	0	0	0	0	0	2	0	20		
31	0	1	0	0	0	0	0	0	0	2	40		
41	0	0	0	0	0	0	0	0	2	0	50		
51	0	0	0	0	0	0	0	0	2	0	60		
61	0	1	0	1	0	1	0	2	0	0	70		
71	1	0	0	0	1	2	0	3	0	0	80		
81	0	1	0	1	0	0	0	0	1	4	90		
91	2	0	1	0	5	2	4	0	0	0	100		
101	0	0	3	0	0	0	0	0	0	0	110		
111	4	0	0	0	0	0	7	0	0	0	120		

ORIGIN ZONE	92	PURPOSE	3	81 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1	0	5	0	0	0	3	0	5	0	0	10	
11	0	0	0	0	0	0	9	0	0	0	20	
31	0	13	3	5	0	0	0	0	0	0	40	
71	7	0	0	0	0	0	0	2	0	0	80	
111	0	0	0	0	0	0	6	0	0	0	120	
121	0	0	0	0	0	0	5	0	0	0	130	

ORIGIN ZONE	92	PURPOSE	4	98 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1	0	0	0	0	0	2	0	2	0	0	10	



MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
11	0	0	0	0	0	0	1	0	0	0	20
31	0	0	2	0	0	0	0	0	0	0	40
41	0	0	0	0	0	2	0	0	0	0	50
51	0	0	0	0	0	0	0	0	2	0	60
61	0	4	0	2	0	0	0	0	2	0	70
71	0	1	0	1	0	2	0	2	0	0	80
81	0	4	5	7	0	0	0	0	0	0	90
91	2	0	0	0	2	14	0	0	0	5	100
101	0	1	0	0	0	0	0	0	0	0	110
111	4	0	0	0	0	1	13	2	3	0	120
121	1	0	0	0	0	0	0	4	0	0	130
131	1	0	0	2	0	0	0	0	0	0	140

ORIGIN ZONE 93 PURPOSE 1 6321 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	11	0	4	23	68	97	134	15	0	10
11	0	0	1	4	0	0	64	2	23	43	20
21	7	9	4	5	4	0	1	0	0	0	30
31	2	42	26	25	9	0	2	0	0	20	40
41	2	0	0	2	1	2	9	0	2	22	50
51	4	11	0	1	5	43	10	10	63	20	60
61	1	204	45	55	0	16	34	10	146	19	70
71	171	41	25	37	9	24	17	66	8	15	80
81	113	217	284	355	0	0	9	35	153	274	90
91	101	3	161	9	330	706	38	28	75	33	100
101	24	48	65	193	431	0	7	8	0	0	110
111	60	0	2	0	0	49	430	31	20	2	120
121	42	1	0	0	0	2	13	0	8	10	130
131	67	0	15	10	17	11	9	0	0	8	140
141	0	0	8	1							

ORIGIN ZONE 93 PURPOSE 2 3048 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	10	0	3	6	4	8	21	0	0	10
11	0	0	0	1	0	0	7	0	7	6	20
21	0	4	1	0	0	0	0	0	0	0	30
31	0	3	3	4	4	1	1	0	0	11	40
41	0	0	2	0	0	3	2	0	0	7	50
51	3	4	0	0	6	17	5	4	24	1	60
61	3	50	13	15	5	3	18	1	44	17	70
71	72	11	8	43	4	18	5	21	4	13	80
81	76	108	174	150	0	0	11	31	96	168	90
91	97	2	121	3	242	420	43	28	75	33	100

MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
101	19	12	29	112	162	0	8	0	0	0	110
111	19	0	0	0	0	28	111	11	7	0	120
121	16	4	0	8	6	0	7	4	5	7	130
131	22	0	7	7	0	0	4	0	0	0	140
141	2	0	2	0							

ORIGIN ZONE 93 PURPOSE 3 225 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	9	0	0	3	0	9	10	0	0	10
11	0	0	0	0	0	0	11	5	0	0	20
21	0	0	0	0	0	0	2	0	0	0	30
31	0	3	0	3	0	0	0	0	0	0	40
41	0	0	0	0	0	0	2	10	0	0	50
51	1	4	7	14	0	0	0	0	0	2	60
61	2	0	8	0	0	21	3	0	0	0	70
71	8	0	0	12	12	0	0	0	0	0	80
81	0	0	0	0	0	3	21	13	3	0	90
91	2	0	0	0	0	14	12	0	0	0	100
101	0	0	4	0							

ORIGIN ZONE 93 PURPOSE 4 1993 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	11	0	4	4	26	24	18	2	0	10
11	0	2	0	1	0	0	19	2	8	15	20
21	0	1	2	2	2	0	4	0	0	0	30
31	0	17	4	9	9	0	0	6	0	28	40
41	1	0	0	2	1	1	12	0	0	8	50
51	2	4	2	2	3	24	10	2	42	0	60
61	0	56	17	21	0	4	24	2	46	10	70
71	31	8	5	17	1	10	3	16	0	5	80
81	86	28	95	111	0	0	0	9	18	58	90
91	17	0	22	0	51	144	44	16	21	18	100
101	7	14	23	98	87	0	4	2	0	0	110
111	26	0	0	0	0	44	125	57	40	6	120
121	14	6	0	0	0	0	16	8	0	3	130
131	30	0	13	2	0	0	16	0	2	0	140

ORIGIN ZONE 94 PURPOSE 1 148 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	0	4	5	0	0	10
11	0	0	0	0	0	0	0	0	0	2	20



MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
31	0	0	0	0	0	0	0	0	0	2	40
51	0	0	0	0	0	6	2	1	3	0	60
61	0	5	0	0	0	0	0	0	2	0	70
71	1	4	0	3	0	0	0	0	0	0	80
81	0	1	3	6	0	0	0	1	0	3	90
91	2	0	9	2	1	3	3	1	2	2	100
101	6	2	3	10	26	0	0	0	0	0	110
111	0	0	0	0	0	0	10	2	0	0	120
121	0	0	0	0	0	0	1	0	2	0	130
131	4	0	0	0	0	0	0	0	0	0	140
141	0	0	3	0	0	0	0	0	0	0	140

ORIGIN ZONE	94	PURPOSE 2		72 TOTAL ORIG/PROD							
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	0	0	2	0	0	10
21	0	0	0	0	3	0	0	0	0	0	30
51	0	0	0	0	0	0	0	0	1	0	60
61	0	5	2	3	0	0	0	0	0	2	70
71	0	0	0	0	0	0	1	0	0	0	80
81	0	0	3	0	0	0	2	0	0	2	90
91	0	0	4	0	4	3	0	0	0	3	100
101	13	0	4	1	3	0	0	0	0	0	110
111	0	2	0	0	0	0	0	1	1	0	120
121	0	0	0	0	0	0	4	0	0	0	130
131	3	0	0	0	0	0	0	0	0	0	140

ORIGIN ZONE	94	PURPOSE 3		38 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1	0	0	0	0	0	0	0	5	0	0	10	
51	0	0	6	0	0	0	0	0	0	0	90	
101	0	0	0	0	18	0	0	0	0	0	110	
111	0	0	0	0	0	0	9	0	0	0	120	

ORIGIN ZONE	94	PURPOSE	4	79 TOTAL ORIG/PROD							
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
51	0	0	0	0	0	2	0	0	0	0	60
71	0	1	0	0	0	0	0	0	0	0	80
81	0	0	0	0	0	0	0	0	0	6	90
91	0	0	0	0	12	5	0	0	0	4	100
101	2	0	2	0	3	0	1	0	0	0	110
111	4	0	0	0	0	11	2	0	0	0	120

MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
121	9	0	0	0	0	7	3	0	0	0	130
131	5	0	0	0	0	0	0	0	0	0	140

ORIGIN ZONE	95	PURPOSE	1	717 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1	0	0	0	0	2	5	6	5	0	0	10	
11	0	0	0	0	0	0	2	0	0	4	20	
21	1	0	0	0	0	0	0	0	0	0	30	
31	0	0	2	3	0	0	0	0	0	0	40	
41	0	0	0	0	0	2	2	0	0	0	50	
51	0	0	0	0	0	0	0	0	1	0	60	
61	0	9	2	1	0	0	0	0	5	0	70	
71	2	0	0	3	0	1	5	3	0	2	80	
81	7	13	0	3	0	2	6	18	23	16	90	
91	7	1	129	1	4	2	2	0	5	2	100	
101	1	30	8	46	60	0	0	0	0	0	110	
111	0	0	0	0	0	2	12	5	0	0	120	
121	1	0	0	0	0	0	0	2	1	0	130	
131	10	0	0	0	0	0	0	0	0	0	140	

ORIGIN ZONE	95	PURPOSE	2	482 TOTAL ORIG/PROD							
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	2	4	2	0	0	0	10
11	0	0	0	0	0	0	0	0	3	0	20
41	0	0	0	0	0	1	0	0	0	3	50
51	0	0	0	0	2	4	0	0	0	1	60
61	0	5	0	2	0	0	2	0	0	2	70
71	5	0	0	2	1	0	0	2	1	0	80
81	1	3	7	4	0	3	12	14	4	21	90
91	16	3	242	4	6	5	0	2	2	3	100
101	4	3	2	36	29	0	0	0	0	0	110
111	0	0	0	0	0	0	0	1	1	0	120
131	4	0	0	2	0	0	0	0	0	0	140
141	4	0	0	0	0	0	0	0	0	0	140

ORIGIN ZONE	95	PURPOSE 3		23 TOTAL ORIG/PROD							
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	5	0	0	0	0	10
31	0	0	0	0	0	0	0	0	0	0	40
61	0	0	0	0	0	0	0	0	2	0	70
71	0	1	0	0	0	0	0	0	0	0	80



MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
61	3	0	0	0	0	0	0	0	0	0	90
91	0	0	1	0	0	0	1	0	0	0	100
101	0	0	0	0	2	0	0	0	0	0	110
ORIGIN ZONE 95	PURPOSE 4	215 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	1	0	0	2	2	4	0	0	0	10
11	0	0	0	0	0	0	2	0	0	2	20
21	0	0	0	0	0	0	2	0	0	0	30
31	0	0	0	0	0	2	0	0	0	0	40
41	0	0	0	0	0	0	1	0	0	0	60
51	0	0	0	0	0	0	0	0	0	0	70
61	0	1	1	0	0	0	0	0	3	0	80
71	3	3	0	4	0	2	1	0	0	0	90
81	1	1	4	6	0	0	5	8	11	9	100
91	3	0	51	13	0	2	12	0	4	0	110
101	0	0	0	2	24	0	2	6	0	0	120
121	4	0	0	0	0	0	0	0	0	0	130
131	6	0	2	0	0	0	1	0	1	0	140
ORIGIN ZONE 96	PURPOSE 1	5495 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	2	0	2	3	9	35	55	1	0	10
11	0	0	0	3	2	0	20	2	3	4	20
21	0	3	1	0	0	1	0	0	0	0	30
31	0	14	5	7	6	0	0	0	0	7	40
41	2	0	0	0	2	2	2	0	3	0	50
51	6	0	0	0	3	19	1	4	17	0	60
61	0	56	12	15	0	3	12	1	30	9	70
71	35	1	5	6	0	15	17	9	5	4	80
81	19	21	28	47	0	0	35	137	27	485	90
91	12	19	705	4	2	21	52	3	10	6	100
101	60	24	155	783	1422	3	22	6	0	2	110
111	33	3	0	0	0	67	536	57	18	0	120
121	25	8	0	3	5	0	10	9	0	3	130
131	40	0	14	25	7	23	4	0	0	0	140
141	0	0	10	0							
ORIGIN ZONE 96	PURPOSE 2	2112 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	1	0	0	0	4	1	3	0	0	10
11	0	0	0	0	0	0	7	0	1	3	20

MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
21	1	0	1	0	0	0	4	0	0	0	30
31	0	3	0	3	0	0	0	0	0	1	40
41	0	0	0	0	0	1	0	0	0	1	50
51	1	0	0	0	2	8	0	0	11	0	60
61	0	12	4	2	2	2	5	2	9	4	70
71	16	0	0	9	0	7	1	4	4	0	80
81	9	13	13	9	1	3	19	46	14	321	90
91	15	3	419	5	5	14	28	5	6	1	100
101	20	33	70	233	374	0	7	0	0	0	110
111	52	0	0	3	0	24	128	14	11	3	120
121	4	8	1	2	0	0	3	7	3	14	130
131	19	0	0	7	0	0	0	0	0	0	140
141	1	0	2	0							
ORIGIN ZONE 96	PURPOSE 3	287 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	0	0	5	0	0	10
21	0	0	0	0	0	0	3	0	0	0	30
31	0	0	0	5	0	0	0	0	0	0	40
41	0	0	0	0	0	0	0	0	0	3	60
51	0	0	0	0	0	0	0	0	2	3	70
61	0	0	0	0	0	0	0	0	0	0	80
71	0	0	0	0	0	0	6	0	0	0	90
81	0	0	20	0	0	0	3	0	0	0	100
91	0	0	0	37	45	0	0	0	0	0	110
101	0	0	0	0	0	18	0	0	0	0	120
111	0	0	0	0	0	3	4	0	0	0	130
121	0	0	0	0	0	0	12	0	0	0	140
131	0	0	38	0							
141	0	0									
ORIGIN ZONE 96	PURPOSE 4	1571 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	1	6	0	2	2	4	11	5	3	0	10
11	0	0	0	0	1	0	12	0	2	12	20
21	10	0	0	8	0	0	2	0	0	0	30
31	0	5	6	9	4	0	0	4	0	8	40
41	4	0	0	0	5	1	0	0	0	10	50
51	0	0	0	0	1	15	1	1	26	0	60
61	0	22	8	8	0	0	9	1	14	4	70
71	31	3	0	1	1	3	0	1	0	0	80
81	13	12	18	48	6	0	16	36	19	152	90
91	23	15	143	5	2	3	23	2	0	2	100
101	14	19	35	246	103	5	15	5	0	0	110
111	33	0	0	6	0	37	107	27	17	0	120



TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
121	12	0	3	6	0	1	12	0	2	4	130
131	16	0	2	6	0	0	12	0	0	5	140
141	0	0	4	0							
ORIGIN ZONE 97	PURPOSE 1	1176 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	0	5	4	0	0	10
31	0	1	0	0	0	0	0	0	0	0	40
51	0	0	0	0	0	0	0	3	0	3	60
61	0	9	3	1	0	1	0	0	6	0	70
71	2	1	0	0	0	2	0	3	1	0	80
81	0	3	0	2	0	0	4	5	0	23	90
91	2	0	38	2	2	51	95	0	3	1	100
101	26	8	17	153	433	8	9	6	0	1	110
111	11	0	0	0	0	11	131	10	5	4	120
121	17	0	0	0	2	0	6	10	0	0	130
131	19	0	3	0	0	6	2	0	0	0	140
141	0	0	2	0							
ORIGIN ZONE 97	PURPOSE 2	606 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	0	1	0	0	0	10
11	0	0	0	0	0	0	3	0	0	2	20
61	0	1	2	0	0	0	0	0	1	0	70
71	4	0	0	1	0	1	0	0	1	0	80
81	2	1	0	4	0	0	2	4	1	5	90
91	0	4	43	0	1	29	77	0	0	1	100
101	36	1	13	82	169	2	1	0	0	1	110
111	13	0	0	0	0	24	25	1	1	0	120
121	3	0	0	1	0	0	1	12	0	0	130
131	20	0	3	3	0	1	0	0	0	0	140
141	0	0	2	0							
ORIGIN ZONE 97	PURPOSE 3	43 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
91	0	0	3	0	2	3	7	0	0	0	100
101	0	0	0	14	11	0	0	0	0	0	110
111	0	0	0	0	0	0	0	3	0	0	120
ORIGIN ZONE 97	PURPOSE 4	620 TOTAL ORIG/PROD									

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	2	5	0	0	0	10
11	0	0	0	0	0	0	0	0	8	0	20
31	0	2	3	2	0	0	0	0	0	9	40
41	0	0	0	6	0	2	0	0	0	2	50
51	0	0	0	0	0	4	0	0	4	0	60
61	0	4	1	2	0	1	2	0	7	0	70
71	4	5	0	2	0	0	4	2	0	0	80
81	5	1	6	0	0	0	8	2	2	17	90
91	0	0	44	0	11	23	49	2	0	2	100
101	22	1	0	62	86	2	4	5	3	2	110
111	4	0	0	0	0	12	42	15	13	0	120
121	6	6	0	2	0	0	4	0	0	17	130
131	21	0	10	0	0	0	4	0	0	0	140
ORIGIN ZONE 98	PURPOSE 1	1081 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	4	0	3	0	0	10
11	0	0	0	0	0	0	0	0	2	0	20
31	0	0	0	1	0	0	0	0	0	0	40
41	0	0	0	0	0	0	0	0	0	3	50
61	0	3	2	0	0	0	0	0	6	3	70
71	1	3	0	0	0	0	0	0	0	0	80
81	0	0	6	1	6	6	13	18	3	69	90
91	0	0	29	2	0	4	0	2	0	4	100
101	3	0	30	87	605	9	5	0	0	0	110
111	4	0	0	0	2	13	89	6	0	0	120
121	12	0	0	0	0	0	2	0	0	0	130
131	15	0	11	0	0	0	0	0	0	0	140
ORIGIN ZONE 98	PURPOSE 2	571 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	1	0	0	0	0	10
51	1	0	0	0	0	0	0	0	0	0	60
61	0	0	0	0	0	0	3	0	0	1	70
81	4	1	0	4	1	2	15	18	0	69	90
91	2	0	28	0	2	4	0	17	2	4	100
101	1	0	14	50	264	3	0	0	0	0	110
111	0	0	0	0	0	6	14	2	1	0	120
121	8	4	0	0	0	0	3	1	0	3	130
131	12	0	4	0	0	0	0	0	0	0	140
ORIGIN ZONE 98	PURPOSE 3	21 TOTAL ORIG/PROD									



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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
41	0	0	5	0	0	0	0	0	0	0	50
81	0	0	0	0	0	0	1	0	0	7	90
131	0	0	0	0	0	8	0	0	0	0	140
ORIGIN ZONE 98	PURPOSE 4	213 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	1	0	0	0	0	4	6	0	0	10
21	0	0	0	0	0	4	0	0	0	0	30
31	0	0	0	0	2	0	0	0	0	0	40
41	0	0	0	0	0	0	0	0	0	2	50
61	0	0	0	0	0	0	0	0	4	0	70
71	0	0	0	0	0	0	0	1	0	0	80
81	0	1	0	2	0	0	0	14	11	11	90
91	0	0	17	0	0	2	1	0	0	0	100
101	0	0	0	32	31	3	9	0	0	1	110
111	3	0	0	8	0	1	14	11	7	0	120
121	2	0	0	0	0	0	0	0	0	4	130
131	12	0	0	0	0	0	0	0	0	0	140
ORIGIN ZONE 99	PURPOSE 1	1233 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	2	0	0	2	5	20	20	0	0	10
11	0	0	0	1	0	0	7	0	0	0	20
21	0	5	2	0	0	0	0	0	0	0	30
31	0	2	0	4	2	0	0	0	0	0	40
41	0	0	0	0	0	3	0	0	0	0	50
51	0	0	0	0	0	2	0	1	5	0	60
61	0	20	5	5	0	0	3	0	16	1	70
71	14	0	0	0	4	3	3	3	0	0	80
81	3	10	4	18	0	3	11	21	5	11	90
91	7	2	75	1	5	11	3	0	0	3	100
101	4	18	245	174	1657	9	27	33	21	0	110
111	14	0	4	0	0	46	311	33	21	0	120
121	49	0	0	0	3	5	0	0	0	0	130
131	29	0	18	1	0	12	0	0	0	0	140
141	0	0	1	0	0	0	0	0	0	0	0
ORIGIN ZONE 99	PURPOSE 2	1506 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	1	0	3	0	0	0	10
31	0	0	1	0	0	0	0	0	0	1	40

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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
41	0	0	1	0	0	0	0	0	0	0	50
51	0	0	1	0	3	0	0	0	6	0	60
61	0	0	1	0	0	0	0	0	0	1	70
71	3	0	0	4	1	0	0	0	0	2	80
81	5	0	0	9	0	0	19	0	5	11	90
91	20	0	75	0	2	4	0	2	0	5	100
101	7	29	90	212	826	3	7	2	0	0	110
111	17	0	0	0	0	13	73	6	3	0	120
121	8	1	0	5	0	0	5	0	0	0	130
131	14	0	0	0	0	0	0	0	0	0	140
ORIGIN ZONE 99	PURPOSE 3	92 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	5	0	0	0	0	0	0	0	0	10
51	0	0	0	0	0	3	0	0	0	0	60
101	0	0	0	0	51	0	0	0	0	0	110
131	18	0	0	0	0	8	0	0	0	0	140
141	0	0	7	0	0	0	0	0	0	0	0
ORIGIN ZONE 99	PURPOSE 4	877 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	2	0	1	0	6	2	4	0	0	10
11	0	0	0	0	0	0	2	0	0	0	20
21	0	1	0	2	0	0	0	0	0	0	30
31	0	7	4	2	0	0	0	0	0	3	40
41	0	0	0	0	0	0	2	0	0	1	50
51	2	0	2	0	0	4	0	0	4	0	60
61	0	4	0	2	0	0	2	0	4	0	70
71	9	1	0	0	0	2	0	4	0	0	80
81	16	0	0	12	0	0	2	6	0	22	90
91	0	0	21	0	4	0	0	0	9	0	100
101	6	17	55	216	205	20	65	24	19	0	110
111	6	0	0	4	0	20	65	24	19	0	120
121	7	8	0	0	0	0	4	4	0	8	130
131	14	0	0	6	0	0	0	0	0	0	140
ORIGIN ZONE 100	PURPOSE 1	2464 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	2	0	0	2	0	5	4	0	0	10
21	5	0	0	0	0	0	0	0	0	0	30
31	0	0	1	2	0	0	0	0	0	2	40



TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
41	0	0	0	0	0	0	4	0	0	0	50
51	0	0	0	0	0	1	0	0	2	0	60
61	0	2	0	1	0	0	0	0	3	0	70
71	0	0	3	0	0	5	0	3	0	0	80
81	3	1	3	10	0	2	4	15	0	23	90
91	0	0	33	2	1	6	1	4	4	4	100
101	4	20	67	240	1579	6	15	5	0	0	110
111	14	0	0	0	0	35	207	25	8	0	120
121	0	5	0	5	1	3	3	2	0	11	130
131	19	0	11	4	0	3	0	0	0	0	140
141	0	1	0	0	0	0	0	0	0	0	

ORIGIN ZONE 100 PURPOSE 2 1214 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
21	0	0	0	0	1	0	0	0	0	0	30
31	0	1	0	0	0	0	0	0	0	0	40
41	0	0	0	0	0	0	2	0	0	0	60
51	0	0	0	0	0	0	1	1	2	0	70
61	0	1	0	0	0	0	0	0	0	0	80
71	2	6	2	0	1	1	6	5	0	12	90
81	0	0	33	2	4	2	1	4	4	2	100
91	3	9	40	101	815	8	6	0	0	0	110
101	7	0	4	0	0	24	45	7	3	2	120
111	19	0	0	0	0	0	4	7	0	3	130
121	9	0	3	7	0	0	0	0	0	0	140
131	0	0	1	0	0	0	0	0	0	0	
141	0	0	0	0	0	0	0	0	0	0	

ORIGIN ZONE 100 PURPOSE 3 11 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	0	0	5	0	0	10
81	0	0	0	0	0	0	0	0	0	1	90
131	0	0	0	0	0	5	0	0	0	0	140

ORIGIN ZONE 100 PURPOSE 4 423 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	3	0	0	2	4	0	4	0	0	10
31	0	2	0	2	0	0	0	0	0	0	40
51	0	0	0	1	0	0	0	0	0	0	60
61	2	1	0	1	0	0	0	0	0	0	70
71	7	0	0	0	0	3	0	3	0	4	80
81	4	2	2	2	0	0	12	0	6	9	90

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
91	0	7	18	3	0	2	2	0	0	0	100
101	2	0	13	30	100	3	6	14	0	0	110
111	13	0	0	1	0	9	53	20	15	4	120
121	4	0	6	0	0	0	1	0	0	0	130
131	14	0	0	2	3	0	0	0	0	2	140

ORIGIN ZONE 101 PURPOSE 1 851 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	3	0	0	0	0	0	2	2	0	10
11	0	2	0	0	0	0	4	0	0	0	20
31	0	0	0	0	0	0	4	0	2	0	60
61	0	1	2	0	0	0	0	0	1	0	70
71	5	0	0	0	0	0	2	1	2	0	80
81	3	7	3	0	0	0	2	4	2	0	90
91	1	0	26	5	1	62	24	2	6	5	100
101	384	2	8	28	80	0	0	0	0	0	110
111	0	0	3	0	0	14	31	3	10	0	120
121	12	0	0	0	0	0	21	39	0	0	130
131	22	0	0	0	1	5	0	0	0	0	140

ORIGIN ZONE 101 PURPOSE 2 711 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	2	0	0	0	2	0	0	10
61	0	2	0	0	0	0	0	0	4	0	70
71	6	0	0	0	0	0	0	1	2	2	80
81	0	0	0	1	0	0	4	0	0	0	90
91	0	0	18	12	3	19	36	2	7	2	100
101	351	6	8	47	68	0	0	0	0	0	110
111	0	0	0	1	0	2	19	2	1	0	120
121	0	0	0	0	0	0	23	40	0	0	130
131	15	0	0	0	0	0	2	0	0	0	140
141	0	0	1	0	0	0	0	0	0	0	

ORIGIN ZONE 101 PURPOSE 3 33 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
71	1	0	0	0	0	0	0	4	0	0	80
91	0	0	6	0	0	0	0	0	0	0	100
101	4	0	0	1	5	0	0	0	0	0	110
111	0	0	0	0	0	0	4	0	0	0	120
121	0	0	0	0	0	0	0	3	0	0	130
141	0	0	5	0	0	0	0	0	0	0	



ORIGIN ZONE	101	PURPOSE		4		217 TOTAL ORIG/PROD										
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE				
1		0	2	0	0	0	2	1	6	0	0	10				
41		0	0	0	0	0	0	0	0	0	2	50				
51		0	0	0	0	0	0	0	0	2	0	60				
61		0	2	0	1	0	0	0	2	1	0	70				
71		5	0	0	0	0	0	0	0	0	0	80				
81		0	1	0	0	0	0	0	0	0	0	90				
91		0	0	0	1	0	16	20	0	3	4	100				
101		30	0	0	22	10	0	0	0	0	0	110				
111		0	0	0	0	0	2	8	4	3	0	120				
121		5	0	0	0	0	6	4	8	0	0	130				

ORIGIN ZONE	102	PURPOSE 1		1367 TOTAL ORIG/PROD										
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE		
1		0	0	0	2	1	4	2	11	0	0	10		
11		0	0	0	0	0	0	1	0	0	0	20		
31		0	0	0	4	1	0	2	0	0	2	40		
41		0	0	0	0	0	0	0	0	0	4	50		
51		0	0	0	0	0	0	0	0	3	0	60		
61		0	14	3	4	0	0	0	2	3	0	70		
71		9	0	2	0	0	0	0	0	0	0	80		
81		0	0	0	12	0	0	1	0	0	2	90		
91		0	0	50	1	27	25	7	0	13	23	100		
101		2	0	2	2	3	0	6	0	0	0	110		
111		15	0	0	0	0	109	860	46	0	0	120		
121		19	0	0	0	0	0	6	3	0	0	130		
131		59	0	0	0	0	0	0	0	0	0	140		

ORIGIN ZONE	102	PURPOSE		2		466 TOTAL ORIG/PROD										
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE				
11		0	0	0	0	0	0	0	0	0	1	20				
41		0	0	0	0	0	0	0	0	0	3	50				
51		0	0	0	0	0	1	2	0	0	0	60				
61		0	1	0	0	0	0	2	0	0	0	70				
71		4	0	0	3	0	0	0	1	0	0	80				
81		0	0	0	1	0	0	4	0	0	1	90				
91		3	0	11	0	5	33	1	0	27	9	100				
101		6	0	0	0	4	0	0	0	0	0	110				
111		0	0	26	0	0	39	231	15	9	0	120				
121		0	0	0	0	0	0	0	3	0	0	130				
131		5	0	2	8	0	5	0	0	0	0	140				

ORIGIN ZONE	102	PURPOSE		3	15 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE			
131	0	0	15	0	0	0	0	0	0	0	140			

ORIGIN ZONE	102	PURPOSE		4		296 TOTAL ORIG/PROD										
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE				
1		0	1	0	2	0	2	0	0	0	0	10				
11		0	0	0	0	0	0	2	0	0	0	20				
21		0	0	0	6	0	0	0	0	0	0	30				
31		0	2	2	1	4	0	0	0	0	3	40				
41		0	0	0	0	0	0	0	0	0	2	50				
51		0	0	0	0	0	3	2	3	1	0	60				
61		0	5	2	4	0	0	0	0	2	1	70				
71		11	0	0	1	0	4	0	1	0	0	80				
81		2	0	4	4	0	4	2	1	0	1	90				
91		0	2	15	3	0	13	2	0	20	0	100				
101		0	0	0	0	0	20	79	23	17	0	110				
111		0	0	0	0	0	0	2	0	0	3	120				
121		0	0	0	6	0	0	0	0	0	0	130				
131		0	0	0	0	0	0	0	0	0	0	140				
141		0	0	3	0											

ORIGIN ZONE	103	PURPOSE		1	2255 TOTAL ORIG/PROD										
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE			
1		0	2	0	0	1	11	9	13	0	0	10			
11		0	0	0	0	0	0	3	0	2	0	20			
21		0	0	2	0	0	0	0	0	0	0	30			
31		0	3	4	6	0	0	0	7	0	0	40			
41		0	0	0	1	0	1	0	0	0	0	50			
51		0	9	0	1	0	2	0	0	9	0	60			
61		0	15	4	3	4	3	3	0	13	0	70			
71		13	0	0	0	0	0	0	1	0	0	80			
81		9	0	4	8	0	0	15	15	0	8	90			
91		7	2	67	2	8	155	16	29	244	70	100			
101		8	2	0	20	8	0	0	0	0	0	110			
111		102	0	12	10	0	228	794	117	31	0	120			
121		76	0	0	10	0	0	0	2	0	0	130			
131		39	0	0	13	0	0	2	0	0	0	140			
141		0	0	2	0	0	0	0	0	0	0	140			

ORIGIN ZONE	103	PURPOSE		2	740 TOTAL ORIG./PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE		



MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	0	1	1	0	0	10
11	0	0	0	2	0	0	0	1	0	0	20
31	0	0	0	1	0	0	0	0	0	0	40
51	0	0	0	0	0	0	0	0	0	1	60
61	0	3	0	0	0	0	5	0	3	0	70
71	3	0	0	0	0	0	1	1	0	0	80
81	5	0	1	6	0	0	0	4	0	5	90
91	0	4	32	1	0	73	13	14	89	40	100
101	8	0	0	7	6	0	0	0	0	0	110
111	36	0	0	0	0	34	177	27	15	0	120
121	39	12	14	17	0	0	0	10	0	0	130
131	25	0	2	1	0	0	0	0	0	0	140

ORIGIN ZONE 103 PURPOSE 3 64 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	0	0	13	0	0	10
61	0	7	1	2	0	0	0	0	0	0	70
111	0	0	0	0	0	0	13	0	0	0	120
121	15	0	0	0	0	0	0	0	0	0	130
131	0	0	0	0	0	0	10	0	0	0	140
141	0	0	1	0	0	0	0	0	0	0	140

ORIGIN ZONE 103 PURPOSE 4 693 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	3	0	0	4	0	0	6	0	0	10
11	0	0	0	0	0	0	5	0	1	0	20
21	5	0	0	0	0	0	0	0	0	0	30
31	0	2	0	1	0	0	0	0	0	2	40
41	0	0	0	0	0	2	2	0	0	1	50
51	0	1	0	0	0	3	3	0	0	2	60
61	0	15	4	5	0	0	5	0	7	0	70
71	5	1	0	0	0	0	1	1	0	0	80
81	8	3	2	1	0	0	4	10	0	0	90
91	0	0	22	4	0	35	3	0	55	15	100
101	8	0	0	2	0	0	0	0	0	0	110
111	9	0	0	10	0	39	77	66	50	0	120
121	30	20	0	18	0	0	0	0	0	21	130
131	63	0	20	0	0	9	0	0	0	0	140

ORIGIN ZONE 104 PURPOSE 1 4887 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
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MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	3	0	0	19	12	14	43	0	0	10
11	0	0	0	2	0	0	9	0	0	2	20
21	0	1	2	0	0	0	2	0	0	0	30
31	0	9	5	5	2	1	0	2	0	6	40
41	0	0	2	0	0	0	3	0	0	3	50
51	0	4	0	0	1	7	1	2	12	4	60
61	2	39	13	11	0	6	14	3	28	1	70
71	23	2	4	3	5	0	0	8	0	0	80
81	27	6	17	29	0	0	21	14	5	87	90
91	12	10	190	12	44	783	153	87	374	237	100
101	28	3	19	114	474	1	2	0	0	0	110
111	44	0	16	0	13	182	1097	91	109	12	120
121	109	0	17	0	0	0	4	12	0	12	130
131	52	0	11	11	0	9	4	0	0	0	140
141	0	1	3	0	0	0	0	0	0	0	140

ORIGIN ZONE 104 PURPOSE 2 2327 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	1	3	1	0	5	5	0	0	10
11	0	0	0	0	0	0	3	0	1	1	20
31	0	2	0	2	1	0	0	0	0	2	40
41	0	0	0	0	0	0	2	0	0	1	50
51	0	2	0	1	0	7	2	0	3	1	60
61	0	8	1	3	1	5	2	2	13	1	70
71	7	0	0	5	1	0	0	3	0	2	80
81	6	0	6	11	0	1	10	27	5	47	90
91	12	0	113	3	40	220	82	51	212	106	100
101	46	0	7	103	317	2	3	0	0	0	110
111	134	0	24	7	12	24	243	73	42	12	120
121	72	3	12	12	0	7	7	17	0	9	130
131	43	0	0	10	8	14	0	0	0	0	140
141	0	0	5	0	0	0	0	0	0	0	140

ORIGIN ZONE 104 PURPOSE 3 76 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	5	0	0	0	0	0	3	0	0	10
91	0	0	11	0	0	37	13	0	0	0	100
101	2	0	0	0	5	0	0	0	0	0	110

ORIGIN ZONE 104 PURPOSE 4 1788 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
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MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	7	0	0	2	6	2	16	0	0	10
11	0	0	0	0	1	0	17	0	2	10	20
21	0	1	0	1	4	0	0	0	0	0	30
31	0	6	0	11	2	0	0	1	0	10	40
41	2	0	0	2	0	2	2	0	0	3	50
51	3	6	0	1	4	9	2	0	13	2	60
61	0	21	7	7	0	4	14	6	19	5	70
71	36	1	0	4	1	6	4	28	1	26	80
81	20	18	12	31	0	1	18	28	1	26	90
91	9	0	98	0	4	246	62	29	215	31	100
101	23	0	1	25	43	0	0	0	0	0	110
111	10	0	11	9	0	99	96	84	64	0	120
121	34	0	11	20	0	0	1	14	0	11	130
131	35	0	12	22	6	12	0	0	0	0	140

ORIGIN ZONE 103 PURPOSE 1 13989 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	13	0	14	11	52	105	131	10	0	10
11	0	0	0	5	0	7	27	0	12	13	20
21	0	7	2	2	5	0	0	0	0	0	30
31	0	24	7	29	2	7	2	2	0	24	40
41	8	0	5	4	0	2	8	0	4	11	50
51	7	0	0	0	15	26	6	7	29	8	60
61	4	151	14	40	3	9	17	3	79	13	70
71	73	11	6	20	12	6	3	36	0	10	80
81	34	31	29	62	6	5	54	53	5	100	90
91	8	10	431	25	76	1421	435	607	1659	1584	100
101	80	5	8	473	478	0	0	0	0	0	110
111	73	0	17	0	0	437	3237	287	60	44	120
121	267	0	0	59	0	11	33	129	0	28	130
131	233	0	42	67	0	55	20	0	4	5	140
141	0	0	14	0	0	0	0	0	0	0	0

ORIGIN ZONE 103 PURPOSE 2 5545 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	1	1	0	4	4	9	19	0	0	10
11	0	0	0	1	4	0	7	0	6	21	20
21	1	0	1	0	0	0	0	0	0	0	30
31	0	5	1	1	2	0	0	2	0	2	40
41	0	0	0	0	0	0	0	0	0	4	50
51	2	0	0	0	5	5	1	2	1	3	60
61	1	31	9	10	0	6	20	1	22	3	70
71	31	5	1	17	5	7	1	10	2	0	80

MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
81	8	13	25	32	0	3	22	40	2	69	90
91	4	0	161	2	29	374	169	263	827	811	100
101	68	4	4	318	496	5	3	63	36	5	110
111	34	0	12	2	5	272	667	63	0	9	120
121	95	5	10	14	14	0	3	34	0	9	130
131	137	0	17	20	11	12	8	0	0	0	140
141	0	0	8	1	0	0	0	0	0	0	0

ORIGIN ZONE 105 PURPOSE 3 462 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	8	0	57	13	0	0	10
41	0	0	0	0	8	3	0	0	0	0	50
51	0	0	0	0	0	0	0	0	4	0	60
61	0	10	5	3	0	0	0	0	2	0	70
71	6	0	0	2	0	0	0	0	0	0	80
81	0	8	0	4	0	0	0	0	0	0	90
91	4	0	12	17	2	47	12	0	49	0	100
101	6	0	0	6	4	0	0	0	0	0	110
111	0	0	0	0	0	52	68	0	14	0	120
131	0	15	0	0	0	17	0	0	0	0	140

ORIGIN ZONE 105 PURPOSE 4 2358 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	1	20	0	2	6	28	26	22	2	0	10
11	0	0	0	0	0	0	44	0	37	31	20
21	6	0	1	1	1	2	2	2	0	0	30
31	0	21	9	8	1	0	2	1	0	20	40
41	0	0	2	2	5	3	3	0	2	9	50
51	6	2	0	0	8	10	2	1	7	2	60
61	0	32	10	12	0	12	6	4	30	6	70
71	26	27	5	7	2	3	5	0	1	4	80
81	18	4	22	19	4	0	17	24	0	21	90
91	5	0	90	1	24	102	85	34	203	98	100
101	37	0	0	43	29	0	1	0	0	0	110
111	10	0	0	11	0	136	348	89	65	25	120
121	0	0	0	17	0	18	11	5	0	20	130
131	91	0	11	9	0	5	37	3	0	2	140
141	0	0	10	0	0	0	0	0	0	0	0

ORIGIN ZONE 106 PURPOSE 1 199 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
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MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
41	0	0	0	3	0	0	0	0	0	0	50
71	2	0	0	0	0	0	1	0	0	0	80
81	0	0	0	2	0	0	0	2	0	0	90
91	0	0	0	0	0	2	6	13	8	4	100
101	0	0	0	3	0	0	0	0	0	0	110
111	0	0	0	0	0	37	63	9	3	0	120
121	14	8	0	0	0	0	0	10	0	3	130
131	0	0	0	2	0	4	0	0	0	0	140
ORIGIN ZONE 106	PURPOSE 2	109 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
51	1	0	0	0	0	0	0	0	0	0	60
81	0	0	3	0	0	0	0	0	0	0	90
91	0	0	0	0	0	0	1	2	4	8	100
101	0	0	0	1	4	0	0	0	0	0	110
111	0	0	0	0	0	12	19	0	0	0	120
121	7	0	0	0	0	0	0	20	0	0	130
131	3	0	0	0	0	2	2	0	0	0	140
ORIGIN ZONE 106	PURPOSE 3	50 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
121	50	0	0	0	0	0	0	0	0	0	130
ORIGIN ZONE 106	PURPOSE 4	59 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	2	0	0	0	0	10
11	0	0	0	0	0	0	0	0	0	2	20
51	0	0	0	0	0	1	0	0	0	0	60
81	2	0	0	0	0	0	0	0	0	0	90
91	2	0	0	0	0	3	1	2	0	4	100
101	0	0	0	0	0	0	0	0	0	10	110
111	0	0	0	0	0	0	14	7	5	0	120
131	0	0	0	0	0	0	2	0	0	0	140
ORIGIN ZONE 107	PURPOSE 1	890 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
11	0	0	0	0	0	0	2	0	7	0	20
51	1	0	0	0	0	0	0	1	1	0	60
71	0	0	0	0	0	2	0	0	0	0	80

MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
81	0	1	3	0	0	0	2	0	0	0	90
91	0	0	6	0	0	23	9	4	25	17	100
101	0	6	0	2	0	0	0	0	0	0	110
111	0	0	0	0	0	122	468	19	29	0	120
121	10	0	0	8	0	0	12	43	0	4	130
131	34	0	13	4	11	0	0	0	0	0	140
ORIGIN ZONE 107	PURPOSE 2	415 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
11	0	0	0	0	0	0	1	0	0	0	20
31	0	1	0	0	0	0	0	0	0	0	40
61	0	0	2	0	0	0	0	0	0	0	70
71	2	0	0	0	0	0	0	0	0	0	80
81	0	3	0	0	0	0	0	0	0	2	90
91	5	0	8	0	0	9	2	0	11	4	100
101	0	0	0	2	3	0	0	0	0	0	110
111	0	0	0	0	0	81	169	3	3	0	120
121	14	0	0	7	0	0	4	25	0	4	130
131	30	0	8	0	2	5	2	0	0	0	140
141	0	0	1	0							
ORIGIN ZONE 107	PURPOSE 3	73 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
71	0	0	0	1	0	0	0	0	0	0	80
111	0	0	0	0	0	0	72	0	0	0	120
ORIGIN ZONE 107	PURPOSE 4	405 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	1	1	2	0	0	10
11	0	0	0	0	0	0	1	0	6	2	20
21	0	0	0	0	0	0	2	0	0	0	30
51	0	0	0	0	2	0	0	0	7	0	60
61	0	2	0	0	0	0	1	0	2	2	70
71	4	0	0	0	0	4	0	6	0	4	80
81	2	0	0	0	0	0	0	10	0	4	90
91	0	0	5	1	4	16	4	12	2	7	100
101	0	0	0	0	1	0	0	4	0	0	110
111	0	0	0	0	0	68	90	16	16	5	120
121	0	0	0	10	0	0	12	0	0	7	130
131	34	0	7	5	1	0	8	0	0	0	140
141	0	0	5	0							



ORIGIN ZONE 108	PURPOSE 1	244 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
11	0	0	0	0	0	0	2	0	0	0	20
51	1	0	0	0	0	0	0	0	0	0	60
71	2	0	0	0	0	0	0	0	0	0	80
91	0	0	11	0	0	5	7	0	4	3	100
111	0	0	0	0	0	24	107	36	0	0	120
121	6	0	14	0	0	0	3	5	0	4	130
131	10	0	0	0	0	0	0	0	0	0	140
ORIGIN ZONE 108	PURPOSE 2	69 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	0	1	0	0	0	10
61	0	1	0	2	0	0	0	0	0	0	70
91	0	0	0	0	0	0	0	0	2	0	100
111	0	0	0	0	0	24	17	3	2	3	120
121	7	0	0	0	0	0	3	0	0	2	130
131	2	0	0	0	0	0	0	0	0	0	140
ORIGIN ZONE 108	PURPOSE 3	5 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
21	0	0	0	5	0	0	0	0	0	0	30
ORIGIN ZONE 108	PURPOSE 4	135 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	0	0	1	0	0	10
21	0	0	0	0	0	0	0	0	0	1	30
51	0	0	0	0	0	0	3	0	0	0	60
61	0	0	0	0	0	2	0	0	0	0	70
71	2	0	0	0	0	0	0	0	2	0	80
81	0	0	12	1	0	0	0	0	2	0	90
91	0	0	1	0	4	4	5	0	1	14	100
101	0	0	0	0	0	0	4	0	0	0	110
111	0	0	0	0	0	0	8	7	5	0	120
121	0	0	0	0	0	0	0	0	0	10	130
131	4	0	2	19	0	7	3	0	0	0	140
141	0	0	3	3							
ORIGIN ZONE 109	PURPOSE 1	4 TOTAL ORIG/PROD									

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
91	0	0	1	0	0	0	0	0	0	0	100
131	3	0	0	0	0	0	0	0	0	0	140
ORIGIN ZONE 109	PURPOSE 2	16 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
11	0	0	0	0	0	0	1	0	0	0	20
91	0	0	0	3	0	0	0	3	0	0	90
111	0	0	0	3	0	0	3	0	0	0	120
121	0	0	0	0	0	6	3	0	0	0	130
ORIGIN ZONE 109	PURPOSE 3	0 TOTAL ORIG/PROD									
ORIGIN ZONE 109	PURPOSE 4	17 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	4	0	0	0	0	0	0	10
51	0	0	0	0	1	0	0	0	0	0	60
61	0	2	0	0	0	0	0	0	0	0	70
91	0	0	0	0	0	0	4	0	0	0	100
121	0	0	0	0	0	0	4	0	0	0	130
131	2	0	0	0	0	0	0	0	0	0	140
ORIGIN ZONE 110	PURPOSE 1	227 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	0	5	0	0	0	10
11	0	0	0	0	0	0	2	0	0	0	20
71	1	0	0	0	0	0	2	0	0	0	80
81	0	0	0	0	0	0	0	0	0	2	90
91	0	0	0	0	0	1	0	0	0	0	100
111	0	0	0	0	0	39	128	9	0	0	120
121	0	4	5	0	0	0	9	16	0	0	130
131	0	0	0	4	0	0	0	0	0	0	140
ORIGIN ZONE 110	PURPOSE 2	81 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
81	0	0	0	1	0	0	1	0	0	2	90
91	0	0	0	0	0	0	1	0	0	0	100
111	0	0	0	0	0	27	51	0	0	0	120



MATRIX MULTIPLICATION

ORIGIN ZONE 110	PURPOSE 3	0 TOTAL ORIG/PROD									
ORIGIN ZONE 110	PURPOSE 4	67 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	1	0	0	0	0	0	0	0	0	10
51	1	0	0	0	0	0	0	0	0	0	60
61	0	0	0	0	0	0	1	0	0	0	70
81	0	0	0	0	0	0	0	0	0	4	90
91	0	0	0	0	0	0	4	2	0	0	100
101	0	0	0	0	0	6	0	0	0	0	110
111	0	0	0	0	0	13	13	2	1	0	120
121	0	0	0	11	0	0	0	5	0	0	130
131	0	0	0	0	0	0	0	0	0	3	140
ORIGIN ZONE 111	PURPOSE 1	2644 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	2	0	0	3	6	2	26	0	0	10
11	0	0	0	0	0	0	7	0	0	6	20
21	1	0	0	2	0	0	0	0	0	0	30
31	0	5	7	1	0	0	0	2	0	5	40
41	0	0	0	0	0	0	7	0	0	1	50
51	0	0	0	0	2	2	4	3	9	2	60
61	0	17	4	4	3	0	1	0	0	1	70
71	8	0	0	8	0	0	3	3	1	0	80
81	2	2	0	13	0	0	12	13	0	10	90
91	6	3	59	0	0	33	9	5	13	16	100
101	0	14	100	44	73	0	0	0	0	0	110
111	0	0	0	19	4	411	990	109	5	15	120
121	33	11	8	44	0	0	28	107	0	5	130
131	88	0	20	20	20	24	5	0	0	0	140
141	0	0	2	1							
ORIGIN ZONE 111	PURPOSE 2	1231 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	5	0	0	1	0	0	8	0	0	10
21	0	0	0	2	0	0	0	0	0	0	30
31	0	2	1	0	0	0	0	0	0	0	40
41	0	0	0	0	1	0	0	0	0	1	50
51	0	0	0	0	0	0	0	0	1	0	60
61	0	4	3	1	0	1	3	0	0	0	70
71	3	0	0	0	0	2	0	0	1	0	80
81	2	0	0	0	0	0	1	2	7	9	90

MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
91	3	4	15	0	0	54	11	0	17	7	100
101	0	0	39	134	34	0	0	0	0	0	110
111	0	2	0	0	5	221	320	34	23	0	120
121	31	0	4	19	0	0	17	72	0	2	130
131	60	0	22	0	0	8	2	0	0	2	140
ORIGIN ZONE 111	PURPOSE 3	203 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	5	8	0	0	0	0	10
41	0	0	0	0	0	0	0	0	0	4	50
61	0	0	0	0	0	0	0	0	8	0	70
81	0	0	0	0	0	0	0	0	2	0	90
111	0	0	0	0	0	116	0	0	0	0	120
121	23	23	0	0	0	0	0	0	0	0	130
131	0	0	0	0	0	14	0	0	0	0	140
ORIGIN ZONE 111	PURPOSE 4	793 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	5	0	0	4	12	0	13	2	0	10
11	0	0	0	0	0	0	5	0	9	4	20
21	1	0	0	0	0	0	1	0	0	0	30
31	0	2	2	2	0	0	0	1	0	4	40
41	0	0	0	0	2	0	0	0	8	1	50
51	1	0	0	0	0	4	2	2	10	0	60
61	0	9	4	5	0	2	2	2	5	3	70
71	15	2	0	3	0	4	0	4	0	0	80
81	14	2	6	17	0	0	2	7	0	2	90
91	0	4	26	2	4	33	3	2	7	11	100
101	0	0	9	12	10	0	0	0	0	0	110
111	18	0	0	0	0	65	108	45	32	6	120
121	9	0	0	21	0	5	21	18	0	14	130
131	43	1	9	11	6	23	9	0	0	0	140
141	1	0	6	0							
ORIGIN ZONE 112	PURPOSE 1	200 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
91	0	0	0	0	0	3	0	0	0	0	100
111	0	0	0	0	0	74	109	0	0	0	120
121	10	3	0	0	1	0	0	0	0	0	130



ORIGIN ZONE	112	PURPOSE	2	139 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
81		0	0	0	0	0	0	0	0	0	3	90	
91		0	0	0	2	0	0	0	0	0	0	100	
111		1	0	0	0	0	43	51	7	3	0	120	
121		10	0	0	4	4	0	0	4	0	0	130	
131		2	0	0	0	0	0	5	0	0	0	140	
ORIGIN ZONE	112	PURPOSE	3	0 TOTAL ORIG/PROD									
ORIGIN ZONE	112	PURPOSE	4	61 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
31		0	0	0	0	0	0	0	1	0	0	40	
81		0	0	1	0	0	0	0	0	0	0	90	
111		0	0	0	0	3	22	23	0	0	0	120	
121		0	0	0	9	0	0	0	0	0	0	130	
141		0	0	2	0								
ORIGIN ZONE	113	PURPOSE	1	82 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1		0	0	0	0	0	2	0	0	0	0	10	
31		0	0	0	0	0	0	0	0	0	3	40	
71		4	0	0	0	0	0	0	0	0	0	80	
91		0	0	2	0	0	0	0	0	3	0	100	
101		3	0	14	10	17	0	0	0	0	0	110	
111		0	0	0	0	0	0	9	0	0	0	120	
121		0	0	0	0	0	0	4	0	0	0	130	
131		0	0	0	11	0	0	0	0	0	0	140	
ORIGIN ZONE	113	PURPOSE	2	141 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
91		0	0	0	0	0	0	0	0	0	5	100	
101		0	26	0	21	14	0	0	0	0	0	110	
111		0	0	0	0	0	8	22	0	0	0	120	
121		0	0	0	0	0	4	24	5	0	0	130	
131		20	0	5	5	0	0	0	0	0	0	140	
ORIGIN ZONE	113	PURPOSE	3	1 TOTAL ORIG/PROD									

TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
71		0	0	0	0	0	0	1	0	0	0	80	
ORIGIN ZONE	113	PURPOSE	4	43 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
31		0	0	0	1	0	0	0	0	0	0	40	
51		0	0	0	0	0	1	0	0	0	0	60	
81		0	0	0	9	0	0	0	0	0	0	90	
91		2	0	0	0	0	0	0	0	0	0	100	
101		0	0	0	10	0	0	0	0	0	0	110	
121		0	0	0	0	0	0	19	0	0	0	130	
131		1	0	0	0	0	0	0	0	0	0	140	
ORIGIN ZONE	114	PURPOSE	1	1562 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1		0	0	0	0	0	0	0	2	0	0	10	
11		0	0	0	0	0	0	1	0	2	0	20	
61		0	2	1	0	0	0	0	0	0	0	70	
71		0	1	0	0	0	0	0	0	0	0	80	
101		0	0	10	0	0	0	0	0	0	0	110	
111		19	0	0	0	10	408	656	55	47	0	120	
121		52	5	4	21	17	0	0	169	5	5	130	
131		41	8	7	13	0	0	0	0	0	0	140	
141		0	0	1	0								
ORIGIN ZONE	114	PURPOSE	2	752 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
51		0	0	0	0	0	0	0	0	1	0	60	
71		5	0	0	0	0	0	0	0	0	0	80	
81		0	5	0	0	0	0	0	0	0	0	90	
91		0	0	0	0	0	1	0	0	0	0	100	
101		2	0	0	5	4	0	0	0	0	0	110	
111		0	0	0	0	4	191	256	38	23	0	120	
121		28	0	12	25	7	0	0	55	0	0	130	
131		72	0	10	8	0	0	0	0	0	0	140	
ORIGIN ZONE	114	PURPOSE	3	107 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
111		0	0	0	0	0	17	8	0	0	0	120	
121		0	0	0	0	0	0	0	82	0	0	130	



ORIGIN ZONE	114	PURPOSE	4	536 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1	0	0	0	4	0	0	0	0	0	0	10	
31	0	0	0	0	0	0	0	0	0	1	40	
61	0	0	2	0	0	0	0	0	0	0	70	
91	0	0	0	0	0	8	0	0	5	2	100	
101	0	0	9	10	10	0	0	0	0	0	110	
111	0	0	0	0	0	114	107	55	39	12	120	
121	5	5	0	0	0	18	0	23	0	10	130	
131	67	0	6	16	0	6	0	0	0	0	140	
141	0	0	2	0								

ORIGIN ZONE	115	PURPOSE		1	1081 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE		
71		0	0	0	0	0	0	3	2	0	0	80		
81		1	0	0	0	0	0	0	0	0	3	90		
91		0	0	0	0	0	0	0	1	0	0	100		
101		0	0	0	14	0	0	0	0	0	0	110		
111		4	0	0	8	6	292	581	28	24	0	120		
121		42	1	4	0	7	3	6	5	0	0	130		
131		12	0	9	10	0	8	0	0	0	0	140		
141		0	3	4	0									

ORIGIN ZONE	115	PURPOSE		2	616 TOTAL ORIG/PROD							
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
81	4	0	0	0	0	0	0	0	0	0	90	
101	0	0	0	12	5	0	0	0	0	0	110	
111	5	0	0	3	10	213	247	18	13	2	120	
121	26	10	7	5	0	2	6	4	0	0	130	
131	19	0	5	0	0	0	0	0	0	0	140	

ORIGIN ZONE	115	PURPOSE		3	55 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE			
111	0	0	0	0	0	0	6	0	0	0	120			
121	49	0	0	0	0	0	0	0	0	0	130			

ORIGIN ZONE	115	PURPOSE	4	164 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1	0	0	0	0	4	0	0	0	0	0	10	

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
61	0	0	0	0	0	0	0	0	0	3	70
81	0	0	0	0	0	0	2	0	0	0	90
111	0	4	0	0	5	110	109	35	24	0	120
121	30	10	0	5	0	6	12	0	0	0	130
131	5	0	0	0	0	0	0	0	0	0	140

ORIGIN ZONE	116	PURPOSE		1	3812 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE			
1	2	9	0	0	0	18	29	38	5	0	10			
11	0	0	1	2	0	0	13	0	3	1	20			
21	0	3	4	0	5	0	0	0	0	0	30			
31	0	12	3	9	2	1	0	0	0	11	40			
41	0	0	0	1	0	0	0	0	0	5	50			
51	4	0	0	0	0	13	2	3	20	2	60			
61	0	29	7	8	1	0	3	0	28	4	70			
71	22	0	0	3	1	9	5	6	1	2	80			
81	10	2	7	23	0	5	9	21	0	35	90			
91	0	6	51	0	0	70	10	15	45	35	100			
101	14	111	229	179	440	37	123	20	0	38	110			
111	412	74	0	408	292	103	93	5	0	20	120			
121	15	6	0	2	0	0	99	0	0	13	130			
131	266	0	46	46	16	20	8	0	0	1	140			
141	0	0	6	0										

ORIGIN ZONE	116	PURPOSE		2	1963 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE		
1		0	0	0	0	0	1	4	7	0	0	10		
11		0	0	0	0	0	0	3	0	4	7	20		
21		1	2	0	0	0	0	0	0	0	0	30		
31		0	2	0	3	5	0	1	0	0	2	40		
41		1	0	0	0	0	12	0	0	1	3	50		
51		0	7	2	1	0	2	1	0	3	2	60		
61		10	1	2	7	0	0	2	4	0	0	70		
71		0	0	3	4	0	0	2	7	1	7	80		
81		2	0	28	0	0	25	24	4	13	25	90		
91		1	39	34	27	267	31	83	22	0	28	100		
101		221	42	9	190	213	112	37	15	9	9	110		
111		16	1	4	8	0	1	41	10	0	46	120		
121		121	0	23	28	5	8	8	0	1	0	130		
131		0	1	4	0	0	0	0	0	0	0	140		
141														

ORIGIN ZONE	116	PURPOSE	3	390 TOTAL ORIG/PROD									
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MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	5	0	0	0	3	7	8	5	0	10
21	0	0	0	0	0	0	3	0	0	0	30
31	0	38	6	0	0	0	0	0	0	0	40
41	0	0	3	0	0	0	0	0	0	0	50
61	0	19	5	5	0	0	3	0	2	0	70
71	4	0	0	0	2	0	22	0	0	0	80
91	0	0	3	0	0	17	0	0	0	0	100
101	0	0	0	0	52	0	0	0	0	0	110
111	116	0	0	17	0	0	0	0	0	0	120
131	17	0	5	0	0	0	12	0	0	0	140

ORIGIN ZONE 116 PURPOSE 4 1766 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	2	39	0	8	5	13	8	17	6	0	10
11	0	0	0	3	0	0	17	2	4	19	20
21	2	2	1	2	1	1	2	0	0	0	30
31	0	10	11	28	8	0	0	5	0	9	40
41	0	0	1	0	13	0	4	0	0	7	50
51	0	3	0	0	3	8	4	2	11	2	60
61	0	23	7	10	0	5	11	2	25	4	70
71	28	0	0	0	0	2	5	6	1	0	80
81	23	2	8	23	0	0	11	2	2	15	90
91	2	0	45	11	0	36	32	4	27	7	100
101	2	20	38	99	134	0	69	0	0	12	110
121	65	21	0	113	111	40	43	9	6	26	120
131	6	0	0	4	0	4	26	0	0	17	130
141	132	0	15	38	15	5	14	0	0	1	140

ORIGIN ZONE 117 PURPOSE 1 21734 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	33	2	3	26	103	153	242	5	0	10
11	0	2	0	5	2	3	70	3	12	23	20
21	16	15	13	8	0	0	11	0	0	0	30
31	0	23	13	22	3	0	3	2	0	32	40
41	0	0	5	6	13	6	3	0	4	15	50
51	7	8	0	1	8	39	12	15	46	8	60
61	1	173	41	43	5	14	26	6	61	9	70
71	111	22	9	15	6	33	18	53	9	0	80
81	40	21	34	78	0	1	94	114	18	130	90
91	29	23	430	10	13	515	131	89	311	206	100
101	29	860	795	1100	3219	61	466	107	0	129	110
111	989	108	10	657	581	92	27	0	0	182	120

MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
121	13	4	0	0	0	0	371	44	25	276	130
131	4596	20	1620	1033	243	464	71	3	1	10	140
141	9	7	76	4							

ORIGIN ZONE 117 PURPOSE 2 5989 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	9	0	0	1	29	27	26	2	0	10
11	0	0	0	0	0	0	16	5	4	13	20
21	6	3	0	1	2	0	0	0	0	0	30
31	0	7	2	5	0	1	0	2	0	11	40
41	0	2	7	7	3	2	2	0	0	0	50
51	2	0	0	0	3	19	4	2	7	0	60
61	1	33	10	10	2	6	0	0	20	6	70
71	26	1	7	14	2	4	9	9	5	0	80
81	10	4	13	21	0	0	5	19	3	22	90
91	5	0	109	0	0	129	26	14	73	46	100
101	17	233	175	245	666	19	172	17	5	52	110
111	321	50	21	257	245	36	8	1	1	74	120
121	2	5	0	5	1	0	123	11	12	174	130
131	1341	13	238	300	52	145	17	0	1	7	140
141	3	2	23	0							

ORIGIN ZONE 117 PURPOSE 3 859 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	15	0	5	3	32	72	18	0	0	10
11	0	0	0	0	4	0	9	0	0	0	20
21	0	0	0	0	0	3	0	0	0	0	30
31	0	0	6	3	0	0	0	0	0	3	40
41	0	0	16	0	0	0	4	0	0	0	50
51	5	0	0	0	0	2	5	0	0	0	60
61	0	46	14	15	0	0	0	0	18	4	70
71	16	5	0	2	2	3	10	6	0	0	80
81	0	2	0	7	0	0	9	2	0	9	90
91	5	2	22	8	0	0	0	0	0	0	100
101	2	0	16	0	68	0	70	0	0	0	110
111	0	0	0	9	5	0	0	0	0	11	120
121	18	0	0	0	0	0	0	0	0	7	130
131	41	0	5	27	0	61	95	0	0	10	140
141	0	0	2	0							

ORIGIN ZONE 117 PURPOSE 4 4151 TOTAL ORIG/PROD



MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	4	105	2	34	15	43	61	34	1	0	10
11	0	0	0	4	5	0	45	5	20	22	20
21	26	1	9	3	6	15	0	0	0	0	30
31	0	26	11	16	5	1	3	5	1	38	40
41	1	2	0	15	26	6	11	2	0	13	50
51	5	1	1	0	1	24	10	0	33	1	60
61	1	56	17	23	2	7	15	5	71	7	70
71	55	23	8	25	0	10	13	12	6	6	80
81	22	5	19	30	0	4	30	13	3	27	90
91	15	12	126	4	0	105	44	11	65	54	100
101	10	77	78	96	348	17	88	10	0	14	110
111	107	25	0	106	109	44	17	5	4	32	120
121	0	0	0	0	0	0	52	0	1	87	130
131	611	0	85	158	64	34	66	1	4	4	140
141	1	5	61	0							

ORIGIN ZONE 118	PURPOSE 1		2229 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	3	0	2	0	11	16	18	0	0	10
11	0	0	0	0	0	0	9	0	0	0	20
31	0	7	2	1	0	0	0	0	4	2	40
41	1	0	2	0	3	0	0	0	0	0	50
51	2	0	0	0	0	4	2	0	0	0	60
61	0	21	6	6	0	0	1	0	6	2	70
71	9	6	0	0	1	3	0	8	0	0	80
81	1	3	8	7	0	0	21	10	0	25	90
91	3	3	29	3	3	54	11	8	32	26	100
101	3	48	115	95	283	12	18	36	0	9	110
111	110	0	0	55	27	6	0	0	0	38	120
121	0	0	0	0	0	0	44	6	0	59	130
131	487	0	61	175	53	62	12	1	0	0	140
141	0	0	9	0							

ORIGIN ZONE 118	PURPOSE 2		968 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1	0	0	0	0	3	0	0	3	0	0	10	
11	0	0	0	0	0	0	4	0	0	3	20	
21	1	0	0	0	0	0	0	0	2	0	30	
31	0	1	0	0	0	0	0	1	0	0	40	
41	0	0	0	0	0	0	2	0	0	0	50	
51	0	0	0	0	0	2	2	0	4	0	60	
61	0	3	1	0	0	0	0	3	4	2	70	
71	2	0	0	0	1	0	0	3	0	0	80	

MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
81	3	1	0	2	0	0	2	4	3	0	90
91	4	0	13	1	2	15	2	3	8	5	100
101	1	15	28	69	65	0	3	2	0	0	110
111	36	7	0	39	18	16	2	1	1	44	120
121	0	1	0	0	0	0	6	0	1	28	130
131	223	0	29	164	12	19	2	0	0	0	140
141	1	0	3	0							

ORIGIN ZONE 118	PURPOSE 3	148 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	8	0	7	0	5	3	12	0	0	10
31	0	5	0	0	0	0	0	0	0	0	40
41	0	0	0	0	0	0	0	0	0	3	50
51	0	0	4	0	0	2	0	0	0	0	60
61	0	2	2	0	0	0	0	0	0	0	70
71	0	0	0	0	0	0	0	4	0	0	80
81	0	0	1	0	0	0	3	0	0	0	90
91	0	0	14	0	0	0	3	0	0	0	100
131	58	0	0	0	0	0	11	0	0	0	140
141	0	0	1	0							

ORIGIN ZONE 118	PURPOSE 4	1861 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	1	136	1	20	0	13	12	12	0	0	10
11	0	0	0	6	2	0	4	9	7	3	20
21	0	1	0	4	0	0	0	0	0	0	30
31	0	14	6	15	6	1	0	3	0	11	40
41	0	0	1	3	5	0	4	0	0	4	50
51	0	3	0	1	1	13	0	1	52	3	60
61	0	26	7	10	0	2	7	2	24	4	70
71	36	2	2	4	4	5	1	4	1	1	80
81	16	3	11	22	0	0	11	15	2	17	90
91	4	3	56	0	0	25	17	10	26	21	100
101	4	23	66	83	89	4	18	7	0	2	110
111	47	0	0	34	32	10	4	13	8	101	120
121	0	0	0	0	0	0	12	3	0	31	130
131	273	0	36	82	18	16	13	0	0	0	140
141	1	0	20	2							

ORIGIN ZONE 119	PURPOSE 1	1386 TOTAL ORIG/PROD.									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE



MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	3	0	0	4	7	12	12	0	0	10
11	0	0	0	0	0	0	9	0	3	0	20
21	0	0	1	0	0	0	0	0	0	0	30
31	0	9	1	2	0	0	0	0	0	3	40
41	0	0	0	4	0	2	0	0	0	5	50
51	0	0	0	0	0	9	1	0	5	3	60
61	0	7	1	3	0	2	0	0	3	2	70
71	11	0	0	2	1	5	2	1	0	0	80
81	0	0	3	6	0	1	8	4	7	2	90
91	3	0	20	0	0	19	5	0	19	8	100
101	10	0	31	110	60	3	31	0	0	0	110
111	4	0	0	48	24	0	0	0	0	62	120
121	0	2	0	0	0	0	18	0	0	21	130
131	366	0	103	164	27	46	7	1	0	0	140
141	1	1	6	0							

ORIGIN ZONE 119 PURPOSE 2 594 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	2	0	0	2	0	0	10
11	0	0	0	0	0	0	2	0	0	2	20
21	0	1	0	0	0	0	0	0	0	0	30
31	0	0	0	0	0	0	0	0	0	1	40
41	1	0	0	0	0	0	0	0	0	0	50
51	0	0	0	0	0	2	1	0	3	0	60
61	0	1	1	0	0	0	0	1	2	1	70
71	2	0	0	0	1	0	0	2	0	0	80
81	1	1	0	1	0	0	1	3	1	0	90
91	3	0	6	1	2	10	1	2	3	5	100
101	0	9	15	42	41	0	0	2	0	0	110
111	21	4	0	24	12	8	1	1	1	28	120
121	0	1	0	0	0	0	3	0	2	15	130
131	118	0	19	102	20	13	0	0	0	0	140
141	0	1	2	0							

ORIGIN ZONE 119 PURPOSE 3 80 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	23	0	0	8	0	0	4	0	0	10
21	0	0	0	0	0	0	5	0	0	0	20
31	0	0	0	0	0	1	0	0	0	0	30
41	0	2	0	0	0	0	0	0	0	0	40
51	0	0	0	0	0	0	0	0	0	0	50
61	0	0	4	0	0	0	0	0	0	0	60
71	0	0	0	0	16	0	0	0	0	0	70
81	0	0	0	0	0	0	0	0	0	0	80
91	0	0	0	0	0	0	0	0	0	0	90
101	0	0	0	0	0	0	0	0	0	0	100
111	0	0	0	0	0	0	0	0	0	0	110
121	0	0	0	0	0	0	0	0	0	0	120
131	3	0	0	5	0	9	0	0	0	0	130
141	0	0	0	0	0	0	0	0	0	0	140

MATRIX MULTIPLICATION

ORIGIN ZONE 119 PURPOSE 4 1349 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	1	99	0	15	0	9	8	11	0	0	10
11	0	0	0	4	2	0	2	7	4	2	20
21	0	2	0	2	0	0	0	0	0	0	30
31	0	9	5	12	4	0	0	3	0	6	40
41	2	0	0	2	4	0	2	0	0	4	50
51	1	2	0	0	0	11	0	1	36	2	60
61	0	18	6	7	0	1	6	0	20	2	70
71	26	2	0	4	4	2	2	3	1	0	80
81	11	2	7	17	0	0	9	8	4	12	90
91	4	3	39	0	0	17	11	8	18	14	100
101	4	16	51	60	65	2	15	4	0	0	110
111	34	0	0	40	24	5	4	9	8	78	120
121	0	5	0	0	0	0	7	2	0	24	130
131	192	0	26	61	12	14	0	0	0	0	140
141	1	0	15	1							

ORIGIN ZONE 120 PURPOSE 1 857 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	8	0	6	5	0	0	10
11	0	0	0	0	0	0	4	0	0	0	20
21	0	0	5	0	0	0	0	0	0	0	30
31	0	2	0	1	0	0	0	0	0	0	40
41	0	0	0	0	0	0	0	0	0	1	50
51	0	0	0	0	0	0	0	0	0	0	60
61	0	0	5	0	0	0	0	0	0	0	70
71	0	0	1	0	0	0	3	0	0	0	80
81	0	0	0	0	0	0	0	0	0	0	90
91	0	0	0	0	0	0	0	0	0	0	100
101	0	0	0	14	44	0	0	4	0	0	110
111	15	0	0	0	0	20	183	38	63	113	120
121	9	3	0	3	3	0	5	0	0	0	130
131	48	0	36	178	14	22	3	0	0	0	140
141	0	0	0	1							

ORIGIN ZONE 120 PURPOSE 2 530 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	2	0	0	4	0	0	0	0	0	10
11	0	3	0	0	0	0	0	0	0	0	20
21	0	0	0	0	0	0	0	0	0	0	30
31	0	0	0	0	0	0	0	0	1	0	40
41	0	0	0	0	0	5	0	0	0	1	50
51	0	0	0	0	0	0	0	0	0	0	60
61	0	0	0	0	0	0	0	0	0	0	70
71	0	0	0	0	0	0	0	0	0	0	80
81	0	0	0	0	0	0	0	0	0	0	90
91	0	0	0	0	0	0	0	0	0	0	100
101	0	0	0	14	44	0	0	4	0	0	110
111	0	0	0	0	0	11	73	45	30	55	120
121	0	5	0	0	0	3	0	0	0	5	130
131	9	0	30	147	10	12	0	0	0	0	140



MATRIX MULTIPLICATION

ORIGIN ZONE	120	PURPOSE		3		31 TOTAL ORIG/PROD										
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE					
1	0	0	0	0	0	5	0	0	0	0	10					
71	0	0	0	0	0	0	0	2	0	0	80					
111	0	0	0	0	0	9	11	0	0	0	120					
121	4	0	0	0	0	0	0	0	0	0	130					

ORIGIN ZONE	120	PURPOSE		634 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1	0	1	0	0	0	1	5	0	4	0	10	
11	0	0	0	0	0	0	2	14	0	6	20	
21	0	0	2	0	0	6	6	0	0	0	30	
31	0	0	0	2	6	0	0	5	0	6	40	
41	0	0	0	0	0	3	0	0	4	0	50	
51	0	0	0	2	0	0	0	0	0	0	60	
61	0	2	2	2	4	0	2	0	0	0	70	
91	0	0	6	0	0	0	0	0	0	4	100	
101	0	0	0	0	24	0	4	0	0	0	110	
111	8	0	0	12	0	27	34	100	80	124	120	
121	20	8	4	0	0	0	0	0	0	0	130	
131	22	0	0	31	10	5	17	0	6	0	140	
141	1	0	4	0								

ORIGIN ZONE 121	PURPOSE 1		2799 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	2	6	0	2	2	4	14	12	0	0	10
11	0	0	0	0	0	0	10	0	4	7	20
21	0	0	6	0	2	0	0	0	0	0	30
31	0	4	0	3	3	0	0	2	0	1	40
41	2	0	0	0	0	5	0	0	0	0	50
51	2	0	0	0	0	7	0	0	2	1	60
61	0	18	5	4	0	2	1	0	5	1	70
71	10	1	0	0	0	3	0	1	0	0	80
81	0	3	8	1	0	0	3	21	0	10	90
91	0	8	42	0	1	26	18	11	49	10	100
101	10	19	73	110	264	12	13	7	0	0	110
111	33	10	0	53	41	15	12	0	0	8	120
121	2	0	0	4	0	0	109	17	12	84	130
131	1030	0	267	133	16	51	17	0	0	1	140
141	0	2	7	2							

ORIGIN ZONE	121	PURPOSE	2	1341 TOTAL ORIG/PROD										
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MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	1	0	0	0	1	0	0	0	0	0	10
11	0	0	0	0	0	0	3	0	1	3	20
21	5	0	0	0	0	1	2	0	0	0	30
31	0	0	0	2	0	0	0	1	0	0	40
51	1	0	0	0	0	0	0	0	0	0	50
61	0	2	1	1	0	0	0	0	3	1	60
71	5	0	0	2	0	3	0	1	0	0	70
81	2	2	0	2	0	0	5	5	0	0	80
91	2	0	17	0	0	5	1	8	9	11	90
101	0	0	39	70	95	3	14	7	0	0	100
111	31	8	0	29	26	14	3	0	0	12	110
121	0	3	0	0	0	0	59	5	7	61	120
131	521	0	82	82	5	49	0	0	0	0	130
141	2	1	3	0							140

ORIGIN ZONE	121	PURPOSE		3	227 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE		
1	0	0	0	0	0	0	0	13	0	0	10		
11	0	0	0	2	0	0	0	0	0	0	20		
31	0	0	0	0	0	0	0	0	0	5	40		
41	0	0	0	0	0	0	0	0	7	0	50		
51	0	0	0	0	0	2	2	0	0	0	60		
71	0	0	0	0	0	0	0	6	0	1	80		
81	0	0	0	0	0	0	7	0	0	0	90		
101	0	0	13	0	0	49	0	0	0	0	110		
111	24	0	0	0	50	0	18	0	0	4	120		
121	0	0	0	0	0	0	0	0	0	4	130		
131	20	0	0	0	0	0	0	0	0	0	140		

ORIGIN ZONE	121	PURPOSE		4		663 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE				
1	2	9	0	2	0	0	6	3	0	0	10				
11	0	0	0	0	0	0	6	0	0	9	20				
31	0	0	0	4	0	0	0	4	0	5	40				
41	0	0	0	5	4	0	1	0	0	0	50				
51	0	0	0	0	1	0	1	2	8	0	60				
61	0	9	7	3	0	0	0	0	5	1	70				
71	7	0	1	0	0	2	3	2	0	0	80				
81	4	2	0	9	0	0	5	10	0	0	90				
91	2	4	13	7	3	13	6	4	5	4	100				
101	4	0	31	33	0	0	0	0	0	0	110				
111	9	0	0	5	31	5	0	0	0	22	120				
121	0	0	0	0	0	0	22	0	4	56	130				



MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
131	176	3	13	8	14	5	11	0	0	0	140
141	1	2	0	0							
ORIGIN ZONE 122	PURPOSE 1	407 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	2	0	0	0	0	0	10
11	0	0	0	0	0	0	0	0	0	5	20
41	0	0	0	3	0	0	0	0	0	0	50
51	0	0	0	0	0	0	0	0	1	0	60
61	0	2	0	0	0	0	0	0	0	0	70
71	3	0	0	0	0	0	1	2	0	0	80
81	0	0	1	2	0	0	1	5	0	0	90
91	0	0	3	0	0	7	0	0	0	6	100
101	0	0	0	0	0	7	0	0	0	3	110
111	14	1	0	3	3	7	4	0	3	2	120
121	0	0	0	0	0	0	13	6	0	0	130
131	220	0	26	17	13	10	0	0	0	0	140
141	0	0	1	0							
ORIGIN ZONE 122	PURPOSE 2	302 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
41	0	0	2	0	0	0	0	0	0	0	50
61	0	2	0	1	0	0	0	0	0	0	70
91	0	0	1	0	0	8	0	4	1	0	100
101	0	0	12	2	6	0	0	0	0	0	110
111	0	0	0	0	10	2	3	2	1	6	120
121	2	0	0	0	0	0	10	2	0	10	130
131	170	0	15	21	0	7	1	0	0	1	140
ORIGIN ZONE 122	PURPOSE 3	29 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
111	23	0	0	0	0	0	0	0	0	0	120
131	6	0	0	0	0	0	0	0	0	0	140
ORIGIN ZONE 122	PURPOSE 4	195 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	9	0	0	2	0	0	0	0	0	10
11	0	0	0	2	0	0	0	0	0	0	20
51	0	0	0	0	0	0	0	0	0	2	60

MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
61	0	2	0	0	0	0	0	0	0	0	70
71	2	0	0	0	1	0	0	1	0	0	80
81	0	1	4	1	0	0	0	4	0	0	90
91	0	0	6	0	0	0	6	0	9	0	100
101	0	0	21	0	0	0	0	0	0	0	110
111	0	0	0	5	9	0	8	8	6	7	120
121	0	0	0	0	0	0	8	0	0	9	130
131	56	0	0	12	0	0	0	0	0	0	140
141	0	0	2	0							
ORIGIN ZONE 123	PURPOSE 1	83 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	2	0	1	0	0	10
31	0	0	0	0	0	0	0	2	0	0	40
101	0	0	0	17	0	0	0	14	0	6	110
111	7	0	0	4	3	0	0	0	0	0	120
121	0	0	0	0	0	4	0	0	0	0	130
131	15	0	0	5	0	0	3	0	0	0	140
ORIGIN ZONE 123	PURPOSE 2	80 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
81	0	0	0	4	0	0	0	0	0	0	90
91	0	0	0	0	0	1	0	0	0	0	100
101	0	0	12	12	12	0	0	0	0	0	110
111	4	0	0	11	7	4	0	0	0	0	120
121	0	0	0	0	0	0	3	0	0	2	130
131	5	0	3	0	0	0	0	0	0	0	140
ORIGIN ZONE 123	PURPOSE 3	0 TOTAL ORIG/PROD									
ORIGIN ZONE 123	PURPOSE 4	54 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
11	0	0	0	0	0	0	0	0	5	0	20
31	0	0	0	0	2	0	0	0	0	0	40
51	0	0	0	0	0	0	2	0	0	0	60
61	0	0	0	0	0	2	0	0	0	0	70
71	2	0	0	0	0	0	0	0	0	0	80
81	0	0	0	2	0	0	0	4	0	0	90
91	0	0	2	0	0	2	0	0	0	4	100
101	0	0	0	12	0	0	0	0	0	0	110



MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
111	0	0	0	0	0	0	0	0	0	0	120
121	0	0	0	0	0	3	3	0	0	0	130
131	3	0	0	0	0	0	0	0	0	0	140

ORIGIN ZONE 124 PURPOSE 1 296 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	0	8	0	0	0	10
11	0	0	0	0	0	0	2	0	0	0	20
31	0	4	0	0	0	0	0	0	0	0	40
61	0	3	0	1	0	0	2	0	0	0	70
81	0	1	0	0	0	0	0	0	0	0	90
91	2	0	0	0	0	4	0	0	0	0	100
101	0	0	12	0	58	0	10	0	0	0	110
111	45	0	0	21	0	2	8	0	0	0	120
121	4	0	0	0	0	0	14	0	0	0	130
131	65	0	0	4	0	0	0	0	0	0	140

ORIGIN ZONE 124 PURPOSE 2 214 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	1	0	0	0	0	10
81	0	0	3	0	0	0	0	0	0	0	90
91	0	0	6	0	0	3	1	0	3	0	100
101	0	0	19	12	13	0	7	0	0	0	110
111	21	3	0	25	6	7	6	0	0	0	120
121	0	0	0	0	0	0	3	0	0	0	130
131	61	0	5	0	0	9	0	0	0	0	140

ORIGIN ZONE 124 PURPOSE 3 0 TOTAL ORIG/PROD

ORIGIN ZONE 124 PURPOSE 4 253 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	1	0	0	0	0	0	0	10
11	0	0	0	6	0	0	0	0	0	0	20
31	0	0	0	2	0	0	0	0	0	4	40
41	2	0	0	0	0	0	0	0	0	0	30
51	0	0	0	0	2	0	0	0	2	0	60
61	0	2	1	0	0	0	2	0	12	3	70
81	2	0	0	2	0	0	0	6	0	0	90
91	0	0	0	0	0	6	3	0	0	0	100
101	0	0	16	20	16	0	9	9	0	10	110

MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
111	20	9	0	0	4	5	0	0	0	0	120
121	0	0	0	0	0	5	0	0	0	0	130
131	49	0	0	8	0	8	4	0	0	0	140

ORIGIN ZONE 125 PURPOSE 1 108 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	2	0	1	0	2	0	0	10
31	0	2	0	0	0	0	0	0	0	0	40
61	0	1	0	0	0	0	0	0	0	0	70
91	0	0	0	0	0	3	3	0	2	3	100
111	0	2	0	15	9	0	0	0	0	3	120
121	0	0	0	0	0	0	0	0	0	2	130
131	43	0	10	0	0	3	0	0	0	0	140
141	0	0	1	0	0	0	0	0	0	0	

ORIGIN ZONE 125 PURPOSE 2 98 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
61	0	0	0	0	0	0	0	0	4	0	70
71	0	1	0	0	0	0	0	1	0	0	80
91	0	0	7	0	0	0	0	0	0	0	100
101	0	0	0	0	12	0	0	0	0	0	110
111	9	2	0	7	5	0	2	0	0	0	120
121	0	0	0	0	0	0	0	0	0	5	130
131	38	0	0	0	0	0	0	0	0	0	140

ORIGIN ZONE 125 PURPOSE 3 3 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
81	0	0	0	0	0	0	3	0	0	0	90

ORIGIN ZONE 125 PURPOSE 4 9 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	1	0	0	0	0	0	0	0	0	10
11	0	0	0	1	0	0	0	0	0	0	20
51	0	0	0	0	0	1	0	0	0	0	60
71	2	0	0	0	0	0	0	0	0	0	80
121	0	0	0	0	0	0	0	0	0	2	130
131	2	0	0	0	0	0	0	0	0	0	140



ORIGIN ZONE 126	PURPOSE 1	280 TOTAL ORIG/PROD										TO ZONE
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-		
1	0	0	0	0	0	2	0	0	0	0	0	10
21	0	0	0	0	0	0	3	0	0	0	0	30
31	0	0	0	0	0	0	0	0	0	2	0	40
91	0	0	3	0	0	0	0	0	6	3	0	100
101	1	0	0	0	12	0	0	0	0	0	0	110
111	0	0	0	0	3	0	0	0	0	0	0	120
121	0	0	3	0	0	0	37	0	0	2	0	130
131	152	0	41	10	0	0	0	0	0	0	0	140

ORIGIN ZONE 126	PURPOSE 2	300 TOTAL ORIG/PROD										TO ZONE
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-		
61	0	1	0	0	0	0	0	0	1	0	0	70
71	3	0	0	0	0	0	0	0	0	0	0	80
81	0	0	0	0	0	0	1	0	0	0	0	90
101	0	0	0	10	0	0	0	0	5	0	0	110
111	0	0	4	0	0	2	0	0	0	0	2	120
121	0	0	0	0	0	0	36	3	0	18	0	130
131	164	0	24	0	0	4	0	0	2	0	0	140

ORIGIN ZONE 126	PURPOSE 3	17 TOTAL ORIG/PROD										TO ZONE
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-		
1	0	5	0	0	0	0	0	0	0	0	0	10
51	0	0	6	0	0	0	0	0	0	0	0	60
61	0	0	4	0	0	0	0	0	0	0	0	70
71	0	0	0	0	0	3	0	0	0	0	0	80
91	0	0	0	0	0	5	0	0	0	0	0	100
131	6	0	4	0	0	4	0	0	0	0	0	140

ORIGIN ZONE 126	PURPOSE 4	210 TOTAL ORIG/PROD										TO ZONE
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-		
1	0	2	0	0	0	1	0	0	0	0	0	10
11	0	0	0	0	0	0	0	0	1	0	0	20
31	0	0	0	0	0	0	1	0	0	0	0	40
41	0	0	0	0	12	0	0	0	0	0	0	50
61	0	0	0	0	0	0	1	0	0	0	0	70
71	4	0	0	1	0	0	0	0	0	0	0	80
81	0	0	0	0	0	0	0	5	0	0	0	90
91	0	0	0	0	0	4	0	0	0	0	0	100
101	6	0	0	0	18	0	0	0	0	0	0	110

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
111	4	0	0	20	5	2	0	0	0	0	120
121	0	0	4	4	0	0	15	0	0	15	130
131	53	0	9	0	0	0	2	0	3	0	140

ORIGIN ZONE 127	PURPOSE 1	2371 TOTAL ORIG/PROD										TO ZONE
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-		
1	0	2	0	0	0	6	8	3	0	0	0	10
11	0	2	0	0	2	0	0	0	0	9	0	20
21	6	0	0	0	0	2	0	0	0	0	0	30
31	0	4	3	2	0	0	0	0	0	0	0	40
41	0	0	0	1	2	2	11	0	0	6	0	50
51	0	1	0	0	3	0	0	0	0	0	0	60
61	0	6	1	2	0	0	0	0	3	0	0	70
71	3	0	0	7	0	2	0	3	1	0	0	80
81	8	0	0	4	0	0	12	2	0	3	0	90
91	2	0	14	1	0	12	6	1	0	3	0	100
101	21	7	0	7	31	0	13	4	0	10	0	110
111	27	0	4	0	7	59	372	45	17	6	0	120
121	108	13	0	14	0	36	987	23	5	74	0	130
131	143	1	18	21	5	20	0	0	0	0	0	140
141	1	0	2	1								

ORIGIN ZONE 127	PURPOSE 2	1522 TOTAL ORIG/PROD										TO ZONE
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-		
1	0	0	0	0	0	4	4	0	0	0	0	10
11	0	0	0	0	0	0	1	0	0	1	0	20
41	0	0	4	0	0	0	0	0	0	0	0	50
51	0	0	0	0	0	0	0	0	2	0	0	60
61	0	3	0	0	0	0	0	0	0	0	0	70
71	6	0	1	0	0	0	0	3	0	0	0	80
81	1	0	1	0	0	0	4	0	0	0	0	90
91	4	8	7	6	0	1	1	3	3	4	0	100
101	24	0	0	7	3	0	4	3	2	0	0	110
111	17	0	25	0	6	39	123	5	3	0	0	120
121	59	10	2	3	0	35	758	10	14	134	0	130
131	140	0	5	3	1	19	3	0	0	1	0	140

ORIGIN ZONE 127	PURPOSE 3	26 TOTAL ORIG/PROD										TO ZONE
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-		
1	0	0	0	0	0	0	0	8	0	0	0	10
71	0	0	0	0	0	0	0	5	0	0	0	80



MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
81	0	2	0	0	0	0	0	0	0	0	90
91	0	3	0	0	0	2	0	0	0	0	100
131	3	0	0	0	0	3	0	0	0	0	140
ORIGIN ZONE 127	PURPOSE 4	731 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	4	0	1	0	4	0	0	0	0	10
11	0	0	0	0	0	0	0	0	4	0	20
21	6	0	0	0	0	0	0	0	0	0	30
31	0	2	0	5	0	0	0	0	0	1	40
41	0	0	0	2	0	1	0	0	0	0	50
51	0	1	0	0	0	0	0	0	1	0	60
61	0	3	1	0	0	0	0	0	3	2	70
71	2	0	0	0	0	2	4	1	2	0	80
81	2	0	0	4	0	0	3	0	2	0	90
91	0	0	14	4	0	9	4	0	3	3	100
101	4	3	0	2	12	0	11	0	4	0	110
111	24	0	17	0	12	27	52	11	7	0	120
121	22	7	3	0	0	16	172	8	7	111	130
131	73	13	0	0	0	4	6	0	0	0	140
141	0	0	2	1	0						
ORIGIN ZONE 128	PURPOSE 1	846 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	0	0	13	0	0	10
11	0	0	0	0	0	1	4	0	0	0	20
21	0	0	2	0	5	0	0	0	0	0	30
31	0	0	0	0	0	9	0	0	0	0	40
41	0	3	0	0	0	0	0	0	0	0	50
51	0	2	0	1	0	0	0	0	2	6	60
61	0	1	2	5	0	0	3	0	0	0	70
71	3	0	0	0	0	7	11	0	0	4	80
81	3	0	0	0	0	7	11	0	0	4	90
91	38	5	1	10	130	9	43	6	0	16	100
101	186	0	0	170	6	7	44	4	0	0	110
111	17	6	0	0	0	0	26	8	5	3	120
121	11	0	4	0	0	4	2	0	0	0	130
131	0	1	0	0	0						140
141											
ORIGIN ZONE 128	PURPOSE 2	408 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	5	0	0	0	0	0	10

MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
21	0	0	1	0	0	0	0	0	0	0	30
31	0	0	0	0	0	3	0	0	0	0	50
41	0	2	0	1	0	0	0	0	3	0	70
51	0	0	0	0	0	0	0	2	0	0	80
61	0	0	0	0	0	0	1	0	0	0	90
71	6	0	3	0	0	8	13	2	0	8	100
81	40	3	10	17	24	26	25	0	0	0	110
91	72	4	5	54	3	12	13	0	0	0	120
101	5	3	0	0	0	7	11	0	0	4	130
111	3	0	4	3	0	0	0	0	0	1	140
121											
131											
ORIGIN ZONE 128	PURPOSE 3	108 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	5	0	0	0	0	0	0	0	0	10
31	0	6	0	0	0	0	0	0	0	0	40
51	0	9	1	2	0	0	0	0	0	0	70
101	3	0	0	0	0	0	0	0	0	0	110
111	0	0	0	82	0	0	0	0	0	0	120
ORIGIN ZONE 128	PURPOSE 4	137 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
21	0	0	0	0	0	0	1	0	0	0	20
31	0	0	0	0	4	4	0	0	0	0	30
41	4	0	0	0	0	0	0	0	0	5	50
51	0	3	0	0	0	0	0	0	0	0	60
61	0	0	0	0	0	2	0	4	0	0	80
71	0	4	8	0	0	0	0	0	6	0	100
81	8	0	0	13	5	0	0	0	0	4	110
91	19	0	0	22	0	0	0	2	2	0	120
101	0	0	0	0	0	0	7	10	0	0	130
111											
121											
ORIGIN ZONE 129	PURPOSE 1	82 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	3	4	0	0	0	0	10
61	0	0	0	0	0	0	0	0	1	0	70
71	0	0	0	0	0	0	0	2	0	0	80
91	0	0	5	1	2	0	0	0	0	0	100
111	0	0	0	5	0	0	26	0	0	0	120
121	10	0	0	0	0	0	4	5	0	0	130
131	14	0	0	0	0	0	0	0	0	0	140



ORIGIN ZONE 129		PURPOSE 2		42 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1		0	0	0	0	0	1	0	0	0	0	10	
91		0	0	5	0	0	2	0	0	0	0	100	
111		0	0	0	0	0	0	11	1	1	0	120	
121		7	0	0	0	0	0	14	0	0	0	130	

ORIGIN ZONE 129 PURPOSE 3 0 TOTAL ORIG/PROD

ORIGIN ZONE 129		PURPOSE 4		18 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
91		0	0	0	0	0	3	0	0	0	0	100	
111		0	0	0	0	0	0	2	0	0	0	120	
121		6	0	0	0	0	0	7	0	0	0	130	

ORIGIN ZONE 110		PURPOSE 1		762 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1		0	2	0	0	0	0	3	3	0	0	10	
21		0	0	2	0	0	0	0	0	0	0	30	
31		0	0	0	0	0	0	1	0	0	0	40	
61		0	6	1	1	0	0	2	0	4	0	70	
71		5	0	0	0	0	0	0	0	0	0	80	
81		0	0	5	2	0	0	13	2	0	0	90	
91		0	0	12	0	0	5	0	0	0	11	100	
101		1	0	0	13	27	3	5	1	0	0	110	
111		7	0	0	7	0	11	276	59	23	0	120	
121		82	0	0	0	5	3	74	4	0	0	130	
131		5	0	6	0	0	8	0	0	0	1	140	
141		0	0	1	0	0							

ORIGIN ZONE 110		PURPOSE 2		596 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1		0	0	0	0	0	0	0	0	2	0	10	
11		0	0	0	0	0	0	3	0	0	0	20	
31		0	0	0	0	0	1	0	0	0	4	40	
61		0	1	0	0	0	0	0	0	0	0	70	
71		2	0	0	5	0	0	0	0	0	0	80	
81		0	0	0	0	0	1	0	0	0	6	90	
91		0	0	6	0	0	14	0	3	0	2	100	
101		0	0	0	9	10	0	5	2	0	0	110	

TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
111		3	0	0	0	0	46	172	26	17	6	120	
121		61	10	5	0	3	21	134	5	0	0	130	
131		0	0	0	3	1	0	4	0	0	2	140	
141		0	1	0	0								

ORIGIN ZONE 130		PURPOSE 3		27 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
61		0	7	2	4	0	0	0	0	0	0	70	
71		0	0	0	0	0	0	0	2	0	0	80	
111		0	0	0	0	0	0	5	0	0	0	120	
121		5	0	0	0	0	0	0	0	0	0	130	
131		0	0	0	0	0	2	0	0	0	0	140	

ORIGIN ZONE 130		PURPOSE 4		544 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1		1	0	0	0	0	0	0	1	2	0	10	
31		0	0	0	0	1	0	0	0	0	0	40	
51		0	0	0	0	0	4	2	0	2	0	60	
61		0	4	1	2	0	0	0	0	0	0	70	
81		1	0	0	0	0	0	0	3	1	2	90	
91		0	0	3	0	0	4	15	2	6	0	100	
101		0	4	21	11	20	8	7	12	0	0	110	
111		13	0	0	10	0	16	86	32	20	0	120	
121		57	10	2	3	4	15	111	0	0	0	130	
131		6	3	0	9	0	4	3	0	0	0	140	
141		0	0	1	0								

ORIGIN ZONE 131		PURPOSE 1		9157 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1		0	14	0	0	14	69	68	35	12	0	10	
11		0	2	0	0	0	9	28	1	7	32	20	
21		1	12	4	0	0	0	0	0	0	0	30	
31		0	12	6	11	2	2	0	0	3	4	40	
41		0	0	0	0	0	0	1	0	0	10	50	
51		2	0	0	0	5	8	8	1	4	1	60	
61		6	44	10	11	8	6	4	5	27	5	70	
71		18	0	3	4	3	4	11	5	2	5	80	
81		0	8	10	11	0	1	5	22	11	5	90	
91		14	0	68	4	10	38	18	14	29	18	100	
101		20	58	41	54	231	0	34	10	3	0	110	
111		89	0	0	41	11	269	4593	489	366	47	120	



MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
121	1030	227	16	84	42	151	142	13	12	5	130
131	30	0	0	20	1	139	10	0	0	3	140
141	1	0	15	0							
ORIGIN ZONE 131	PURPOSE 2	3033 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	5	0	0	4	4	6	12	0	0	10
11	0	0	0	0	0	0	6	0	4	8	20
21	0	0	0	2	0	2	0	3	0	0	30
31	0	0	0	0	2	0	0	0	0	1	40
41	0	0	0	0	0	1	0	0	0	0	50
51	0	0	0	0	0	3	6	4	5	0	60
61	0	16	5	6	2	1	3	1	8	2	70
71	13	4	5	5	0	3	0	0	0	4	80
81	6	0	2	9	0	0	5	10	7	11	90
91	1	0	23	2	2	19	18	12	17	9	100
101	15	5	24	42	137	2	31	2	0	0	110
111	60	2	18	71	21	119	1342	225	134	49	120
121	522	167	5	59	38	182	139	4	0	0	130
131	15	0	4	1	3	70	6	0	0	6	140
141	0	0	4	0							
ORIGIN ZONE 131	PURPOSE 3	245 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	0	20	0	0	0	10
11	0	0	0	0	0	0	0	0	3	0	20
31	0	0	0	8	0	0	0	15	0	0	40
51	0	0	0	0	0	2	0	0	0	0	60
61	0	0	0	0	0	12	0	8	0	0	70
71	0	0	0	0	0	0	0	0	0	0	80
91	0	0	1	0	0	0	0	0	19	0	100
111	0	0	0	0	0	17	43	58	5	0	120
121	19	5	0	0	0	6	4	0	0	0	130
ORIGIN ZONE 131	PURPOSE 4	2506 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	11	0	0	7	23	13	7	4	0	10
11	0	1	0	2	0	0	11	0	8	13	20
71	3	4	0	0	0	2	0	5	0	0	30
31	0	11	3	6	1	0	0	2	0	2	40
41	0	2	4	2	5	0	0	0	0	0	50

MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
51	3	1	0	0	0	13	10	1	14	0	60
61	0	18	6	7	2	0	3	2	17	1	70
71	28	1	7	3	4	4	2	0	0	0	80
81	11	1	14	9	0	0	8	17	0	8	90
91	1	0	33	4	7	15	19	13	14	13	100
101	0	0	64	34	91	0	33	6	2	0	110
111	41	0	4	63	5	132	611	274	192	22	120
121	174	56	2	50	0	55	72	0	0	7	130
131	6	1	0	0	0	35	33	0	3	10	140
141	0	2	15	0							
ORIGIN ZONE 132	PURPOSE 1	36 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
21	0	0	0	0	0	0	0	2	0	0	30
61	0	0	0	0	3	0	0	0	0	0	70
91	0	0	0	0	0	0	1	0	0	0	100
111	0	0	0	7	0	0	19	0	0	0	120
121	0	0	0	0	0	0	1	0	0	0	130
131	0	0	0	0	0	0	3	0	0	0	140
ORIGIN ZONE 132	PURPOSE 2	15 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
21	0	0	0	4	0	0	0	0	0	0	30
111	0	0	0	0	0	0	10	0	0	0	120
141	0	0	0	1							
ORIGIN ZONE 132	PURPOSE 3	15 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
101	0	0	0	0	15	0	0	0	0	0	110
ORIGIN ZONE 132	PURPOSE 4	41 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
21	0	0	0	0	2	0	0	0	0	0	30
51	0	0	0	0	0	0	3	0	0	0	60
61	0	2	0	0	0	0	0	0	0	0	70
71	2	0	0	0	0	0	0	2	0	0	80
81	0	0	0	0	0	0	2	0	0	0	90
111	2	0	0	1	0	0	0	0	0	0	120
121	4	0	0	0	0	0	13	0	0	3	130



TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
131	2	0	0	0	0	0	3	0	0	0	140
ORIGIN ZONE 133	PURPOSE 1	2043 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	3	0	0	14	0	6	1	2	0	10
11	0	0	0	0	0	0	6	0	6	9	20
21	1	0	4	0	0	0	0	0	0	0	30
31	0	4	1	1	0	0	0	0	0	2	40
41	0	0	0	0	3	0	0	0	0	7	50
51	0	0	0	0	0	2	4	0	2	0	60
61	0	26	7	6	0	2	0	0	3	2	70
71	3	0	0	1	0	11	6	1	0	0	80
81	0	3	2	1	0	0	10	6	0	0	90
91	0	0	14	0	0	14	3	11	11	10	100
101	3	0	0	11	43	0	13	0	0	0	110
111	18	0	0	8	9	44	1021	60	105	33	120
121	267	27	0	0	9	41	18	4	0	7	130
131	0	0	0	2	8	55	2	0	0	1	140
141	0	2	1	0							
ORIGIN ZONE 133	PURPOSE 2	458 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	2	0	3	0	0	10
21	0	3	0	0	0	0	0	0	0	0	30
41	2	0	0	0	0	0	0	0	0	0	50
61	0	2	0	0	0	0	0	0	1	0	70
71	3	0	0	1	0	3	0	0	0	0	80
81	0	0	0	0	0	0	0	0	0	3	90
91	0	0	6	0	0	0	4	5	0	3	100
101	0	3	3	0	17	0	6	0	0	0	110
111	22	0	7	11	6	23	236	33	20	29	120
121	64	15	3	8	0	23	5	2	0	0	130
131	3	0	0	3	7	42	0	0	0	0	140
141	1	0	3	0							
ORIGIN ZONE 133	PURPOSE 3	59 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	0	20	0	0	0	10
81	0	0	0	0	0	0	13	0	0	0	90
101	0	12	0	0	0	0	0	0	0	0	110
111	0	0	0	0	0	5	3	0	0	0	120

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
121	0	0	0	0	0	6	0	0	0	0	130
ORIGIN ZONE 133	PURPOSE 4	183 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	4	1	4	0	0	0	10
11	0	0	0	0	0	0	0	0	6	0	20
31	0	0	2	0	1	0	0	5	0	0	40
41	0	0	0	2	0	0	0	0	0	2	50
51	0	0	0	1	0	1	1	0	3	0	60
61	0	3	1	0	0	2	0	2	6	0	70
71	2	0	2	0	1	2	0	0	0	3	80
81	1	0	9	2	0	0	4	4	0	2	90
91	2	0	12	1	0	1	14	0	0	0	100
101	0	0	19	11	11	0	8	2	0	0	110
111	8	0	0	5	6	16	87	36	25	0	120
121	13	0	0	0	0	6	0	0	0	0	130
131	0	0	0	0	4	8	7	0	0	1	140
141	1	3	2	1							
ORIGIN ZONE 134	PURPOSE 1	2161 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	5	0	0	5	13	10	9	0	0	10
31	0	1	3	0	0	0	0	0	0	0	40
41	0	0	0	0	4	0	0	0	0	3	50
51	0	0	0	0	0	2	0	0	0	0	60
61	0	7	3	3	0	2	0	0	3	0	70
71	13	0	0	0	2	0	0	0	0	0	80
81	0	7	5	0	0	0	3	2	0	1	90
91	0	0	11	0	0	24	0	0	3	4	100
101	1	0	15	9	65	4	4	0	0	4	110
111	19	0	11	15	9	46	1032	175	164	182	120
121	133	17	5	3	0	10	22	0	0	0	130
131	20	0	2	3	3	36	2	0	0	0	140
ORIGIN ZONE 134	PURPOSE 2	1017 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	1	0	0	0	0	10
11	0	0	0	0	0	0	0	0	1	0	20
61	0	3	0	0	0	0	1	0	12	0	70
71	1	0	0	0	1	0	0	0	0	4	80
81	0	0	1	0	0	0	0	4	0	0	90



MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
91	0	0	6	0	2	7	3	0	0	5	100
101	0	7	1	10	22	0	0	0	0	0	110
111	1	0	3	10	0	30	300	162	100	149	120
121	81	21	0	0	0	0	3	4	0	3	130
131	2	0	2	0	0	49	4	0	0	0	140
141	1	0	0	0	0						

ORIGIN ZONE 134 PURPOSE 3 93 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	23	0	28	0	0	10
31	0	0	0	4	0	0	0	0	0	0	40
61	0	5	0	1	0	0	0	0	0	0	70
111	0	0	0	0	0	0	28	0	3	0	120
131	0	0	0	0	0	1	0	0	0	0	140

ORIGIN ZONE 134 PURPOSE 4 594 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	4	0	0	0	3	2	0	0	0	10
11	0	0	0	0	0	0	4	0	3	0	20
31	0	1	1	0	0	0	1	0	0	0	40
41	0	0	0	0	4	0	0	0	0	5	50
51	0	0	0	1	0	3	1	0	0	0	60
61	1	1	0	1	0	0	1	0	4	0	70
71	2	0	0	2	0	0	2	0	0	0	80
81	0	0	7	0	0	0	0	0	0	0	90
91	0	2	3	0	2	6	0	0	6	0	100
101	0	0	0	22	0	0	6	17	0	0	110
111	13	0	0	16	0	38	157	80	61	32	120
121	9	12	0	10	0	0	0	0	0	8	130
131	0	0	0	0	0	10	10	0	0	0	140
141	0	0	2	0	0						

ORIGIN ZONE 135 PURPOSE 1 649 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	8	0	0	3	0	0	0	1	0	10
31	0	0	0	0	0	0	0	0	0	5	40
51	0	0	0	0	5	0	0	0	0	0	60
61	0	1	2	0	0	4	0	0	1	0	70
71	1	1	0	0	0	0	3	0	0	0	80
81	2	0	0	10	0	0	0	0	0	3	90
91	0	0	19	0	0	6	0	0	0	0	100

MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
101	1	0	0	0	10	0	13	0	0	0	110
111	20	0	0	0	0	16	243	31	26	10	120
121	18	12	0	0	0	0	3	0	0	0	130
131	1	0	9	4	40	82	8	0	0	0	140
141	1	3	2	1							

ORIGIN ZONE 135 PURPOSE 2 357 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
81	0	0	4	0	0	0	0	0	0	1	90
101	0	0	0	8	9	0	4	0	0	0	110
111	0	0	0	0	0	5	52	32	21	6	120
121	9	0	0	0	0	0	3	0	0	2	130
131	2	0	7	0	59	125	2	0	0	0	140
141	1	0	4	1							

ORIGIN ZONE 135 PURPOSE 3 5 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
81	0	0	0	1	0	0	0	0	0	0	90
131	0	0	0	0	0	4	0	0	0	0	140

ORIGIN ZONE 135 PURPOSE 4 210 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
11	0	0	0	1	0	0	0	0	0	0	20
31	0	0	1	0	0	0	0	0	0	0	40
61	0	0	1	0	0	0	0	6	0	0	70
71	0	0	0	2	0	2	0	0	0	0	80
81	2	0	0	0	0	0	0	0	0	0	90
91	0	0	0	0	0	0	0	0	0	4	100
101	0	0	0	6	0	0	2	0	0	0	110
111	3	0	0	0	0	13	67	16	11	10	120
121	13	0	0	0	0	0	0	0	0	0	130
131	0	0	3	0	0	33	3	0	0	2	140
141	0	0	9	0							

ORIGIN ZONE 136 PURPOSE 1 1414 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	3	2	9	0	9	20	18	26	0	0	10
11	0	0	0	0	0	0	5	0	2	5	20
21	0	0	4	7	0	0	7	0	0	0	30



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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
31	0	3	0	1	0	0	0	0	0	0	40
41	0	0	5	0	2	1	1	0	0	0	50
51	0	0	0	0	0	3	0	0	0	0	60
61	0	21	3	7	3	3	0	2	4	0	70
71	6	3	0	0	0	5	3	1	3	0	80
81	3	0	6	2	0	0	4	0	0	13	90
91	0	2	11	0	0	23	5	0	10	2	100
101	4	0	0	8	54	3	0	0	0	0	110
111	26	0	0	0	11	18	466	62	46	23	120
121	51	11	0	0	4	0	20	3	0	6	130
131	139	0	55	35	83	0	2	0	0	0	140
141	0	0	4	0							

ORIGIN ZONE 136 PURPOSE 2 642 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	3	0	0	0	6	9	0	0	0	10
11	0	0	0	0	0	0	1	0	0	0	20
21	0	0	0	0	0	0	1	0	0	0	30
41	0	0	0	0	0	2	0	0	0	0	50
61	0	2	0	0	0	0	0	0	1	0	70
91	0	0	0	0	0	0	1	0	0	0	100
101	0	5	0	14	11	3	4	0	0	0	110
111	7	0	0	0	0	8	145	18	14	13	120
121	48	7	0	9	0	4	18	0	0	0	130
131	70	0	42	48	125	0	0	0	0	0	140
141	0	0	3	0							

ORIGIN ZONE 136 PURPOSE 3 393 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	13	22	0	8	8	0	10
11	0	0	0	0	0	0	0	0	4	4	20
31	0	11	3	45	0	0	0	0	0	13	40
41	0	0	0	0	0	0	0	0	0	12	50
61	5	20	3	6	0	0	6	0	8	7	70
71	21	0	0	0	2	0	15	0	0	0	80
81	0	0	0	0	0	0	5	0	0	0	90
91	0	0	14	0	0	0	0	8	7	5	100
101	0	0	0	0	18	0	0	0	0	0	110
111	14	0	0	0	0	0	64	0	8	0	120
121	0	0	0	0	0	3	3	0	0	2	130
131	0	0	0	1	3	0	0	0	0	0	140
141	0	0	1	0							

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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	4	0	0	0	3	0	2	0	0	10
11	0	0	0	0	0	0	0	0	2	2	20
31	0	2	0	0	0	0	0	0	0	0	40
41	0	0	0	0	4	1	0	0	0	0	50
61	0	4	0	2	0	0	0	0	1	0	70
71	4	0	0	2	0	0	0	0	0	0	80
101	0	0	10	12	3	0	0	7	0	0	110
111	24	0	0	6	0	6	34	18	13	5	120
121	6	0	0	10	0	0	4	0	0	4	130
131	14	0	8	10	33	0	18	0	0	0	140
141	0	0	2	0							

ORIGIN ZONE 137 PURPOSE 1 2634 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	10	0	6	13	39	23	23	8	0	10
11	0	0	0	0	1	0	0	0	0	8	20
21	1	7	7	1	0	0	7	1	0	0	30
31	0	16	0	11	1	2	0	4	0	7	40
41	0	2	9	4	6	2	0	0	0	0	50
51	0	0	7	0	2	6	18	2	7	0	60
61	0	44	14	6	0	4	0	0	30	0	70
71	8	0	0	0	0	10	30	2	0	0	80
81	3	0	2	0	0	0	5	0	0	0	90
91	0	0	8	0	0	3	4	0	0	0	100
101	0	0	2	3	21	0	0	0	0	0	110
111	4	0	0	0	0	9	71	10	3	6	120
121	17	0	2	0	0	0	0	2	0	0	130
131	10	3	2	4	8	4	1495	24	226	170	140
141	25	8	69	2							

ORIGIN ZONE 137 PURPOSE 2 1992 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	8	1	0	1	15	6	5	0	0	10
11	0	3	0	0	0	2	6	2	0	1	20
21	0	0	0	0	0	2	1	0	0	0	30
31	0	0	1	2	5	0	0	3	0	1	40
41	1	3	7	11	4	0	0	0	0	0	50
51	0	0	1	0	2	5	5	0	2	0	60
61	2	24	8	6	0	4	6	0	0	0	70
71	0	0	0	0	2	0	0	0	0	0	80
81	4	0	0	0	0	0	0	0	0	0	90



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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
91	1	0	5	0	0	0	0	0	0	0	100
101	2	0	0	0	7	2	3	0	0	0	110
111	1	4	0	0	0	7	18	1	0	0	120
121	0	2	0	0	0	0	2	0	0	0	130
131	6	0	0	5	3	0	1395	16	158	105	140
141	21	8	52	3	3	0					

ORIGIN ZONE 137	PURPOSE 3		760 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1	11	0	0	0	2	8	15	32	2	0	10	
11	6	2	0	0	0	0	17	0	0	3	20	
21	0	0	0	0	3	0	4	0	0	0	30	
31	0	46	0	6	4	0	0	0	0	2	40	
41	0	0	10	0	3	9	0	0	0	15	50	
51	0	0	0	0	-15	0	18	0	0	0	60	
61	0	67	20	26	0	0	18	0	0	0	70	
71	48	0	0	0	0	0	0	0	76	0	80	
81	4	0	15	10	3	0	10	0	0	0	90	
91	0	0	14	0	0	7	0	0	0	0	100	
101	0	0	8	0	5	0	0	0	0	0	110	
111	0	0	0	0	0	10	88	10	0	0	120	
121	0	0	0	0	0	0	36	0	0	22	140	
141	0	0	27	3								

ORIGIN ZONE 137	PURPOSE 4		1706 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	20	0	0	3	22	12	2	10	0	10
11	0	4	0	0	0	0	8	2	2	3	20
21	1	2	2	0	0	14	0	2	0	0	30
31	0	6	0	4	1	0	0	4	0	4	40
41	2	0	28	27	8	0	1	0	0	1	50
51	3	0	0	0	0	6	18	0	0	0	60
61	0	24	7	8	0	0	0	0	0	0	70
71	15	0	0	0	0	0	0	0	0	0	80
81	3	0	2	0	0	0	1	1	0	0	90
91	2	0	13	0	0	15	3	0	0	0	100
101	0	0	0	0	39	2	7	2	0	0	110
111	12	0	0	0	0	13	85	11	9	17	120
121	13	0	0	4	0	4	5	0	0	5	130
131	31	4	6	11	2	17	784	9	88	72	140
141	68	8	52	8							

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ORIGIN ZONE 138	PURPOSE 1		59 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	1	2	0	0	0	10
61	0	4	0	4	0	0	0	0	0	0	70
71	0	0	0	0	0	0	0	0	2	0	80
111	0	0	0	0	0	0	1	0	2	0	120
131	0	0	0	0	0	0	26	0	0	1	140
141	14	0	2	0							

ORIGIN ZONE 138	PURPOSE 2		44 TOTAL ORIG PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	0	2	0	0	0	10
81	0	0	0	0	0	0	0	0	2	0	90
131	0	0	0	0	0	0	18	0	0	2	140
141	16	2	2	0							

ORIGIN ZONE 138	PURPOSE 3		1 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
141	1	0	0	0							

ORIGIN ZONE 138	PURPOSE 4		22 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
71	0	0	0	0	0	7	0	0	0	0	80
101	0	0	0	0	2	0	0	0	0	0	110
111	0	0	0	0	0	0	1	0	0	0	120
131	0	0	0	0	0	0	10	0	0	0	140
141	2	0	0	0							

ORIGIN ZONE 139	PURPOSE 1		274 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	3	4	1	0	0	0	10
11	0	0	0	0	0	0	0	1	0	5	20
21	0	0	0	0	0	0	1	0	0	0	30
31	0	0	0	0	1	2	0	0	0	0	40
41	0	0	0	0	0	2	0	0	0	0	50
51	0	0	0	0	0	0	1	0	0	0	60
81	0	0	0	0	0	0	2	0	0	0	90
101	0	0	0	0	7	0	0	0	0	0	110
111	0	0	0	0	0	0	1	0	0	0	120



TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
131	0	0	0	0	0	0	224	0	0	13	140
141	2	3	1	0							
ORIGIN ZONE 139	PURPOSE 2	192 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	5	3	0	0	0	0	10
41	0	0	0	7	0	0	0	0	0	0	30
111	0	0	0	0	0	1	0	0	0	0	120
121	0	0	0	0	0	2	0	0	0	0	130
131	0	0	0	0	0	0	158	0	0	11	140
141	0	3	0	1							
ORIGIN ZONE 139	PURPOSE 3	0 TOTAL ORIG/PROD									
ORIGIN ZONE 139	PURPOSE 4	135 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
11	0	0	0	0	0	0	5	0	0	0	20
31	0	0	0	0	0	4	0	0	0	0	40
91	0	0	2	0	0	0	0	0	0	0	100
111	0	0	0	0	0	0	6	0	0	5	120
121	0	0	0	0	0	3	0	0	0	0	130
131	2	0	0	0	0	0	86	0	0	13	140
141	4	3	2	0							
ORIGIN ZONE 140	PURPOSE 1	499 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	7	0	0	4	7	8	6	0	0	10
11	0	0	0	0	0	0	2	0	0	0	20
21	0	0	2	5	0	0	0	0	0	0	30
31	0	4	0	0	0	0	0	0	0	0	40
41	5	0	10	0	0	0	0	0	2	0	50
71	0	0	0	0	3	0	0	0	0	0	80
91	2	0	6	0	0	0	0	0	0	0	100
101	0	0	0	0	4	0	0	0	0	0	110
111	0	0	0	0	0	0	11	0	0	0	120
121	1	1	0	0	0	0	0	0	0	1	130
131	2	0	2	0	0	0	171	1	11	195	140
141	0	2	23	1							

ORIGIN ZONE 140	PURPOSE 2	186 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	5	0	0	0	0	0	10
11	0	0	0	0	0	0	0	0	0	3	20
31	0	0	0	0	0	0	0	0	0	1	40
41	0	0	0	0	0	0	0	0	0	1	50
51	0	0	0	0	0	0	3	0	0	0	60
61	0	3	0	1	0	0	0	0	0	0	70
111	1	0	0	0	0	0	2	0	0	0	120
121	0	1	0	0	0	0	1	2	0	1	130
131	7	0	0	0	0	0	104	2	11	210	140
141	0	7	17	0							
ORIGIN ZONE 140	PURPOSE 3	11 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
121	0	0	0	0	0	0	11	0	0	0	120
131	0	0	0	0	0	0	20	0	0	0	140
ORIGIN ZONE 140	PURPOSE 4	187 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	7	0	0	0	0	10
11	0	0	0	0	0	0	0	0	0	6	20
31	0	0	0	0	0	0	0	0	0	2	40
51	0	0	0	0	0	6	0	0	0	0	60
61	0	0	0	0	0	0	0	0	2	0	70
91	0	0	0	0	0	4	0	0	0	3	100
101	0	0	0	0	2	0	0	0	0	1	110
111	0	0	0	0	0	2	4	0	0	0	120
121	2	0	0	0	0	0	0	0	0	0	130
131	10	0	0	0	3	0	72	0	13	40	140
141	0	0	8	0							
ORIGIN ZONE 141	PURPOSE 1	289 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	3	0	1	0	5	1	5	7	0	10
21	0	0	2	0	0	0	2	0	0	0	30
71	2	0	0	0	0	0	0	0	2	0	80
111	0	0	0	0	0	0	9	0	2	0	120
131	2	0	0	0	1	0	25	13	2	0	140
141	29	1	169	11							



ORIGIN ZONE	141	PURPOSE	2	164 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE		
11	0	0	0	0	0	0	3	0	0	1	20		
31	0	0	0	0	0	0	0	0	0	1	40		
61	0	0	0	0	0	0	1	0	0	0	70		
91	0	0	2	0	3	1	0	0	0	0	100		
111	0	0	0	0	0	0	3	0	0	0	120		
121	2	0	0	0	0	0	0	0	0	0	130		
131	0	0	1	1	0	0	20	19	0	0	140		
141	31	2	67	4									

ORIGIN ZONE	141	PURPOSE	3	6 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE		
61	0	0	0	0	0	0	0	5	0	0	70		
131	0	0	0	0	0	0	0	1	0	0	140		

ORIGIN ZONE	141	PURPOSE	4	130 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE		
1	0	0	0	0	3	0	2	0	0	0	10		
41	0	5	0	0	0	0	0	0	0	2	50		
111	2	0	0	0	0	0	1	1	1	0	120		
121	1	0	0	0	0	0	0	0	0	0	130		
131	0	0	1	0	0	0	70	4	2	0	140		
141	4	0	31	0									

ORIGIN ZONE	142	PURPOSE	1	179 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE		
1	0	1	0	0	0	2	0	0	4	0	10		
11	0	0	0	0	0	0	1	0	0	1	20		
21	0	1	4	0	0	0	0	0	0	0	30		
61	0	0	0	0	3	2	0	0	0	0	70		
71	0	0	0	2	0	0	0	0	0	0	80		
81	0	0	1	0	0	0	3	0	0	0	90		
91	0	0	0	0	0	0	0	0	0	1	100		
111	0	0	0	0	2	0	6	0	2	0	120		
121	2	0	0	0	0	0	0	0	0	0	130		
131	0	0	1	0	2	0	8	0	4	2	140		
141	2	0	122	0									

ORIGIN ZONE	142	PURPOSE	2	125 TOTAL ORIG/PROD									
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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE		
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE		
1	0	0	0	0	0	3	0	0	0	0	10		
81	0	0	0	0	0	0	0	0	0	1	90		
111	0	0	0	0	0	1	2	1	0	0	120		
121	1	0	0	0	0	0	0	0	0	1	130		
131	0	0	0	0	0	0	8	2	2	7	140		
141	2	7	86	1									

ORIGIN ZONE	142	PURPOSE	3	43 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE		
141	0	0	43	0									

ORIGIN ZONE	142	PURPOSE	4	69 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE		
1	0	0	0	0	0	0	1	3	0	0	10		
31	0	3	0	0	0	0	0	0	0	0	40		
111	0	0	0	0	0	0	5	0	0	0	120		
121	2	0	0	0	0	0	0	0	0	0	130		
131	1	0	3	0	0	0	8	0	3	0	140		
141	0	0	39	1									

ORIGIN ZONE	143	PURPOSE	1	1596 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE		
1	2	5	0	0	7	15	18	12	5	0	10		
11	0	0	0	0	0	0	6	5	3	5	20		
21	4	0	1	1	0	2	3	0	0	0	30		
31	0	8	0	2	0	5	0	0	0	8	40		
41	2	0	6	0	2	0	2	0	0	0	50		
51	0	0	0	0	3	2	4	0	6	0	60		
61	0	14	3	4	1	3	0	0	8	2	70		
71	0	2	2	4	0	4	0	5	0	0	80		
81	1	2	0	0	0	0	7	0	0	0	90		
91	0	0	9	3	0	10	1	0	1	0	100		
101	0	0	2	3	14	0	0	0	0	0	110		
111	2	0	0	0	4	6	76	10	5	0	120		
121	8	1	0	0	2	0	2	0	0	1	130		
131	15	0	1	0	3	3	71	3	1	22	140		
141	168	124	624	187									

ORIGIN ZONE	143	PURPOSE	2	1102 TOTAL ORIG/PROD									
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MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	2	0	0	3	9	5	0	0	10
11	0	0	0	0	0	0	2	0	0	1	20
21	0	0	0	2	0	0	2	0	0	0	30
31	0	2	0	0	0	0	0	0	0	1	40
41	0	0	4	4	0	3	0	0	0	2	50
51	0	0	0	0	0	3	5	0	0	0	60
61	0	6	1	2	0	0	0	0	5	2	70
71	3	0	0	0	0	0	0	0	3	0	80
81	0	2	1	0	0	0	0	0	0	0	90
91	3	0	3	0	0	1	1	0	0	1	100
101	1	0	0	4	10	0	0	0	0	0	110
111	0	0	0	0	0	4	23	3	1	0	120
121	3	0	0	0	0	0	0	0	0	0	130
131	5	0	2	1	4	4	50	1	0	18	140
141	66	85	576	157							

ORIGIN ZONE 143 PURPOSE 3 185 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	0	5	0	0	0	18
41	0	0	3	0	0	0	0	0	0	0	50
51	0	0	0	0	0	3	0	0	0	0	60
61	7	7	0	2	0	0	0	0	8	0	70
71	18	0	0	0	0	0	0	0	0	0	80
91	0	0	2	0	0	41	0	0	7	0	100
101	5	0	1	0	0	0	0	0	0	0	110
111	0	0	0	0	0	0	2	2	0	0	120
131	0	0	0	0	0	0	27	0	0	0	140
141	0	43	2	0							

ORIGIN ZONE 143 PURPOSE 4 714 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	4	1	0	0	2	4	2	4	0	0	18
11	0	0	0	0	0	0	4	0	0	0	20
21	1	1	0	0	0	0	0	0	0	0	30
31	0	4	0	0	0	0	0	0	0	0	40
41	0	0	0	1	0	6	0	0	0	0	50
51	0	0	0	0	0	2	5	0	0	0	60
61	0	6	2	2	0	0	0	0	2	0	70
71	1	0	0	0	0	1	0	2	0	0	80
81	3	0	17	0	0	0	0	0	0	0	90
91	0	0	0	0	0	4	0	0	0	0	100
101	0	4	0	0	10	0	4	4	0	0	110
111	4	2	0	3	0	17	61	20	15	4	120

MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
121	8	2	0	0	0	0	2	0	0	1	130
131	15	0	1	2	8	2	52	0	2	8	140
141	31	39	266	46							

ORIGIN ZONE 144 PURPOSE 1 231 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	0	8	2	2	0	10
31	0	0	0	0	0	5	0	0	0	3	40
41	0	0	0	0	0	0	0	0	0	4	50
51	0	0	0	0	0	4	0	0	0	0	60
61	0	2	0	0	0	0	0	0	0	0	70
91	0	0	1	0	0	0	0	0	0	0	100
101	0	0	0	0	1	0	0	0	0	0	110
111	7	0	0	0	0	0	3	0	0	2	120
121	0	0	0	0	0	0	1	0	0	0	130
131	0	0	0	0	0	0	3	0	0	1	140
141	11	0	187	9							

ORIGIN ZONE 144 PURPOSE 2 180 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
41	0	2	0	0	0	0	0	0	0	3	50
61	0	0	0	3	0	0	0	0	0	1	70
71	2	0	0	0	0	0	0	0	0	0	80
101	0	0	0	0	2	0	0	0	0	0	110
111	0	0	0	0	0	0	0	1	0	0	120
131	0	1	0	0	1	0	3	0	1	0	140
141	5	0	158	0							

ORIGIN ZONE 144 PURPOSE 3 8 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
131	0	0	0	0	0	0	8	0	0	0	140

ORIGIN ZONE 144 PURPOSE 4 75 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	9	0	0	0	0	0	10
81	0	0	4	0	0	0	0	0	0	0	90
111	0	0	0	0	0	0	0	2	1	0	120
121	0	0	0	0	0	0	2	0	0	0	130
131	0	0	1	0	0	0	8	0	0	0	140



MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
141	0	2	46	0							

MATRIX MULTIPLICATION

TRIP END SUMMARY --- PURPOSE 1

ZONE/DIST	ORIG/PROD	DEST/ATTR	TOTAL	INTRATRIPTS	ZONE/DIST	ORIG/PROD	DEST/ATTR	TOTAL	INTRATRIPTS
1	405	429	834	0	41	1332	1351	2703	7
2	17592	17635	35227	0	42	507	511	1018	148
3	300	303	603	0	43	3048	3045	6093	157
4	2844	2852	5696	840	44	2847	2839	5686	20
5	3412	3410	6822	13	45	568	578	1146	0
6	15904	15900	31804	78	46	1062	1060	2122	3
7	13137	13136	26273	53	47	1864	1875	3739	5
8	20684	20699	41383	29	48	113	109	222	0
9	1116	1106	2222	5	49	533	545	1078	0
10	24	23	47	0	50	3687	3683	7370	5
11	10	7	17	0	51	4185	4180	8363	250
12	234	229	463	0	52	1160	1147	2307	0
13	61	59	120	0	53	773	783	1556	2
14	528	535	1063	0	54	276	264	540	0
15	115	117	232	0	55	2859	2900	5799	6
16	148	144	292	5	56	4125	4129	8254	401
17	6356	6350	12706	17	57	1831	1820	3651	737
18	433	437	870	0	58	766	755	1521	0
19	1766	1768	3534	203	59	3116	3144	6260	6
20	5127	5134	10261	38	60	756	741	1497	8
21	4518	4505	9023	1546	61	226	228	454	0
22	1209	1198	2407	0	62	12074	12064	24138	103
23	1377	1398	2775	3	63	2708	2732	5440	5
24	1402	1402	2804	24	64	3254	3237	6491	7
25	3877	3881	7758	481	65	502	493	995	7
26	1379	1388	2767	15	66	2208	2210	4418	121
27	1769	1763	3532	414	67	986	987	1973	14
28	40	41	81	0	68	1271	1273	2544	58
29	15	13	28	0	69	8498	8484	16982	66
30	13	10	23	0	70	658	660	1318	2
31	247	244	491	3	71	3977	3969	7946	4
32	18303	18298	36601	263	72	987	977	1969	0
33	8775	8780	17555	206	73	578	587	1165	0
34	12607	12598	25205	21	74	1107	1123	2230	2
35	2997	3007	6004	130	75	5017	5010	10027	318
36	1674	1672	3346	216	76	3482	3479	6961	25
37	2348	2344	4692	064	77	2095	2099	4194	903
38	3425	3430	6855	2	78	1763	1764	3527	1
39	917	900	1817	0	79	316	312	628	6
40	8798	8808	17606	438	80	747	747	1494	2



MATRIX MULTIPLICATION

TRIP END SUMMARY --- PURPOSE 1

ZONE/DIST	ORIG/PROD	DEST/ATTR	TOTAL	INTRATRIPS	ZONE/DIST	ORIG/PROD	DEST/ATTR	TOTAL	INTRATRIPS
81	1875	1877	3752	58	121	2799	2791	5590	2
82	1303	1309	2612	0	122	407	400	807	0
83	2356	2362	4710	22	123	83	85	168	0
84	2071	2065	4136	0	124	296	290	586	0
85	242	254	496	0	125	108	107	215	0
86	170	159	329	0	126	280	277	557	0
87	1357	1349	2706	4	127	2272	2268	4540	987
88	1202	1202	2404	15	128	846	848	1694	8
89	439	446	885	10	129	82	83	165	0
90	1593	1590	3183	97	130	702	695	1397	0
91	748	749	1497	80	131	9157	9161	18318	30
92	196	190	386	0	132	36	35	71	0
93	6321	6317	12638	161	133	2043	2045	4088	0
94	148	150	298	2	134	2161	2155	4316	3
95	717	700	1417	4	135	649	650	1299	40
96	5495	5503	10998	21	136	1414	1420	2834	0
97	1176	1174	2350	93	137	2634	2638	5272	1495
98	1081	1081	2164	2	138	59	57	116	0
99	3233	3213	6446	0	139	274	266	540	0
100	2464	2473	4937	4	140	499	499	998	195
101	851	845	1696	384	141	289	294	583	29
102	1367	1374	2741	0	142	179	176	355	0
103	2285	2299	4584	0	143	1596	1597	3193	624
104	4887	4882	9769	114	144	251	250	501	9
105	13989	13985	27974	478					
106	199	193	392	0					
107	890	899	1789	0					
108	244	239	483	0					
109	4	3	7	0					
110	227	230	457	0					
111	2644	2648	5292	0					
112	200	198	398	0					
113	82	82	164	0					
114	1562	1562	3124	0					
115	1081	1083	2164	6					
116	3812	3805	7617	103					
117	21734	21744	43478	27					
118	2229	2235	4464	0					
119	1386	1374	2760	0					
120	857	859	1716	113					
TOTALS	379638	379638	759276	14571					

MATRIX MULTIPLICATION

TRIP END SUMMARY --- PURPOSE 2

ZONE/DIST	ORIG/PROD	DEST/ATTR	TOTAL	INTRATRIPS	ZONE/DIST	ORIG/PROD	DEST/ATTR	TOTAL	INTRATRIPS
1	234	238	462	0	41	658	650	1308	4
2	6164	6199	12363	5	42	436	434	870	170
3	103	107	210	0	43	1518	1521	3039	121
4	1749	1757	3506	628	44	1334	1338	2672	9
5	1112	1120	2232	7	45	243	243	486	0
6	4155	4169	8324	62	46	469	473	942	2
7	2342	2342	4684	28	47	553	546	1099	5
8	4307	4306	8613	6	48	47	52	99	0
9	267	267	534	0	49	159	159	318	0
10	8	7	15	0	50	746	750	1496	0
11	6	6	12	0	51	1157	1162	2319	167
12	188	194	382	0	52	321	316	637	0
13	18	18	36	0	53	107	104	211	0
14	168	161	329	0	54	391	399	790	0
15	89	87	176	0	55	959	946	1905	9
16	138	132	270	0	56	1701	1702	3403	276
17	3030	3040	6070	18	57	1500	1503	3003	770
18	245	244	489	7	58	380	379	759	0
19	2646	2643	5289	264	59	1568	1562	3130	0
20	2726	2729	5455	24	60	190	192	382	9
21	2990	2987	5977	1018	61	103	104	207	0
22	322	319	641	3	62	2814	2828	5642	33
23	693	696	1389	8	63	756	763	1519	4
24	1170	1178	2348	22	64	843	837	1680	3
25	2295	2298	4593	178	65	233	230	463	11
26	802	809	1611	21	66	982	990	1972	62
27	814	800	1614	233	67	503	500	1003	4
28	15	14	29	0	68	1274	1260	2534	122
29	27	28	55	0	69	3454	3461	6915	45
30	9	8	17	0	70	501	490	991	0
31	82	86	168	2	71	2274	2287	4561	10
32	6807	6789	13596	143	72	578	569	1147	0
33	2219	2219	4438	172	73	350	347	697	0
34	4271	4266	8537	8	74	755	763	1518	2
35	1392	1397	2789	99	75	1482	1482	2964	149
36	825	819	1644	168	76	981	987	1968	0
37	1140	1143	2283	572	77	867	861	1728	565
38	1477	1471	2948	2	78	801	796	1597	2
39	512	513	1025	0	79	143	149	292	0
40	2911	2904	5815	297	80	700	697	1397	2



MATRIX MULTIPLICATION

TRIP END SUMMARY --- PURPOSE 2

ZONE/DIST	ORIG/PROD	DEST/ATTR	TOTAL	INTRATRIPTS	ZONE/DIST	ORIG/PROD	DEST/ATTR	TOTAL	INTRATRIPTS
81	1197	1197	2394	70	121	1341	1350	2691	0
82	836	844	1680	0	122	302	303	605	0
83	1267	1260	2527	22	123	80	82	162	0
84	1031	1020	2051	3	124	214	213	427	0
85	150	157	307	0	125	88	87	175	0
86	83	74	157	0	126	300	299	599	0
87	740	745	1485	15	127	1522	1528	3050	758
88	678	682	1360	29	128	408	403	811	0
89	275	271	546	17	129	42	45	87	0
90	955	953	1908	69	130	596	583	1179	0
91	649	656	1305	136	131	3833	3848	7681	15
92	70	76	146	0	132	15	16	31	0
93	3048	3040	6088	121	133	658	648	1306	0
94	72	69	141	0	134	1017	1019	2036	0
95	482	490	972	6	135	357	352	709	39
96	2132	2129	4261	14	136	642	649	1291	0
97	606	602	1208	77	137	1992	1990	3982	1395
98	571	573	1144	17	138	44	45	89	0
99	1506	1512	3018	0	139	192	190	382	0
100	1214	1214	2428	2	140	386	386	772	210
101	711	712	1423	351	141	164	166	330	31
102	466	468	934	0	142	125	124	249	7
103	740	739	1479	0	143	1102	1100	2202	576
104	2127	2313	4440	103	144	180	180	360	0
105	5545	5565	11110	496					
106	109	106	215	0					
107	415	414	829	0					
108	69	65	134	0					
109	16	14	30	0					
110	83	84	167	0					
111	1231	1221	2452	0					
112	139	132	271	0					
113	161	158	319	0					
114	752	753	1505	0					
115	616	611	1227	10					
116	1963	1970	3933	112					
117	5989	5974	11963	8					
118	968	962	1930	1					
119	594	593	1187	1					
120	530	519	1049	55					
TOTALS	151895	151895	303790	11539					

MATRIX MULTIPLICATION

TRIP END SUMMARY --- PURPOSE 3

ZONE/DIST	ORIG/PROD	DEST/ATTR	TOTAL	INTRATRIPTS	ZONE/DIST	ORIG/PROD	DEST/ATTR	TOTAL	INTRATRIPTS
1	16	16	32	0	41	159	164	323	0
2	612	690	1302	0	42	18	18	36	0
3	10	9	19	0	43	173	175	348	3
4	191	197	388	49	44	56	48	104	0
5	139	153	292	0	45	35	34	69	0
6	811	820	1631	13	46	52	53	105	0
7	886	891	1777	5	47	75	73	148	0
8	1740	1778	3518	0	48	0	0	0	0
9	77	74	151	0	49	11	7	18	0
10	0	0	0	0	50	177	179	356	0
11	6	6	12	0	51	208	201	409	8
12	3	2	5	0	52	28	32	60	0
13	0	0	0	0	53	26	18	44	0
14	68	66	134	0	54	13	13	26	0
15	35	30	65	0	55	141	140	281	0
16	13	10	23	0	56	165	174	339	2
17	574	562	1136	0	57	296	279	575	19
18	20	21	41	0	58	55	49	104	0
19	315	314	629	7	59	78	80	158	0
20	450	436	886	0	60	11	13	24	0
21	138	139	274	32	61	13	12	25	0
22	45	48	93	0	62	556	555	1111	0
23	53	48	101	0	63	157	168	325	0
24	81	77	158	0	64	187	178	365	0
25	246	246	492	24	65	13	15	28	0
26	77	78	155	0	66	70	66	136	0
27	153	151	304	0	67	36	34	70	0
28	43	39	82	0	68	45	47	92	0
29	0	0	0	0	69	221	220	441	0
30	0	0	0	0	70	39	38	77	0
31	0	0	0	0	71	181	176	357	0
32	1218	1228	2446	24	72	17	0	25	0
33	989	973	1962	13	73	2	0	2	0
34	674	671	1345	0	74	16	13	29	0
35	301	301	602	5	75	78	80	158	4
36	200	209	409	0	76	162	156	318	0
37	137	133	270	2	77	300	298	598	13
38	180	189	377	0	78	129	138	267	0
39	85	89	174	0	79	43	39	82	0
40	364	333	697	0	80	21	16	37	0



TRIP END SUMMARY --- PURPOSE 3

ZONE/DIST	ORIG/PROD	DEST/ATTR	TOTAL	INTRATRIPS	ZONE/DIST	ORIG/PROD	DEST/ATTR	TOTAL	INTRATRIPS
81	90	87	177	0	121	227	229	456	0
82	35	34	69	0	122	29	28	57	0
83	78	80	158	4	123	0	0	0	0
84	73	71	144	0	124	0	0	0	0
85	15	11	26	0	125	3	2	5	0
86	1	0	1	0	126	37	29	66	0
87	70	68	138	0	127	26	26	52	0
88	28	29	57	4	128	108	110	218	0
89	3	2	5	0	129	0	0	0	0
90	19	19	38	0	130	27	25	52	0
91	15	11	26	0	131	245	247	492	0
92	81	65	146	0	132	15	15	30	0
93	229	246	475	8	133	59	59	118	0
94	38	38	76	0	134	93	93	186	0
95	23	21	44	0	135	5	7	12	0
96	207	205	412	0	136	393	386	779	0
97	43	42	85	7	137	760	801	1561	36
98	21	23	44	0	138	1	1	2	0
99	92	86	178	0	139	0	0	0	0
100	11	12	23	0	140	31	32	63	0
101	33	35	68	4	141	6	5	11	0
102	15	12	27	0	142	43	43	86	0
103	64	61	125	0	143	185	181	366	2
104	76	73	149	0	144	8	3	11	0
105	462	458	920	4					
106	50	49	99	0					
107	73	72	145	0					
108	5	5	10	0					
109	0	0	0	0					
110	0	0	0	0					
111	203	202	405	0					
112	0	0	0	0					
113	1	2	3	0					
114	107	108	215	0					
115	55	55	110	0					
116	396	379	769	0					
117	859	869	1728	0					
118	148	151	299	0					
119	80	77	157	0					
120	31	29	60	0					
TOTALS	21143	21143	42286	292					

TRIP END SUMMARY --- PURPOSE 4

ZONE/DIST	ORIG/PROD	DEST/ATTR	TOTAL	INTRATRIPS	ZONE/DIST	ORIG/PROD	DEST/ATTR	TOTAL	INTRATRIPS
1	207	230	437	0	41	628	628	1256	0
2	7168	7307	14375	13	42	150	155	305	18
3	41	45	86	0	43	641	634	1275	22
4	1704	1710	3414	317	44	878	873	1751	57
5	679	689	1368	2	45	398	400	800	0
6	4095	4089	8184	38	46	610	614	1224	0
7	1154	1164	2318	17	47	1057	1043	2100	4
8	2187	2195	4382	6	48	72	74	146	0
9	195	185	380	2	49	95	93	188	0
10	4	2	6	0	50	1004	1014	2018	0
11	9	7	16	0	51	490	451	941	27
12	167	166	333	0	52	336	330	666	0
13	45	41	84	0	53	117	124	241	0
14	330	325	655	1	54	112	112	224	0
15	95	101	196	0	55	538	551	1089	0
16	28	25	53	0	56	1281	1268	2549	106
17	2017	2024	4041	10	57	529	533	1062	178
18	302	310	612	0	58	181	169	350	0
19	1512	1496	3008	134	59	1506	1506	3012	12
20	1622	1622	3244	16	60	146	149	295	7
21	2036	2046	4082	488	61	85	77	162	0
22	201	197	398	0	62	1601	1598	3199	7
23	578	571	1149	0	63	488	483	971	0
24	825	833	1658	19	64	628	623	1251	0
25	1087	1080	2167	128	65	119	116	235	0
26	1073	1062	2135	6	66	479	479	958	12
27	554	551	1105	19	67	381	380	761	0
28	17	20	37	0	68	422	428	850	22
29	24	22	46	0	69	1736	1722	3458	17
30	4	2	6	0	70	382	392	774	0
31	36	35	71	0	71	1473	1472	2945	0
32	3458	3451	6909	57	72	339	326	665	0
33	1275	1270	2545	78	73	203	206	409	0
34	2645	2652	5297	17	74	348	333	673	0
35	1509	1520	3029	48	75	837	823	1660	30
36	665	653	1316	47	76	748	756	1504	0
37	404	399	803	139	77	451	456	907	91
38	1661	1679	3340	0	78	588	604	1192	0
39	181	173	354	3	79	82	75	157	0
40	2442	2446	4888	156	80	361	369	730	0



TRIP END SUMMARY --- PURPOSE 4

ZONE/DIST	ORIG/PROD	DEST/ATTR	TOTAL	INTRATRIPTS	ZONE/DIST	ORIG/PROD	DEST/ATTR	TOTAL	INTRATRIPTS
01	797	778	1575	0	121	663	673	1336	0
02	434	441	875	0	122	195	190	385	0
03	903	915	1818	6	123	94	49	103	0
04	836	850	1686	0	124	253	261	514	0
05	95	83	178	0	125	9	7	16	0
06	40	39	79	0	126	210	211	421	0
07	442	434	876	0	127	731	729	1460	172
08	460	462	922	0	128	137	139	276	10
09	141	134	275	3	129	18	16	34	0
90	526	528	1054	31	130	544	550	1094	0
91	304	297	601	19	131	2586	2586	5172	6
92	98	100	198	0	132	41	37	78	0
93	1993	1998	3991	22	133	383	382	765	0
94	79	75	154	0	134	594	590	1184	0
95	215	223	438	0	135	210	213	423	0
96	1571	1563	3134	3	136	300	295	595	0
97	620	625	1245	49	137	1706	1714	3420	784
98	213	215	428	0	138	22	20	42	0
99	877	873	1750	9	139	135	136	271	0
100	423	425	848	0	140	187	186	373	40
101	217	219	436	30	141	130	126	256	4
102	296	300	596	0	142	69	70	139	0
103	693	690	1383	0	143	714	717	1431	266
104	1788	1790	3578	25	144	75	73	148	0
105	2358	2350	4708	29					
106	59	50	109	0					
107	405	394	799	0					
108	135	147	282	0					
109	17	18	35	0					
110	67	65	132	0					
111	791	797	1590	18					
112	61	62	123	0					
113	43	42	85	0					
114	536	531	1067	0					
115	364	363	727	5					
116	1766	1771	3537	40					
117	4151	4139	8290	17					
118	1861	1862	3723	13					
119	1349	1347	2696	8					
120	634	635	1269	124					
TOTALS	105374	105374	210748	4128					



## 附 錄 二

### 目 標 年 公 路 車 輛 旅 次 起 迄 表

單 位 ： 輛 / 日

PURPOSE      1    :   小 客 車

PURPOSE      2    :   小 貨 車

PURPOSE      3    :   大 客 車

PURPOSE      4    :   大 貨 車



SREPORT MATRIX  
SEFILE  
INPUT FILE = RTABIN, USER ID = \$0600-V5.DATS  
OPTIONS  
PRINT TRIP ENDS  
PRINT TABLE  
SPARAMETERS  
SELECTED PURPOSES = 1-4  
SELECTED ZONES = 1-144  
SEND TP FUNCTION



INPUT FILE NAME ----- RTABIN

FILE CHARACTERISTICS

USER FILE IDENTIFICATION - 060D-V5.DAT

FILE HEADER ----- MATRIX MULTIPLICATION

GENERATING FUNCTION ----- MATRIX MANIPULATE

TYPE OF FILE ----- VOLUME

GENERATION FILE NAME ----- TMAN2

GENERATION DATE ----- 09MAY89

GENERATION TIME ----- 15:26:16

FILE SIZE ----- MAXIMUM ZONE = 144

MAXIMUM TABLE NO. = 5

CURRENT DATE ----- 08JUN89

CURRENT TIME ----- 08:12:51







ORIGIN ZONE	1	PURPOSE	1	1486 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1		0	0	0	26	81	249	148	118	31	0	10	
11		0	0	0	176	0	0	158	0	0	75	20	
21		7	30	0	21	151	0	25	0	0	0	30	
31		0	28	22	27	0	5	0	0	0	7	40	
41		0	10	17	38	10	0	0	0	0	0	50	
51		7	0	0	0	0	0	0	0	0	0	60	
131		0	0	0	0	0	15	0	0	0	0	140	
141		0	0	4	0								

ORIGIN ZONE	1	PURPOSE	2	195 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1		0	0	0	3	0	66	15	5	11	0	10	
11		0	0	0	0	0	6	0	0	3	4	20	
21		0	0	0	10	22	8	0	0	0	5	30	
31		0	2	0	0	0	0	0	0	0	3	40	
41		0	4	6	15	4	2	0	0	0	0	50	
121		1	0	0	0	0	0	0	0	0	0	130	

ORIGIN ZONE	1	PURPOSE	3	25 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1		0	0	0	0	0	9	0	0	0	0	10	
131		0	0	0	0	0	0	16	0	0	0	140	

ORIGIN ZONE	1	PURPOSE	4	302 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1		0	0	0	14	23	94	0	7	0	0	10	
11		0	0	0	0	0	0	15	0	6	15	20	
21		0	0	0	0	0	0	20	0	0	0	30	
31		0	9	0	3	3	4	0	6	0	2	40	
41		0	7	10	25	6	4	0	0	1	0	50	
51		0	0	0	0	2	0	0	0	5	4	60	
61		2	0	0	0	0	0	0	0	0	0	70	
81		0	3	0	0	0	0	0	0	0	0	90	
91		0	0	0	0	0	2	0	0	0	0	100	
101		0	0	0	0	1	0	0	0	0	0	110	
111		0	0	0	0	0	4	2	2	0	0	120	
121		0	0	0	0	0	0	0	0	0	2	130	
141		0	0	4	0								

ORIGIN ZONE	2	PURPOSE	1	40285 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1		0	0	0	1062	1729	13277	5249	8842	366	0	10	
11		0	120	26	1824	0	14	2559	20	256	580	20	
21		107	491	308	129	40	0	368	27	0	0	30	
31		4	695	203	431	9	0	24	29	40	174	40	
41		52	29	107	129	93	28	35	5	0	48	50	
51		0	0	5	0	9	22	3	9	14	0	60	
61		0	103	23	38	0	7	0	0	35	0	70	
71		12	0	0	0	14	15	0	31	6	0	80	
81		8	6	0	3	2	0	18	0	0	0	90	
91		6	3	34	0	0	3	0	0	0	5	100	
101		5	0	0	9	38	0	0	0	0	0	110	
111		6	0	0	0	0	18	51	0	7	0	120	
121		13	0	0	0	0	0	6	0	0	3	130	
131		57	0	3	11	22	2	28	0	0	12	140	
141		6	0	17	0								

ORIGIN ZONE	2	PURPOSE	2	6780 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1		0	2	0	155	300	2547	503	1928	71	0	10	
11		0	58	0	16	0	23	691	15	58	202	20	
21		19	52	32	40	24	0	31	0	13	0	30	
31		0	85	17	51	6	8	0	11	0	14	40	
41		3	15	12	38	28	2	10	0	0	2	50	
51		1	0	0	0	11	2	4	0	2	0	60	
61		0	12	4	5	0	3	0	3	7	0	70	
71		0	0	0	0	0	7	3	0	0	0	80	
81		1	0	0	4	0	0	0	0	0	0	90	
91		0	0	11	0	0	0	0	0	0	0	100	
101		0	0	0	0	1	0	0	0	0	0	110	
111		2	0	0	0	0	0	6	0	0	1	120	
131		6	0	0	0	0	1	7	0	0	0	140	

ORIGIN ZONE	2	PURPOSE	3	900 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1		0	0	0	36	6	133	72	159	0	0	10	
21		0	0	0	0	36	0	0	0	0	0	20	
31		0	42	19	51	19	13	16	12	14	34	40	
41		0	0	0	0	0	11	27	0	0	0	50	
51		0	18	0	0	0	21	0	0	21	5	60	
61		0	20	0	9	0	0	0	0	24	5	70	
71		0	0	0	0	0	8	0	25	0	0	80	



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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
91	0	0	9	0	0	0	0	0	3	0	100
111	0	0	0	0	0	3	1	4	15	0	120
121	0	0	0	0	0	0	0	9	0	0	130
ORIGIN ZONE	2	PURPOSE	4	15052 TOTAL ORIG/PROD							
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	29	0	1352	313	4115	328	1235	52	0	10
11	6	86	28	104	23	0	1058	24	216	202	20
21	201	37	107	61	98	248	280	0	4	0	30
31	2	568	174	425	270	43	23	174	0	293	40
41	66	8	31	133	118	50	68	3	6	88	50
51	14	28	2	2	63	243	7	8	106	15	60
61	0	157	44	61	17	20	8	5	122	19	70
71	65	0	2	4	38	33	16	0	0	0	80
81	27	1	17	11	0	0	4	3	0	0	90
91	4	0	19	0	5	14	0	0	6	2	100
101	1	2	5	16	40	0	0	0	0	6	110
111	10	0	0	0	0	95	244	311	211	3	120
121	20	20	0	0	0	4	5	0	0	0	130
131	24	0	3	3	0	8	33	0	0	0	140
141	0	0	6	0	0	0	0	0	0	0	0
ORIGIN ZONE	3	PURPOSE	1	1086 TOTAL ORIG/PROD							
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	45	253	57	151	31	0	10
11	0	0	0	0	0	0	89	0	18	36	20
21	12	30	23	0	34	0	15	0	0	0	30
31	13	64	24	26	0	0	4	9	0	16	40
41	0	0	12	4	0	0	0	0	0	9	50
51	0	8	0	0	0	0	0	10	0	0	70
61	0	0	0	0	0	0	0	0	0	7	80
71	0	0	0	0	0	0	0	0	0	0	90
81	0	0	0	0	0	0	0	0	0	0	100
111	0	0	0	0	0	0	4	0	0	0	120
131	0	0	0	0	0	34	0	0	0	0	140
ORIGIN ZONE	3	PURPOSE	2	139 TOTAL ORIG/PROD							
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	8	22	6	22	0	0	10
11	0	0	0	0	15	0	10	0	0	11	20
21	0	0	7	0	0	0	0	0	0	0	30
31	0	16	0	0	0	0	0	0	0	1	40

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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
41	0	0	4	5	0	0	0	0	0	0	50
51	0	0	0	0	4	0	0	0	2	0	60
101	0	0	0	1	1	0	0	0	0	0	110
131	0	0	0	0	0	0	2	0	0	0	140
141	0	0	2	0	0	0	0	0	0	0	0
ORIGIN ZONE	3	PURPOSE	3	13 TOTAL ORIG/PROD							
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	3	6	0	4	0	0	10
ORIGIN ZONE	3	PURPOSE	4	59 TOTAL ORIG/PROD							
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	4	3	12	0	4	0	0	10
11	0	0	0	0	0	0	3	0	0	0	20
21	0	0	3	0	0	0	4	0	0	0	30
31	0	0	0	0	3	0	0	1	0	0	40
41	0	0	1	9	2	0	0	0	0	0	50
51	0	1	0	0	0	0	0	0	1	0	60
71	2	0	0	0	0	0	0	0	0	0	80
111	0	0	0	0	0	3	3	0	0	0	120
ORIGIN ZONE	4	PURPOSE	1	7623 TOTAL ORIG/PROD							
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	26	1057	0	2696	75	2059	412	271	48	0	10
11	0	9	0	0	0	7	61	0	37	40	20
21	15	22	53	0	0	0	44	0	18	0	30
31	0	157	63	96	0	20	14	0	0	13	40
41	0	0	18	34	10	0	0	0	0	9	50
51	0	0	0	0	12	34	12	0	0	10	60
61	0	18	5	11	0	0	0	0	11	0	70
71	6	0	0	7	0	0	10	0	0	0	80
81	5	0	0	0	0	0	0	0	0	0	90
91	0	0	9	0	0	11	0	0	0	0	100
101	0	0	0	0	46	0	0	0	0	0	110
111	0	0	0	0	0	2	3	0	0	0	120
121	0	0	0	0	4	0	0	0	0	0	130
131	0	0	0	0	0	0	17	0	0	0	140
141	6	0	0	0	0	0	0	0	0	0	0
ORIGIN ZONE	4	PURPOSE	2	2554 TOTAL ORIG/PROD							



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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	3	158	0	714	43	963	115	102	6	0	10
11	0	3	0	5	9	6	63	0	13	25	20
21	9	6	30	14	7	4	8	0	10	0	30
31	6	73	33	0	15	0	4	7	0	12	40
41	0	0	8	18	8	0	2	0	0	7	50
51	0	0	0	0	1	0	0	0	0	0	60
61	0	13	2	4	0	0	0	0	3	0	70
91	0	0	7	0	0	0	0	0	0	0	100
101	3	0	0	4	0	0	0	0	0	0	110
ORIGIN ZONE	4	PURPOSE	3	280 TOTAL ORIG/PROD							
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	35	0	67	0	12	57	30	0	0	10
21	4	24	0	0	0	0	0	0	0	0	30
31	0	6	5	7	0	0	0	0	0	7	40
61	0	6	10	0	0	0	0	0	0	6	70
111	0	0	0	0	0	0	0	4	0	0	120
ORIGIN ZONE	4	PURPOSE	4	3341 TOTAL ORIG/PROD							
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	14	1357	3	591	8	379	26	21	0	0	10
11	0	5	0	4	0	0	36	14	5	36	20
21	25	3	15	4	0	1	21	0	0	0	30
31	0	69	37	110	20	8	0	65	1	52	40
41	7	0	10	8	6	8	4	0	10	34	50
51	0	4	0	0	10	14	0	0	19	0	60
61	0	26	4	9	2	0	10	0	26	4	70
71	3	0	0	0	0	0	0	1	0	0	80
81	0	0	3	0	0	0	1	0	0	0	90
91	0	0	11	0	0	5	0	0	2	0	100
101	0	0	0	0	1	0	0	0	4	0	110
111	0	0	0	7	0	14	69	41	30	0	120
121	0	0	0	0	0	0	1	0	0	0	130
131	3	0	0	0	0	0	0	0	0	0	140
ORIGIN ZONE	5	PURPOSE	1	7883 TOTAL ORIG/PROD							
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	79	1705	49	74	25	14	4	5	0	0	10
11	0	0	0	0	0	0	0	0	29	5	20
21	88	0	0	0	150	71	22	3	0	0	30
31	22	1621	848	674	135	54	77	128	54	259	40

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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
41	0	2	57	68	33	37	107	0	0	83	50
51	33	0	0	0	14	81	23	7	22	14	60
61	15	152	38	42	0	8	7	0	93	13	70
71	49	9	0	10	45	50	41	34	0	8	80
81	15	5	33	9	12	0	2	4	0	14	90
91	0	5	47	0	2	14	0	0	4	2	100
101	0	6	0	22	33	0	0	0	0	0	110
111	10	0	0	0	0	9	33	4	8	21	120
121	7	0	0	0	0	0	0	0	4	0	130
131	35	0	42	9	8	21	24	0	3	10	140
141	0	0	16	0	0	0	0	0	0	0	150
ORIGIN ZONE	5	PURPOSE	2	2024 TOTAL ORIG/PROD							
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	301	8	43	18	13	8	0	0	0	10
11	0	0	0	0	0	0	8	0	27	0	20
21	75	0	0	10	42	11	6	0	0	0	30
31	11	445	175	120	51	37	27	49	0	97	40
41	31	11	14	47	23	2	22	0	5	19	50
51	0	0	0	0	16	22	0	6	12	6	60
61	0	25	12	6	0	0	0	4	13	2	70
71	15	5	0	0	0	3	11	6	0	0	80
81	5	0	0	0	10	0	0	0	0	7	90
91	0	0	8	0	4	0	0	0	0	0	100
101	0	0	0	2	13	0	0	0	0	0	110
111	7	0	0	0	0	0	0	4	2	6	120
121	0	0	0	0	0	0	0	6	0	0	130
131	15	0	0	0	0	0	0	0	7	8	140
ORIGIN ZONE	5	PURPOSE	3	219 TOTAL ORIG/PROD							
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	11	2	0	0	0	0	0	0	0	10
31	0	25	11	0	17	18	0	0	0	6	40
41	35	0	0	0	0	0	0	0	0	0	50
51	0	0	0	0	0	16	0	0	24	0	60
61	0	0	0	0	0	0	0	0	0	8	70
91	0	0	12	0	0	0	0	0	0	0	100
101	0	0	0	0	8	0	0	0	0	0	110
111	0	0	0	0	0	0	0	0	7	0	120
131	0	0	0	0	0	14	3	0	0	0	140
ORIGIN ZONE	5	PURPOSE	4	1412 TOTAL ORIG/PROD							



MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	21	307	5	6	4	5	0	0	5	0	10
11	0	0	0	0	0	0	0	0	19	0	20
21	22	0	0	0	24	70	14	0	0	0	30
31	0	162	48	114	66	0	0	37	8	43	40
41	24	0	19	16	12	22	8	0	0	16	50
51	0	0	0	0	10	19	5	0	17	3	60
61	0	12	5	3	5	0	0	3	28	1	70
71	23	0	2	0	0	6	10	0	0	2	80
81	0	6	2	2	0	0	0	0	0	0	90
91	0	0	8	0	4	3	0	0	0	4	100
101	0	0	8	3	18	0	0	0	0	0	110
111	4	0	0	0	5	14	38	1	0	0	120
131	17	0	2	0	0	0	5	0	0	0	140
141	2	0	9	6	0	0	0	0	0	0	140

ORIGIN ZONE 6 PURPOSE 1 33216 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	245	13098	244	2043	10	120	35	18	4	0	10
11	0	0	0	23	0	0	5	0	29	13	20
21	132	0	10	7	350	161	93	7	7	0	30
31	82	3893	3160	2583	594	263	112	236	55	924	40
41	159	39	109	349	95	62	146	0	35	153	50
51	21	29	25	6	75	209	17	10	62	50	60
61	18	512	114	150	13	17	0	27	260	43	70
71	122	7	13	16	68	142	82	46	26	12	80
81	29	31	51	68	0	4	34	18	19	13	90
91	12	0	137	0	5	26	0	6	8	2	100
101	0	20	27	27	126	0	0	0	0	0	110
111	12	0	0	0	0	21	114	12	16	0	120
121	5	0	0	0	0	4	16	0	13	0	130
131	197	0	0	32	0	36	79	3	3	9	140
141	7	2	24	0	0	0	0	0	0	0	140

ORIGIN ZONE 6 PURPOSE 2 8477 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	66	2603	23	964	10	265	35	4	0	0	10
11	0	0	0	0	12	0	0	0	38	5	20
21	115	0	2	11	112	129	31	67	7	0	30
31	27	1045	629	601	112	25	19	64	44	214	40
41	24	21	53	213	70	40	30	0	12	14	50
51	0	0	12	0	41	66	18	6	16	7	60
61	0	72	20	20	0	0	14	17	64	3	70
71	15	0	0	0	0	13	28	0	3	3	80

MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
81	10	11	2	9	0	0	14	2	5	0	90
91	19	0	13	0	10	9	0	3	0	0	100
101	0	0	0	7	6	0	0	0	0	0	110
111	0	0	0	0	0	0	74	0	0	0	120
121	0	0	0	0	0	0	13	0	0	0	130
131	16	0	6	0	0	13	44	0	6	0	140
141	0	2	12	0	0	0	0	0	0	0	140

ORIGIN ZONE 6 PURPOSE 3 1350 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	10	134	5	12	0	32	0	0	0	0	10
21	9	0	0	0	15	25	0	0	0	0	30
31	0	167	153	67	31	0	20	18	32	67	40
41	0	0	0	4	6	12	0	0	0	0	50
51	0	0	0	0	0	10	14	0	0	0	60
61	0	70	20	26	0	0	0	0	40	6	70
71	0	0	0	0	52	43	59	6	0	0	80
81	0	0	0	9	0	0	10	0	0	0	90
91	0	3	0	0	0	0	0	0	0	0	100
111	9	0	0	0	0	3	2	3	0	17	120
131	0	0	9	40	0	45	16	0	0	0	140

ORIGIN ZONE 6 PURPOSE 4 8681 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	95	4120	10	381	4	84	6	0	0	0	10
11	0	0	0	2	0	0	12	0	21	3	20
21	66	0	0	6	83	72	8	0	0	0	30
31	0	712	356	427	206	66	28	132	8	155	40
41	72	7	33	56	26	19	81	0	0	62	50
51	11	77	13	0	14	88	9	10	47	9	60
61	0	68	19	28	7	9	0	10	42	28	70
71	31	0	0	0	15	23	75	19	9	0	80
81	9	3	21	4	0	0	2	0	0	0	90
91	0	6	56	0	3	7	2	0	12	10	100
101	3	2	4	9	59	3	1	0	0	0	110
111	25	0	0	0	0	29	105	31	19	3	120
121	2	2	0	0	0	2	7	0	0	0	130
131	53	0	3	9	0	7	45	0	0	13	140
141	0	0	7	3	0	0	0	0	0	0	140

ORIGIN ZONE 7 PURPOSE 1 25610 TOTAL ORIG/PROD



TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	147	5166	56	405	4	36	72	13	0	0	10
11	0	0	0	64	0	0	0	6	55	17	20
21	229	3	0	0	924	337	162	0	4	0	30
31	154	5034	2060	2393	352	284	206	302	107	698	40
41	135	61	270	376	54	120	157	0	15	295	50
51	5	0	9	25	78	108	84	34	94	37	60
61	7	547	124	157	0	10	12	30	236	47	70
71	123	0	3	13	143	249	121	72	19	13	80
81	16	14	66	30	6	2	58	8	12	14	90
91	10	5	184	8	15	61	5	0	42	5	100
101	0	0	19	31	242	0	0	0	0	44	110
111	4	0	0	0	0	13	161	19	18	23	120
121	14	0	0	12	0	0	15	0	0	9	130
131	185	0	9	19	0	34	44	1	0	10	140
141	3	0	35	12							

ORIGIN ZONE 7 PURPOSE 2 4754 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	17	507	8	113	5	34	79	10	0	0	10
11	0	0	0	31	0	0	16	0	9	11	20
21	101	0	0	0	273	55	31	81	0	0	30
31	46	909	328	547	91	75	35	83	13	188	40
41	38	4	51	151	21	43	23	0	0	14	50
51	5	4	0	17	22	39	29	12	10	13	60
61	0	51	23	12	0	6	0	3	52	13	70
71	36	6	12	0	5	22	39	0	0	8	80
81	8	0	10	9	0	0	0	4	4	2	90
91	0	12	21	0	4	5	3	0	7	0	100
101	0	0	3	9	26	0	0	0	0	0	110
111	0	0	0	0	0	4	54	0	0	0	120
121	0	0	0	0	0	0	13	0	0	0	130
131	19	0	0	5	0	11	23	4	3	0	140
141	0	0	22	0							

ORIGIN ZONE 7 PURPOSE 3 1488 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	78	0	59	0	0	12	0	0	0	10
21	6	0	0	0	77	0	0	0	0	0	20
31	0	151	105	43	23	43	32	7	24	59	40
41	40	4	0	5	0	0	41	0	0	0	50
51	0	0	0	0	0	22	41	0	0	0	60
61	0	127	21	45	0	0	0	0	22	0	70
71	0	0	0	0	5	0	30	10	0	0	80

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
81	38	0	0	0	11	0	0	0	0	0	90
91	0	0	19	0	0	0	0	0	0	0	100
101	0	0	0	0	144	0	0	0	0	0	110
111	0	0	0	0	0	9	5	1	0	0	120
131	61	0	36	0	0	0	25	0	0	0	140
141	0	0	7	0							

ORIGIN ZONE 7 PURPOSE 4 2447 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	325	0	27	0	5	37	6	0	0	10
11	0	0	0	0	0	0	0	0	29	0	20
21	82	0	0	7	42	69	9	0	0	0	30
31	4	257	90	38	43	54	4	125	3	60	40
41	20	5	20	55	18	7	24	0	0	17	50
51	6	0	0	6	22	36	10	0	16	3	60
61	0	44	15	18	0	3	7	4	66	0	70
71	19	8	0	4	63	17	58	2	2	6	80
81	19	0	15	8	0	0	4	0	2	4	90
91	7	0	56	0	7	20	8	7	0	0	100
101	1	0	0	4	59	0	0	0	0	0	110
111	7	0	0	0	0	14	145	38	16	6	120
121	14	0	0	0	0	0	0	0	0	0	130
131	28	0	4	0	0	0	29	0	0	0	140
141	3	1	2	0							

ORIGIN ZONE 8 PURPOSE 1 39920 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	125	8746	157	270	4	16	15	39	0	0	10
11	0	0	0	42	0	0	0	0	29	4	20
21	199	0	8	5	495	176	65	0	0	7	30
31	44	7330	6429	5165	772	213	282	387	89	1898	40
41	200	24	106	168	47	123	349	28	64	441	50
51	33	120	15	10	62	301	33	48	143	162	60
61	0	1024	230	293	8	37	19	12	434	56	70
71	213	34	13	7	4	44	94	24	21	5	80
81	97	40	44	109	6	4	38	9	11	6	90
91	15	4	253	10	8	97	7	5	33	8	100
101	4	25	30	84	299	0	0	0	0	0	110
111	52	0	0	4	0	44	249	24	19	13	120
121	17	0	2	0	0	0	6	22	0	9	130
131	88	0	7	17	0	41	42	0	0	8	140
141	4	0	26	0							



MATRIX MULTIPLICATION

ORIGIN ZONE	8	PURPOSE	2	9304 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1		6	1542	23	103	0	4	10	22	8	0	10	
11		0	0	0	0	0	0	6	0	19	0	20	
21		59	0	0	5	169	80	25	0	0	0	30	
31		25	1818	1592	1276	302	84	44	82	26	473	40	
41		52	13	30	66	23	45	104	13	0	51	50	
51		0	4	0	0	19	88	0	11	20	55	60	
61		0	192	52	56	0	3	16	0	43	24	70	
71		24	7	0	0	12	0	0	0	0	6	80	
81		5	3	18	0	0	0	0	10	0	7	90	
91		10	0	59	5	0	9	0	0	3	0	100	
101		3	0	10	14	57	0	0	0	0	0	110	
111		18	0	0	0	0	21	56	7	5	2	120	
121		41	0	12	0	0	0	11	0	0	0	140	
131		0	0	6	0	0	0	0	0	0	0	0	
141		0	0	0	0	0	0	0	0	0	0	0	

ORIGIN ZONE	8	PURPOSE	3	2941 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1		0	163	5	33	0	0	0	0	0	0	10	
31		0	506	1027	99	171	0	29	93	33	80	40	
41		0	0	7	9	7	0	9	0	0	17	50	
51		0	0	6	0	0	24	8	0	6	0	60	
61		0	99	23	25	0	0	0	0	20	0	70	
71		26	0	0	0	0	25	8	0	0	0	80	
81		26	0	7	39	0	0	0	0	0	0	90	
91		0	0	12	9	0	7	0	0	0	0	100	
101		0	0	29	5	33	0	0	0	0	0	110	
111		0	0	0	0	0	7	1	6	0	0	120	
121		18	0	0	0	0	0	7	0	0	0	130	
131		11	0	0	52	0	8	66	0	0	0	140	

ORIGIN ZONE	8	PURPOSE	4	4505 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1		9	1235	5	18	0	0	6	13	0	0	10	
11		0	0	0	0	0	0	0	0	11	0	20	
21		17	0	0	0	20	72	0	0	0	0	30	
31		2	506	344	404	233	40	9	94	6	203	40	
41		46	2	8	24	13	69	41	0	0	36	50	
51		0	24	0	0	26	66	0	1	29	14	60	
61		0	70	26	28	0	11	1	7	61	13	70	
71		34	13	0	4	1	8	10	4	6	10	80	
81		4	10	16	24	0	0	6	11	6	0	90	

MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
91	2	1	38	0	0	12	2	10	10	5	100	
101	7	6	10	31	47	0	0	2	0	0	110	
111	22	0	0	0	0	42	125	29	21	0	120	
121	8	0	0	0	0	0	0	0	0	1	130	
131	11	0	4	0	0	3	6	0	0	0	140	
141	0	3	7	0	0	0	0	0	0	0	0	

ORIGIN ZONE	9	PURPOSE	1	2176 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1		31	368	47	50	0	4	0	0	7	4	10	
11		0	0	0	0	0	0	0	0	6	0	20	
21		28	0	0	0	94	19	72	2	0	0	30	
31		31	340	86	208	27	41	39	19	10	54	40	
41		22	7	66	46	20	12	0	0	0	22	50	
51		0	9	0	0	4	23	21	4	0	4	60	
61		0	43	12	11	0	0	0	16	13	6	70	
71		0	0	0	0	15	14	16	13	5	0	80	
81		0	6	7	0	0	0	0	0	0	0	90	
91		2	0	28	0	0	0	0	0	0	0	100	
101		4	0	0	6	23	0	0	0	0	0	110	
111		0	0	0	0	0	3	8	0	0	0	120	
121		41	0	2	0	0	0	13	0	0	0	140	
141		5	1	6	6	0	0	0	0	0	0	0	

ORIGIN ZONE	9	PURPOSE	2	593 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1		9	74	0	6	0	0	0	3	0	0	10	
21		17	0	0	0	21	18	35	10	0	0	30	
31		25	96	16	104	0	10	7	11	0	18	40	
41		0	4	12	20	0	2	0	0	0	10	50	
51		0	0	0	0	0	2	0	0	0	0	60	
61		0	11	4	4	0	0	0	0	0	0	70	
71		10	3	0	0	0	0	0	0	0	0	80	
81		0	0	2	0	0	0	0	0	0	0	90	
111		0	0	0	0	0	0	5	0	0	0	120	
121		0	0	0	0	0	0	0	0	0	4	130	

ORIGIN ZONE	9	PURPOSE	3	129 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
31		0	0	0	0	97	0	0	0	0	0	40	
41		0	0	4	0	0	0	0	0	0	0	50	



MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
131	0	0	0	0	0	17	11	0	0	0	140
ORIGIN ZONE 9	PURPOSE 4	383 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	61	0	0	2	0	0	0	5	0	10
11	0	0	0	0	0	0	0	0	3	0	20
21	20	0	0	0	12	2	12	0	0	0	30
31	4	8	4	26	16	22	12	7	4	4	40
41	11	3	7	16	13	0	0	0	0	0	50
51	0	0	0	0	0	0	0	0	1	0	60
61	0	1	0	3	0	0	0	0	6	0	70
71	0	0	1	0	0	4	0	0	0	3	80
81	0	7	0	0	0	0	0	0	0	0	90
91	0	0	6	0	0	4	0	0	0	0	100
101	0	0	0	0	2	0	0	0	0	0	110
111	7	0	0	0	0	13	0	0	0	6	120
121	0	0	0	0	0	0	0	0	0	4	130
131	10	0	0	0	0	0	23	0	0	0	140
ORIGIN ZONE 10	PURPOSE 1	68 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	0	0	0	4	0	10
11	12	0	0	0	0	0	0	0	0	2	20
31	0	0	0	11	0	19	0	8	0	0	40
71	12	0	0	0	0	0	0	0	0	0	80
ORIGIN ZONE 10	PURPOSE 2	24 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
31	0	0	0	0	0	14	0	0	0	0	40
81	0	0	0	6	0	0	4	0	0	0	50
ORIGIN ZONE 10	PURPOSE 3	0 TOTAL ORIG/PROD									
ORIGIN ZONE 10	PURPOSE 4	5 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
31	0	0	0	0	0	0	0	0	0	5	40

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ORIGIN ZONE 11	PURPOSE 1	30 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	0	0	0	0	12	10
21	0	0	0	0	13	0	0	0	0	0	30
31	0	0	0	0	0	0	0	0	0	3	40
61	0	0	0	2	0	0	0	0	0	0	70
ORIGIN ZONE 11	PURPOSE 2	15 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
11	0	8	0	0	0	0	5	0	0	0	20
41	0	0	0	0	0	2	0	0	0	0	50
ORIGIN ZONE 11	PURPOSE 3	8 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
131	0	0	0	0	0	0	8	0	0	0	140
ORIGIN ZONE 11	PURPOSE 4	11 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	7	0	0	0	0	0	0	0	0	10
61	0	0	0	0	0	2	0	0	0	0	70
91	0	0	0	0	0	2	0	0	0	0	100
ORIGIN ZONE 12	PURPOSE 1	632 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	120	0	0	0	0	0	0	0	0	10
11	0	0	0	15	0	0	6	0	0	0	20
21	0	0	0	0	30	6	9	0	0	0	30
31	0	89	91	122	11	0	0	18	0	2	40
41	0	9	7	10	4	0	0	0	0	9	50
51	0	0	0	0	3	0	2	0	0	0	60
61	9	16	5	0	0	0	0	0	2	0	70
81	0	0	5	0	0	0	0	9	0	0	90
111	0	0	0	0	0	0	3	4	0	0	120
ORIGIN ZONE 12	PURPOSE 2	344 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	61	0	1	0	0	0	0	0	0	10



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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
11	8	0	0	0	0	0	0	0	12	0	20
21	12	0	0	0	0	0	0	0	0	0	30
31	0	83	22	47	22	0	0	6	0	2	40
41	0	0	2	7	8	0	0	0	0	3	50
51	0	0	0	0	3	2	0	0	10	0	60
61	0	7	0	0	6	2	0	0	0	0	70
71	3	0	0	0	0	0	0	0	0	0	80
131	0	0	0	0	0	0	5	0	0	0	140
ORIGIN ZONE 12	PURPOSE 3	5 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
131	0	0	0	0	0	0	5	0	0	0	140
ORIGIN ZONE 12	PURPOSE 4	104 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	87	0	5	0	0	0	0	0	0	10
21	18	0	0	0	11	9	0	0	0	0	30
31	0	47	13	22	13	0	0	10	0	4	40
41	6	0	1	0	3	0	10	0	0	0	50
51	0	0	0	0	4	3	0	0	1	0	60
61	0	4	5	0	0	0	0	0	0	0	70
81	0	0	6	2	0	0	0	0	0	0	90
91	0	0	2	0	0	0	0	1	0	0	100
111	0	0	0	0	0	0	4	1	0	0	120
131	2	0	0	0	0	0	10	0	0	0	140
ORIGIN ZONE 13	PURPOSE 1	165 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	26	0	0	0	0	0	0	0	0	10
21	0	0	4	0	0	0	0	0	0	0	30
31	0	56	32	19	10	0	0	0	0	0	40
41	0	0	5	0	0	0	0	0	0	0	50
51	0	0	0	0	0	5	0	0	0	0	60
91	0	0	5	0	0	0	0	0	0	0	100
111	0	0	0	0	0	3	0	0	0	0	120
ORIGIN ZONE 13	PURPOSE 2	47 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
11	0	0	0	0	0	0	0	0	8	0	20

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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
21	3	0	0	0	0	0	0	0	0	0	30
31	0	15	8	2	3	0	0	0	0	0	40
71	0	0	0	0	0	0	8	0	0	0	80
ORIGIN ZONE 13	PURPOSE 3	0 TOTAL ORIG/PROD									
ORIGIN ZONE 13	PURPOSE 4	64 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	30	0	0	0	0	0	0	0	0	10
21	7	0	0	0	4	0	0	0	0	0	30
31	0	11	1	6	0	0	0	0	0	0	40
51	0	0	0	0	0	4	0	0	1	0	60
ORIGIN ZONE 14	PURPOSE 1	7660 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	193	1790	0	0	0	33	63	42	0	0	10
11	0	14	0	0	0	0	0	13	35	212	20
21	101	0	0	104	93	32	0	0	0	0	30
31	0	423	413	189	170	50	0	503	176	197	40
41	199	0	64	28	73	0	15	0	0	211	50
51	0	0	199	0	156	69	75	0	56	65	60
61	0	350	92	111	47	0	0	0	68	34	70
71	137	143	0	0	44	0	0	0	0	0	80
81	0	0	0	108	12	0	10	39	0	53	90
91	0	31	44	0	0	85	0	0	0	0	100
101	0	0	0	12	53	0	0	0	0	0	110
111	0	0	0	0	0	0	48	0	0	0	120
131	21	0	0	0	0	0	0	0	0	0	140
ORIGIN ZONE 14	PURPOSE 2	509 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	15	0	3	0	0	33	0	0	0	10
11	0	0	0	0	0	0	0	13	34	37	20
21	35	0	8	8	46	0	0	0	0	0	30
31	0	27	102	0	14	0	0	10	0	15	40
41	5	0	0	19	0	0	14	0	0	4	50
51	0	0	0	0	0	0	0	9	0	0	60
61	0	21	0	9	0	0	0	0	0	0	70
71	0	0	0	0	10	0	0	0	0	3	80
91	0	0	3	0	0	0	0	0	0	0	100



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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
101	0	0	9	0	3	0	0	0	0	0	110
ORIGIN ZONE 14	PURPOSE 3	540 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
31	0	62	32	345	0	0	0	0	0	0	40
51	0	0	0	0	0	0	50	0	0	0	60
91	0	49	0	0	0	0	0	0	0	0	100
111	0	0	0	0	0	0	2	0	0	0	120
ORIGIN ZONE 14	PURPOSE 4	568 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	106	0	6	0	1	0	0	0	0	10
11	0	0	0	2	0	0	0	10	20	24	20
21	42	0	0	0	11	7	3	0	0	0	30
31	0	17	74	7	6	2	0	44	0	13	40
41	48	0	0	0	0	0	3	0	0	0	50
51	0	0	0	0	0	24	0	0	0	0	60
61	0	6	1	6	0	0	0	0	6	0	70
71	5	0	0	3	4	0	0	0	0	0	80
91	0	0	4	0	0	0	0	0	0	0	100
101	0	0	0	0	2	0	0	0	1	0	110
111	0	0	0	0	0	5	9	15	10	0	120
121	0	0	0	10	0	0	0	0	0	0	130
ORIGIN ZONE 15	PURPOSE 1	377 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
11	0	0	0	0	0	0	0	0	15	0	20
21	7	0	0	0	6	44	0	0	0	0	30
31	0	135	0	24	4	0	0	0	0	25	40
91	0	0	0	0	0	3	0	0	0	0	100
101	0	0	0	0	3	0	0	0	0	0	110
111	0	0	0	0	0	0	2	0	0	0	120
121	0	0	0	0	0	0	6	0	0	0	130
131	0	0	0	0	0	0	2	0	0	0	140
ORIGIN ZONE 15	PURPOSE 2	336 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	15	6	0	17	0	0	0	0	10
21	51	0	0	0	12	13	0	0	0	0	30

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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
31	0	121	16	10	0	0	0	7	0	4	40
41	0	9	0	0	0	0	0	0	0	0	50
51	0	0	0	0	0	0	0	4	0	0	60
61	0	17	0	0	0	0	0	0	0	0	70
71	0	0	0	0	0	0	0	0	17	0	80
81	0	0	3	0	0	0	0	0	0	0	90
101	0	0	0	0	14	0	0	0	0	0	110
ORIGIN ZONE 15	PURPOSE 3	45 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
21	3	0	0	0	0	0	0	0	0	0	30
31	0	24	0	9	0	9	0	0	0	0	40
ORIGIN ZONE 15	PURPOSE 4	149 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	23	0	0	0	0	0	0	0	0	10
21	14	0	0	6	5	8	0	0	0	0	30
31	0	10	11	3	15	0	0	0	0	6	40
41	0	0	3	0	0	0	0	0	0	9	50
51	0	0	0	0	0	12	0	0	1	0	60
61	0	1	0	0	0	0	0	0	0	0	70
81	0	0	0	0	0	4	3	0	0	0	90
91	0	0	0	0	0	3	0	0	0	0	100
101	0	0	0	0	2	0	0	0	0	0	110
111	0	0	0	0	0	0	9	2	3	0	120
ORIGIN ZONE 16	PURPOSE 1	324 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	18	0	7	0	0	0	0	0	0	10
11	0	0	0	0	0	8	0	0	0	0	20
21	2	0	4	0	24	5	0	0	0	0	30
31	0	95	17	25	0	0	0	0	0	21	40
41	0	0	0	2	0	0	0	0	0	0	50
61	0	0	0	0	0	8	0	0	1	0	70
71	0	0	0	0	0	7	0	0	0	0	80
81	0	0	3	4	0	0	4	0	0	0	90
101	0	0	0	0	18	0	0	0	0	0	110
111	0	0	0	0	0	0	3	0	0	0	120
121	0	0	0	0	0	0	0	6	0	0	130
131	30	0	0	0	0	0	0	0	0	0	140



ORIGIN ZONE	16	PURPOSE	2	258 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE		
1	9	26	0	4	0	0	0	0	0	0	10		
11	0	0	0	0	0	0	0	7	6	0	20		
21	10	0	0	0	18	0	0	0	0	0	30		
31	0	104	26	11	0	0	0	0	0	0	40		
41	0	0	3	21	0	0	0	0	0	0	50		
71	6	0	0	0	0	0	0	0	0	0	80		
131	0	0	0	0	0	0	7	0	0	0	140		

ORIGIN ZONE	16	PURPOSE	3	16 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE		
51	0	0	0	0	0	0	5	0	0	0	60		
81	0	0	0	0	0	0	0	0	0	0	90		
91	0	0	0	0	0	0	0	0	0	0	100		

ORIGIN ZONE	16	PURPOSE 4		42 TOTAL ORIG/PROD								
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
11		0	0	0	0	0	0	0	0	0	5	20
21		2	0	0	0	0	9	0	0	0	0	30
31		0	0	0	17	0	0	0	0	0	0	40
81		0	0	8	0	0	0	0	0	0	0	90
131		1	0	0	0	0	0	0	0	0	0	140

ORIGIN ZONE	17	PURPOSE	1	13855 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE		
1	159	2537	82	65	0	5	0	0	0	0	10		
11	0	0	0	0	0	0	30	0	64	2	20		
21	126	0	0	3	139	120	10	0	0	0	30		
31	6	2950	1456	2185	270	136	10	136	14	356	40		
41	64	9	23	55	11	23	100	0	19	108	50		
51	0	61	6	0	38	125	18	22	64	18	60		
61	0	363	84	102	7	15	20	38	213	36	70		
71	118	52	4	33	12	55	27	15	0	29	80		
81	33	49	41	119	18	2	47	14	0	11	90		
91	5	9	136	0	2	41	0	0	12	0	100		
101	0	0	13	20	70	0	32	0	0	8	110		
111	17	0	0	0	0	17	82	13	14	0	120		
121	18	0	0	0	4	0	0	4	0	0	130		
131	88	0	11	4	0	14	0	0	0	5	140		
141	0	1	15	0									

ORIGIN ZONE	17	PURPOSE	2	5346 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE		
1	0	700	11	63	8	0	13	6	0	0	10		
11	5	0	0	0	0	0	46	0	78	2	20		
21	157	0	0	0	95	99	0	0	0	0	30		
31	6	1410	534	886	239	78	0	83	36	194	40		
41	17	4	41	64	16	12	33	0	0	22	50		
51	0	2	0	0	8	51	0	5	19	18	60		
61	0	55	15	16	2	22	6	0	42	0	70		
71	29	8	0	6	14	5	12	0	14	7	80		
81	22	0	7	7	6	3	2	4	4	2	90		
91	0	0	20	0	0	14	10	0	0	0	100		
101	0	0	0	5	20	0	4	0	0	0	110		
111	0	0	0	0	0	7	10	5	5	0	120		
121	3	0	0	0	0	0	5	0	0	7	130		
131	18	0	0	0	0	1	15	0	0	0	140		
141	4	0	2	0									

ORIGIN ZONE	17	PURPOSE	3	948 TOTAL ORIG/PROD							
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
11	0	0	0	0	0	0	0	0	3	0	20
31	0	168	25	72	0	144	0	14	0	64	40
51	0	0	0	0	0	0	0	0	33	8	60
61	0	25	13	0	0	0	0	58	11	0	70
71	0	0	0	0	0	0	165	44	0	6	80
81	0	0	26	0	0	0	0	0	0	0	90
91	0	6	30	0	0	0	0	0	0	0	100
111	0	0	0	0	0	0	1	0	0	0	120
131	0	0	0	0	0	0	32	0	0	0	140

ORIGIN ZONE	17	PURPOSE	4	4175 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE		
1	15	1064	5	37	0	13	0	0	0	0	10		
11	0	0	0	0	0	0	21	0	11	0	20		
21	90	0	0	6	32	48	0	0	0	0	30		
31	3	530	106	298	195	136	0	84	5	142	40		
41	24	0	19	47	12	30	60	0	0	59	50		
51	4	15	5	0	0	57	8	3	26	8	60		
61	0	95	24	35	1	0	14	9	48	17	70		
71	57	0	0	18	2	36	9	0	0	13	80		
81	14	12	21	19	2	0	19	17	5	3	90		
91	0	4	42	0	0	27	0	0	4	0	100		
101	1	3	5	40	91	0	6	0	0	0	110		



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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
111	8	0	0	0	0	41	101	7	4	0	120
121	17	2	0	0	0	0	0	2	0	0	130
131	19	0	0	9	0	0	17	0	8	0	140
141	0	0	9	0	0	0	0	0	0	0	0

ORIGIN ZONE	18	PURPOSE	1	1035 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1	0	20	0	0	0	0	7	0	0	0	10	
11	0	0	0	13	0	0	0	0	9	0	20	
21	81	0	0	4	66	5	4	0	0	0	30	
31	0	540	0	39	0	22	6	5	0	4	40	
41	0	0	2	7	0	0	0	0	0	42	50	
51	0	0	0	0	0	33	0	0	0	0	60	
61	0	4	4	0	0	0	0	0	31	0	70	
71	12	0	0	0	0	0	0	17	0	0	80	
81	0	0	16	0	0	0	2	2	0	0	90	
91	0	0	5	0	0	4	0	0	0	0	100	
101	0	0	6	0	3	0	0	0	0	0	110	
111	0	0	0	0	0	0	5	0	0	0	120	
141	0	0	7	0								

ORIGIN ZONE	18	PURPOSE	2	436 TOTAL ORIG/PROD							
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	13	0	0	0	0	0	0	0	0	10
11	0	0	0	16	0	7	0	14	8	0	20
21	37	0	0	0	29	12	0	0	0	0	30
31	0	177	8	43	6	1	0	15	0	11	40
41	9	0	1	0	0	0	0	0	0	3	50
61	0	10	0	3	0	0	0	0	0	0	70
101	0	0	0	0	5	0	0	0	0	0	110
111	0	0	0	0	0	0	6	0	0	0	120
131	0	0	0	0	0	0	2	0	0	0	140

ORIGIN ZONE	18	PURPOSE		3	29 TOTAL ORIG/PROD							
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
21		1	0	0	0	0	0	0	0	0	0	30
61		0	13	8	0	0	0	0	0	0	0	70
91		0	0	7	0	0	0	0	0	0	0	100

ORIGIN ZONE	18	PURPOSE	4	484	TOTAL ORIG/PROD
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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	24	0	15	0	0	0	0	0	0	10
11	0	0	0	10	0	0	0	0	0	0	20
21	58	0	0	4	25	32	0	0	0	0	30
31	0	161	0	13	6	16	0	7	6	0	40
41	3	4	0	0	3	1	5	0	0	0	50
51	0	0	0	0	1	6	0	0	0	0	60
61	0	0	0	0	0	0	0	0	16	0	70
71	4	0	0	0	0	0	0	0	0	0	80
91	0	0	3	0	0	0	0	0	0	0	100
111	0	0	0	0	0	4	7	17	11	16	120
131	0	0	0	0	0	0	4	0	0	0	140

ORIGIN ZONE	19	PURPOSE 1		8060 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1	0	258	14	34	29	29	55	30	4	0	10	
11	0	0	0	35	16	0	64	11	342	54	20	
21	295	16	7	2	294	139	0	0	0	0	30	
31	24	3845	254	772	110	108	126	70	15	121	40	
41	34	6	16	51	4	11	13	0	6	0	50	
51	6	47	2	0	37	36	13	14	4	0	60	
61	0	52	13	18	0	8	0	4	18	17	70	
71	30	0	6	0	10	0	11	23	9	4	80	
81	10	13	10	14	10	0	7	3	11	6	90	
91	7	8	47	0	0	6	0	7	0	0	100	
101	0	0	0	0	28	0	110	0	0	0	110	
111	0	0	0	2	0	3	16	0	0	0	120	
121	6	0	0	0	0	0	0	0	0	0	130	
131	15	0	13	0	0	4	0	0	2	0	140	
141	0	0	10	0								

ORIGIN ZONE	19	PURPOSE	2	4763 TOTAL ORIG/PROD							
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	4	63	0	15	27	37	9	19	0	0	10
11	0	9	0	32	0	6	76	8	509	32	20
21	369	0	0	9	76	89	9	0	0	0	30
31	0	1941	174	454	67	80	30	41	40	73	40
41	16	0	4	27	0	28	12	0	0	12	50
51	0	8	0	11	12	25	2	8	17	0	60
61	5	34	11	13	0	0	0	0	21	0	70
71	28	0	0	4	2	9	0	0	0	0	80
81	0	13	0	6	0	0	9	0	0	0	90
91	0	3	11	0	5	4	0	0	0	0	100
101	0	0	0	3	13	0	0	0	0	0	110



TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
111	0	0	0	0	0	10	5	0	0	0	120
121	3	0	0	0	0	0	0	0	0	0	130
131	5	0	0	2	0	0	0	0	0	0	140

ORIGIN ZONE 19 PURPOSE 3 410 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
11	0	0	0	0	0	0	3	0	9	0	20
21	3	0	0	0	34	0	0	0	0	0	30
31	0	224	0	49	0	0	0	0	0	0	40
41	56	0	0	0	0	0	0	0	0	0	50
51	0	0	0	0	0	0	0	0	6	0	60
71	0	0	0	0	0	0	0	12	0	0	80
131	8	0	0	0	0	6	0	0	0	0	140

ORIGIN ZONE 19 PURPOSE 4 3040 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	9	214	0	6	18	22	29	9	1	0	10
11	0	0	0	19	0	0	12	0	271	22	20
21	159	0	12	10	106	71	7	0	2	0	30
31	0	765	100	181	80	67	35	73	0	13	40
41	4	3	11	10	0	41	34	0	0	0	50
51	2	6	0	0	4	40	8	4	7	0	60
61	3	45	12	19	7	7	0	8	19	1	70
71	20	0	0	0	0	6	1	13	0	0	80
81	4	16	7	9	0	0	24	0	0	0	90
91	4	0	12	0	7	0	11	0	0	0	100
101	0	0	6	4	81	0	12	0	0	0	110
111	17	0	0	0	0	6	47	16	12	0	120
121	0	0	9	0	0	3	8	0	0	0	130
131	20	0	9	0	0	2	6	0	0	0	140

ORIGIN ZONE 20 PURPOSE 1 11073 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	70	571	43	40	3	12	18	1	0	4	10
11	0	0	0	223	0	0	3	0	33	57	20
21	316	0	0	9	2305	513	17	0	0	0	30
31	49	2689	431	775	114	492	143	148	96	201	40
41	42	5	28	71	9	35	32	0	34	86	50
51	0	0	0	0	59	36	31	19	34	0	60
61	0	130	30	36	14	34	5	17	66	27	70
71	31	39	2	7	22	51	21	21	3	27	80

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
81	25	4	64	23	29	12	23	15	0	6	90
91	0	0	90	4	7	6	0	0	4	0	100
101	0	0	0	2	29	0	0	0	0	0	110
111	11	0	0	0	0	4	24	0	0	0	120
121	12	8	0	0	0	0	25	0	0	0	130
131	96	0	20	0	0	9	16	0	4	0	140
141	0	1	10	0	0	0	0	0	0	0	140

ORIGIN ZONE 20 PURPOSE 2 4362 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	4	203	10	25	0	5	13	0	0	0	10
11	0	0	0	35	0	0	2	0	34	39	20
21	103	0	0	9	847	213	5	0	0	6	30
31	5	1137	124	371	67	153	44	19	10	54	40
41	10	11	17	46	9	25	11	0	16	35	50
51	7	18	0	0	23	27	7	10	6	0	60
61	0	42	7	10	0	4	2	16	55	0	70
71	12	0	0	0	0	10	0	7	3	6	80
81	0	2	0	0	0	0	0	1	27	0	90
91	0	9	8	0	0	8	5	0	0	0	100
101	0	2	0	5	42	0	0	0	0	0	110
111	0	0	0	0	0	7	18	4	4	0	120
121	6	0	0	0	0	0	2	0	0	0	130
131	14	0	0	0	0	0	0	0	0	3	140
141	4	0	2	0	0	0	0	0	0	0	140

ORIGIN ZONE 20 PURPOSE 3 661 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
21	7	0	0	0	97	34	0	0	0	0	30
31	0	146	0	29	0	0	0	0	0	0	40
41	0	0	0	0	0	0	33	0	0	0	50
51	0	0	0	0	0	90	172	0	7	0	60
61	0	10	0	0	0	0	0	0	0	0	70
71	0	0	0	0	0	0	7	0	0	0	80
91	0	9	0	0	0	0	0	0	0	0	100
111	0	0	0	0	0	0	0	2	0	0	120
131	0	0	0	0	0	13	5	0	0	0	140

ORIGIN ZONE 20 PURPOSE 4 3407 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	15	205	0	30	0	2	0	0	0	0	10



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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
11	0	0	0	24	0	6	0	0	20	34	20
21	465	0	0	3	191	240	8	0	0	0	30
31	0	621	77	256	36	36	71	115	5	86	40
41	4	0	7	41	8	15	56	0	0	49	50
51	2	14	5	0	5	46	7	19	28	2	60
61	2	19	8	4	7	1	0	6	40	4	70
71	46	0	0	8	0	3	1	0	0	0	80
81	8	1	15	8	0	0	10	0	0	0	90
91	0	0	38	0	2	29	0	0	0	0	100
101	0	0	0	23	73	0	1	0	0	0	110
111	7	0	0	0	0	41	52	5	3	11	120
121	21	0	0	0	0	0	0	0	0	0	130
131	33	0	0	0	0	0	4	0	0	9	140

ORIGIN ZONE	21	PURPOSE	1	9850 TOTAL ORIG/PROD							
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	14	100	11	18	87	133	232	198	28	0	10
11	0	0	0	116	10	2	126	83	296	319	20
21	3095	28	27	104	785	716	19	0	0	0	30
31	20	1938	213	311	25	91	101	39	44	64	40
41	31	4	24	16	0	0	42	0	25	0	50
51	0	0	0	0	0	0	0	15	6	0	60
61	0	15	6	0	0	0	8	7	46	0	70
71	27	0	6	0	0	17	0	0	0	0	80
81	13	0	25	12	9	0	8	0	0	0	90
91	0	0	16	5	4	0	0	0	0	12	100
101	0	0	0	0	6	0	0	0	0	0	110
111	2	4	0	0	0	0	18	0	0	0	120
121	0	0	0	0	0	0	10	0	0	0	130
131	0	0	9	0	0	0	2	0	0	0	140
141	0	0	9	0	0	0	0	0	0	0	140

ORIGIN ZONE	21	PURPOSE	2	6071 TOTAL ORIG/PROD							
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	22	0	10	76	118	102	60	17	0	10
11	0	17	3	33	52	14	155	38	388	305	20
21	2200	17	53	77	368	321	33	0	3	0	30
31	0	858	111	276	32	21	10	26	0	41	40
41	0	1	6	13	7	8	9	0	0	21	50
51	7	10	11	0	0	11	0	2	4	0	60
61	0	9	3	3	0	0	9	13	8	0	70
71	6	0	0	8	0	2	0	0	0	0	80
81	0	0	3	0	0	0	0	0	0	5	90

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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
91	0	0	0	0	0	5	0	0	0	0	100
101	0	0	0	0	2	0	0	0	0	0	110
111	0	0	0	0	0	4	13	2	0	0	120
121	7	0	0	0	0	0	0	0	0	0	130

ORIGIN ZONE	21	PURPOSE	3	180 TOTAL ORIG/PROD							
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	5	0	10	6	2	0	0	10
11	0	0	0	0	2	0	0	0	4	9	20
21	43	0	4	2	28	0	5	0	0	0	30
31	0	16	0	0	0	28	0	16	0	0	40

ORIGIN ZONE	21	PURPOSE	4	3950 TOTAL ORIG/PROD							
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	201	0	26	23	66	84	18	22	0	10
11	0	16	6	42	16	1	90	58	160	465	20
21	936	18	55	47	107	182	31	0	1	0	30
31	0	418	56	182	15	76	0	10	3	23	40
41	4	0	12	5	4	11	30	0	0	15	50
51	0	0	0	0	4	4	0	0	11	13	60
61	0	43	14	15	13	0	3	40	26	7	70
71	16	6	8	0	0	8	0	0	0	23	80
81	4	3	0	0	1	0	16	8	0	0	90
91	0	0	0	0	0	21	0	0	0	0	100
101	0	0	7	0	13	0	0	0	0	0	110
111	0	0	0	0	0	7	57	0	0	0	120
121	0	0	0	0	0	0	12	0	0	0	130
131	11	0	0	0	0	0	1	0	0	0	140
141	0	0	3	0	0	0	0	0	0	0	140

ORIGIN ZONE	22	PURPOSE	1	2853 TOTAL ORIG/PROD							
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	30	484	30	22	0	0	2	0	0	0	10
11	0	0	0	0	0	0	0	0	16	0	20
21	20	0	0	2	345	59	4	0	0	0	30
31	10	477	164	265	41	129	93	69	27	53	40
41	0	11	36	39	20	8	0	0	17	0	50
51	0	3	0	0	17	23	9	5	9	4	60
61	2	38	8	8	7	2	4	0	13	8	70
71	0	0	0	0	4	10	14	14	0	0	80
81	8	0	9	0	0	0	0	0	0	0	90



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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
91	0	0	25	0	0	11	0	0	4	0	100
101	0	0	0	5	19	0	0	0	0	0	110
111	7	0	0	0	0	6	21	0	0	0	120
131	35	0	0	0	0	0	17	0	0	0	140
141	0	3	0	0	0	0	0	0	0	0	0
ORIGIN ZONE 22	PURPOSE 2 170 TOTAL ORIG/PROD										
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	51	0	5	0	0	0	0	0	0	10
21	17	5	0	0	37	10	5	0	0	0	30
31	0	63	6	37	5	3	11	0	0	17	40
41	7	4	8	17	7	2	0	0	0	0	50
51	0	0	0	0	0	6	0	0	0	0	60
61	0	11	2	6	2	0	0	0	1	0	70
71	0	0	0	0	0	0	0	0	0	4	80
91	0	0	8	0	0	0	0	0	0	0	100
111	0	0	0	0	0	0	3	0	0	0	120
131	0	0	4	0	0	0	0	0	0	0	140
ORIGIN ZONE 22	PURPOSE 3 61 TOTAL ORIG/PROD										
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	25	0	0	0	0	0	0	10
31	0	14	0	0	0	0	0	0	0	0	40
51	0	0	0	0	0	0	10	0	0	0	60
71	0	0	0	0	0	0	12	0	0	0	80
ORIGIN ZONE 22	PURPOSE 4 122 TOTAL ORIG/PROD										
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	37	0	5	0	0	0	0	0	0	10
21	17	0	0	0	31	55	0	0	0	0	30
31	0	72	0	2	4	4	8	0	0	6	40
41	1	0	5	0	1	0	0	0	3	0	50
51	0	0	0	0	0	14	3	0	0	0	60
61	0	0	0	0	0	0	6	0	1	2	70
71	4	0	0	0	0	9	0	0	0	0	80
81	0	0	0	0	0	0	1	0	0	0	90
91	5	0	1	0	0	0	0	0	1	0	100
101	0	0	0	1	0	0	0	0	0	0	110
111	0	0	0	0	0	3	3	0	1	0	120
131	3	0	0	0	0	0	5	4	0	0	140
141	0	0	1	0	0	0	0	0	0	0	0

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ORIGIN ZONE 23	PURPOSE 1 3291 TOTAL ORIG/PROD										
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	309	22	47	0	11	0	5	0	0	10
11	0	0	2	0	0	4	0	0	3	0	20
21	28	0	6	0	495	111	18	0	0	0	30
31	13	754	49	232	33	314	110	82	16	37	40
41	41	14	30	43	6	0	23	0	0	26	50
51	19	0	0	0	15	40	26	0	0	0	60
61	0	10	4	4	0	8	0	3	17	0	70
71	26	5	0	16	0	0	0	11	0	10	80
81	0	4	5	2	6	0	16	0	0	0	90
91	5	2	9	0	0	5	0	0	0	0	100
101	0	0	3	4	17	0	0	0	0	0	110
111	0	0	0	0	0	3	17	0	4	15	120
121	9	0	0	0	0	0	0	2	0	5	130
131	13	0	14	0	0	7	15	0	0	1	140
141	5	2	4	0	0	0	0	0	0	0	0
ORIGIN ZONE 23	PURPOSE 2 949 TOTAL ORIG/PROD										
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	32	8	30	0	2	0	0	0	0	10
11	0	0	0	12	0	0	0	0	6	0	20
21	53	0	9	0	193	31	11	0	0	0	30
31	8	173	50	63	15	41	22	18	17	14	40
41	7	0	17	28	0	13	9	0	7	4	50
51	0	0	0	0	0	6	0	0	10	0	60
61	0	4	2	0	0	0	0	0	9	0	70
71	0	0	0	0	0	5	0	0	0	0	80
81	0	0	0	1	0	0	0	2	0	0	90
91	3	0	2	0	0	2	0	0	0	0	100
101	0	0	0	0	1	0	0	0	0	0	110
ORIGIN ZONE 23	PURPOSE 3 70 TOTAL ORIG/PROD										
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
21	5	0	0	0	0	20	0	0	0	0	30
31	0	16	0	0	0	0	0	0	0	0	40
71	0	0	0	0	0	0	0	21	0	0	80
ORIGIN ZONE 23	PURPOSE 4 1139 TOTAL ORIG/PROD										
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	113	4	13	0	0	0	0	0	0	10



MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
11	0	0	0	0	0	0	0	0	31	0	20
21	56	0	0	0	119	178	0	0	0	0	30
31	0	198	12	69	19	91	0	35	0	4	40
41	19	0	20	32	4	0	6	0	0	3	50
51	0	0	0	0	3	25	0	0	19	0	60
61	0	0	0	0	0	0	0	0	2	7	70
71	1	0	0	0	0	6	0	0	0	0	80
81	0	0	2	0	0	0	0	0	0	0	100
91	0	0	0	0	2	0	0	0	0	0	110
101	0	0	0	0	0	8	21	0	0	3	120
111	2	0	0	0	0	0	4	0	0	0	140
131	0	0	0	0	0	0	0	0	0	0	

ORIGIN ZONE 24 PURPOSE 1 3757 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	31	122	0	0	0	9	0	7	0	0	10
11	0	0	0	91	0	0	2	4	0	9	20
21	104	4	0	50	1565	300	13	0	0	0	30
31	20	429	112	117	25	333	0	26	21	34	40
41	0	0	4	2	0	13	39	0	0	19	50
51	0	19	17	0	5	13	10	0	0	2	60
61	7	11	0	6	0	11	0	20	15	0	70
71	10	0	0	0	0	17	0	0	0	0	80
81	0	0	0	0	14	7	7	0	0	0	90
91	0	0	14	0	0	0	0	0	0	0	100
101	0	0	0	0	3	0	0	0	0	0	110
111	0	0	0	0	0	0	10	0	0	0	120
121	2	0	0	0	0	0	0	0	0	0	130
131	0	0	0	0	0	20	2	0	0	10	140

ORIGIN ZONE 24 PURPOSE 2 1989 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	10	45	0	15	11	11	0	3	0	0	10
11	0	0	0	9	0	0	0	0	11	5	20
21	76	0	0	35	753	105	1	0	0	0	30
31	0	261	101	170	24	181	0	30	4	30	40
41	1	0	5	11	0	2	5	0	0	7	50
51	4	0	0	0	2	12	0	0	0	0	60
61	0	0	3	0	0	0	0	0	0	0	70
71	9	0	0	0	0	3	0	0	0	0	80
81	4	0	0	0	0	0	0	0	0	0	100
91	0	0	0	0	0	0	0	0	0	0	110
101	6	0	0	0	0	0	2	0	0	0	120
121	8	2	0	0	0	0	0	0	0	0	140
141	0	0	6	0	0	0	0	0	0	0	

MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
21	1	0	0	0	21	17	0	0	0	0	30
31	0	28	0	0	0	0	0	0	0	0	40
51	0	6	0	0	0	0	0	0	0	0	70
71	4	0	0	0	0	0	0	0	0	0	80
101	0	0	0	0	0	0	0	48	0	0	110

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	64	0	0	0	8	5	0	0	0	10
11	0	0	0	0	4	0	5	3	10	2	20
21	46	0	0	38	369	148	0	0	0	0	30
31	0	129	30	105	15	123	23	36	0	23	40
41	20	0	0	8	0	9	40	0	0	26	50
51	0	0	0	0	3	12	0	0	3	4	60
61	0	32	8	13	0	18	3	0	25	0	70
71	14	0	0	15	0	0	0	0	0	0	80
81	0	0	6	0	0	17	0	0	0	0	100
91	0	0	0	0	0	0	0	0	0	0	110
101	0	6	0	4	3	0	0	0	0	0	120
111	0	0	0	0	0	4	8	5	7	0	140

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	140	47	40	0	162	348	936	497	96	0	10
11	3	37	0	95	6	28	134	63	304	2325	20
21	802	331	505	1574	2092	59	347	0	0	0	30
31	0	165	37	54	0	85	0	45	10	53	40
41	0	0	60	16	0	0	0	0	10	0	50
51	0	0	0	0	0	42	0	0	0	0	60
61	0	6	0	0	8	0	0	0	10	0	70
71	7	0	0	0	0	14	4	0	0	0	80
81	0	0	0	0	0	0	14	0	0	0	90
91	0	0	7	0	0	3	0	0	0	0	100
101	0	0	0	7	13	0	0	0	0	0	110
111	0	0	0	0	0	2	3	0	0	0	120
121	3	0	0	0	0	0	0	18	0	0	130

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	22	24	0	8	40	114	273	166	21	0	10



MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
11	0	0	0	41	4	18	101	28	78	848	20
21	367	38	188	745	722	13	213	0	8	0	30
31	0	35	12	13	5	13	7	12	0	16	40
41	2	0	12	0	0	0	2	0	0	0	50
51	0	0	0	0	0	0	0	0	2	0	60
61	0	5	3	0	0	0	0	6	2	2	70
71	0	0	0	0	0	2	0	0	2	0	80
81	0	0	0	0	0	0	0	3	0	0	90
91	0	0	0	0	0	0	0	0	0	2	100
111	0	0	0	0	0	0	5	0	0	0	120
131	0	0	0	0	0	2	0	0	0	0	140
ORIGIN ZONE 25	PURPOSE 3	357 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	35	0	0	0	20	76	0	0	0	10
11	0	0	0	0	0	0	0	0	40	95	20
21	28	0	0	12	30	0	0	0	0	0	30
41	0	0	16	0	0	0	0	0	0	0	50
131	0	0	0	0	0	0	5	0	0	0	140
ORIGIN ZONE 25	PURPOSE 4	1717 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	105	0	0	22	83	44	22	6	0	10
11	0	16	2	14	4	0	32	26	106	202	20
21	104	31	122	366	167	8	62	0	0	0	30
31	0	13	7	8	0	22	1	15	0	23	40
41	0	0	0	7	6	0	12	0	0	0	50
61	0	6	1	1	0	0	0	4	4	9	70
81	0	0	1	0	0	0	0	0	0	3	90
91	0	0	5	0	0	0	0	0	0	0	100
101	0	0	0	5	1	0	0	0	0	0	110
111	0	0	0	0	0	2	10	6	0	0	120
121	0	0	0	0	0	0	0	5	0	0	130
131	0	2	0	0	0	0	0	0	0	0	140
ORIGIN ZONE 26	PURPOSE 1	3323 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	71	163	336	175	15	0	10
11	0	5	0	32	45	3	120	5	136	520	20
21	716	59	116	302	59	47	36	14	0	0	30
31	0	45	0	0	2	10	8	12	6	65	40

MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
41	47	8	12	14	12	0	0	0	6	0	50
51	0	0	0	0	0	11	8	0	0	0	60
61	0	21	16	0	0	0	0	0	0	13	70
71	9	0	0	0	0	0	0	0	0	0	80
81	0	0	0	9	0	0	0	0	0	0	90
91	0	0	0	0	0	5	0	0	0	0	100
121	0	0	0	0	0	0	4	0	0	0	130
141	0	0	5	0	0	0	0	0	0	0	140
ORIGIN ZONE 26	PURPOSE 2	1355 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	7	0	0	5	9	117	57	83	16	0	10
11	0	0	0	0	13	0	102	8	90	208	20
21	323	1	37	102	13	29	40	0	0	0	30
31	0	2	0	5	0	0	5	22	4	20	40
41	18	0	1	0	5	0	0	0	0	0	50
51	0	0	0	0	0	2	0	0	0	0	60
121	2	0	0	0	0	0	0	0	0	0	130
131	4	0	0	0	0	0	5	0	0	0	140
ORIGIN ZONE 26	PURPOSE 3	101 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	23	0	0	0	0	10
11	0	0	0	0	0	0	0	0	0	29	20
21	0	0	28	21	0	0	0	0	0	0	30
ORIGIN ZONE 26	PURPOSE 4	1835 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	250	0	3	71	75	68	69	6	0	10
11	0	10	0	6	10	6	48	32	70	239	20
21	182	53	182	153	9	9	57	0	0	0	30
31	5	11	0	0	1	0	0	7	4	6	40
41	16	2	20	19	7	0	0	0	0	7	50
51	5	0	0	0	0	0	2	0	2	0	60
61	0	0	7	1	0	0	0	0	0	0	70
71	0	0	0	0	8	0	0	0	0	0	80
81	0	0	0	0	0	0	0	0	4	0	90
91	0	0	0	0	0	0	0	0	0	0	100
101	0	0	0	0	1	0	0	0	0	0	110
111	0	0	0	0	0	4	27	0	0	10	120
121	0	0	0	0	0	0	0	5	0	0	130



MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
131	3	0	0	0	0	0	23	0	0	0	140
ORIGIN ZONE 27	PURPOSE 1	4033 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	31	161	31	49	24	89	164	66	71	0	10
11	0	7	0	0	0	0	9	2	0	18	20
21	18	6	16	13	153	46	858	20	0	6	30
31	166	269	71	221	57	229	64	45	17	107	40
41	20	20	76	63	12	8	0	0	0	0	50
51	0	15	0	0	0	38	0	2	0	11	60
61	0	39	6	11	4	0	5	0	19	0	70
71	5	0	0	0	0	10	32	11	0	0	80
81	0	0	10	2	0	0	0	4	5	0	90
91	5	0	2	0	0	0	0	0	0	0	100
101	0	0	0	10	8	0	0	0	0	0	110
111	0	0	0	0	0	0	14	0	0	0	120
121	2	0	0	0	0	11	8	0	0	0	130
131	4	0	0	0	0	15	18	0	0	0	140
141	1	0	7	0	0						
ORIGIN ZONE 27	PURPOSE 2	1123 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	35	0	7	7	31	30	27	34	0	10
11	0	0	0	0	0	0	0	0	9	7	20
21	33	4	13	1	211	46	267	0	0	0	30
31	41	77	54	30	0	29	5	4	0	18	40
41	0	3	4	34	11	0	0	0	0	0	50
51	0	0	0	0	0	11	6	0	0	0	60
61	0	8	2	6	0	0	0	0	2	0	70
71	2	0	0	0	0	0	0	0	0	0	80
81	0	1	0	0	0	0	0	0	0	0	90
91	0	0	0	0	0	0	0	0	0	0	100
101	1	0	0	0	0	0	0	0	0	0	110
111	0	0	0	0	0	0	0	0	0	0	120
121	0	0	0	0	0	1	2	0	0	0	130
131	0	0	4	0	0						140
ORIGIN ZONE 27	PURPOSE 3	332 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
21	3	0	0	0	0	0	0	0	0	0	30
31	0	166	0	95	0	0	0	0	0	0	40
71	0	0	0	0	0	0	34	0	0	0	80

MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
81	0	0	8	0	0	0	0	0	0	0	90
91	0	0	0	0	0	12	0	0	0	0	100
111	0	0	0	0	0	0	0	0	6	0	120
131	0	0	0	0	0	0	8	0	0	0	140
ORIGIN ZONE 27	PURPOSE 4	1075 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	18	288	3	20	14	5	8	0	12	0	10
11	0	0	0	4	0	0	0	0	6	9	20
21	30	0	0	0	63	56	38	0	0	0	30
31	0	92	32	22	6	44	0	31	1	47	40
41	6	0	16	21	20	1	10	0	0	32	50
51	0	35	0	0	0	14	0	0	0	0	60
61	5	2	2	2	0	0	0	0	0	0	70
71	0	0	0	15	0	0	0	0	8	0	80
81	0	0	0	3	0	0	0	0	0	0	90
91	0	0	6	0	3	0	0	0	0	0	100
101	0	0	0	0	7	0	0	0	0	0	110
111	0	0	0	0	0	8	0	0	0	6	120
131	3	0	0	0	0	0	0	0	0	0	140
141	0	0	1	0	0						
ORIGIN ZONE 28	PURPOSE 1	123 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	29	0	0	3	2	6	0	2	0	10
21	0	0	0	0	0	10	22	0	0	0	30
31	9	22	0	0	0	0	0	0	0	0	40
41	0	0	0	0	0	0	0	0	0	9	50
61	0	0	0	0	0	0	0	0	3	0	70
81	6	0	0	0	0	0	0	0	0	0	90
131	0	3	0	0	0	0	3	0	0	0	140
ORIGIN ZONE 28	PURPOSE 2	147 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	64	105	0	0	0	10
31	0	0	0	0	0	0	0	0	0	102	40
51	46	0	0	0	0	0	0	0	0	0	60
131	30	0	0	0	0	0	0	0	0	0	140
ORIGIN ZONE 28	PURPOSE 3	60 TOTAL ORIG/PROD									



MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
61	0	31	10	7	0	0	0	0	0	0	70
71	0	0	0	0	0	0	0	9	0	0	80
111	0	0	0	0	0	0	0	3	0	0	120
ORIGIN ZONE 28	PURPOSE 4	17 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
41	7	0	2	0	0	0	0	0	0	0	30
101	0	0	0	0	3	0	0	0	0	0	110
111	0	0	0	0	0	0	0	1	1	0	120
131	2	0	0	0	0	0	1	0	0	0	140
ORIGIN ZONE 29	PURPOSE 1	45 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	20	0	7	2	0	0	0	10
71	0	0	0	0	16	0	0	0	0	0	80
ORIGIN ZONE 29	PURPOSE 2	56 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	13	0	10	0	8	0	0	0	0	10
21	3	0	0	0	13	0	0	0	0	0	30
31	0	0	0	0	0	0	0	0	9	0	40
ORIGIN ZONE 29	PURPOSE 3	0 TOTAL ORIG/PROD									
ORIGIN ZONE 29	PURPOSE 4	29 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	5	0	0	0	2	0	0	0	0	10
11	0	0	0	0	0	0	0	0	2	0	20
31	0	16	0	0	0	0	0	0	0	0	40
71	0	0	0	0	4	0	0	0	0	0	80
ORIGIN ZONE 30	PURPOSE 1	40 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	0	0	7	0	0	10
21	0	0	0	0	0	0	5	0	0	0	30
31	0	0	0	0	0	28	0	0	0	0	40

MATRIX MULTIPLICATION

ORIGIN ZONE 30	PURPOSE 2	24 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	10	0	0	0	0	0	0	0	0	0	10
11	0	0	0	0	0	0	0	0	0	7	20
41	0	0	0	7	0	0	0	0	0	0	50
ORIGIN ZONE 30	PURPOSE 3	0 TOTAL ORIG/PROD									
ORIGIN ZONE 30	PURPOSE 4	5 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
71	0	0	0	4	0	0	0	0	0	0	80
101	0	0	0	0	0	0	0	1	0	0	110
ORIGIN ZONE 31	PURPOSE 1	773 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	4	6	0	27	81	154	41	38	0	10
11	0	0	0	0	0	0	12	0	22	52	20
71	16	13	17	13	0	0	176	9	0	0	30
31	17	0	0	13	11	0	0	0	0	0	40
41	0	0	4	11	0	0	0	0	0	0	50
71	0	0	0	0	23	0	0	0	4	0	80
91	0	0	0	0	0	0	0	0	0	0	100
ORIGIN ZONE 31	PURPOSE 2	222 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	6	11	22	42	24	28	0	10
11	0	0	0	0	0	0	3	0	0	2	20
21	0	0	10	2	0	0	36	0	0	0	30
31	7	9	0	2	0	0	0	0	0	0	40
41	0	4	0	4	4	0	0	0	0	0	50
61	0	0	0	0	6	0	0	0	0	0	70
ORIGIN ZONE 31	PURPOSE 3	0 TOTAL ORIG/PROD									
ORIGIN ZONE 31	PURPOSE 4	37 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	2	0	0	0	0	5	3	2	0	10



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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
11	0	0	0	0	0	0	3	0	0	0	20
21	0	0	0	0	0	4	0	0	0	0	30
41	0	0	0	10	0	0	0	0	0	0	50
61	0	4	0	2	0	0	0	0	0	0	70
71	0	0	0	0	0	0	2	0	0	0	80
ORIGIN ZONE 32	PURPOSE 1	40815 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	36	686	69	151	1642	3929	5097	7379	342	0	10
11	0	89	61	430	134	97	2961	551	3882	2722	20
21	1959	479	760	432	166	41	271	23	0	0	30
31	0	750	104	31	56	191	135	892	182	1357	40
41	300	3	91	59	23	45	73	0	14	81	50
51	5	46	32	0	33	145	31	67	56	27	60
61	0	327	72	93	0	10	33	0	127	16	70
71	80	17	0	0	25	76	0	7	15	7	80
81	5	11	11	55	0	0	14	5	12	0	90
91	14	0	121	0	0	35	0	0	2	0	100
101	0	8	7	27	86	0	21	0	0	0	110
111	6	0	0	0	0	24	34	11	16	0	120
121	4	0	0	12	0	0	6	0	0	0	130
131	39	0	11	0	0	13	47	0	0	11	140
141	0	0	24	0	0	0	0	0	0	0	0
ORIGIN ZONE 32	PURPOSE 2	12592 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	2	86	16	74	441	1035	910	1608	100	0	10
11	0	83	15	25	128	102	1408	177	1932	1133	20
21	851	66	172	256	36	1	75	0	0	0	30
31	9	216	78	29	25	33	49	214	62	409	40
41	135	3	21	13	0	6	21	3	1	15	50
51	0	8	0	0	16	17	2	2	17	0	60
61	2	35	7	9	11	8	0	5	15	0	70
71	27	2	0	0	4	11	0	11	0	2	80
81	6	0	1	5	2	0	0	0	0	1	90
91	9	3	9	0	0	6	0	0	0	2	100
101	0	0	0	4	11	0	3	0	0	0	110
111	2	0	0	0	0	1	10	3	2	5	120
121	0	0	0	0	0	0	0	0	2	0	130
ORIGIN ZONE 32	PURPOSE 3	2071 TOTAL ORIG/PROD									

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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	43	0	8	23	171	148	493	0	0	10
11	0	0	0	53	18	0	164	0	207	146	20
21	25	17	12	27	0	0	149	0	0	0	30
31	0	33	3	0	3	0	0	13	0	34	40
41	0	15	0	16	0	0	0	0	0	0	50
51	0	0	0	12	0	5	0	0	0	0	60
61	0	19	12	6	0	0	0	0	0	0	70
71	16	0	0	0	0	0	8	0	48	0	80
81	0	0	0	0	0	0	0	0	0	0	90
91	0	0	0	0	0	0	0	0	0	0	100
101	0	0	0	0	0	21	0	2	0	0	110
111	0	0	0	0	0	0	0	15	0	0	120
121	0	0	0	0	0	0	0	0	0	0	130
131	0	0	0	0	0	16	62	0	0	0	140
ORIGIN ZONE 32	PURPOSE 4	7401 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	10	567	0	74	161	709	253	503	8	0	10
11	0	51	11	14	11	0	529	161	768	618	20
21	414	71	201	127	12	10	90	0	15	0	30
31	0	128	30	0	26	6	17	300	9	356	40
41	60	0	8	68	14	62	40	28	8	15	50
51	11	12	0	0	22	72	10	2	19	5	60
61	0	34	12	9	8	1	17	11	61	16	70
71	68	8	0	0	0	14	6	11	3	0	80
81	10	0	12	30	4	0	0	0	0	6	90
91	4	3	41	0	0	11	7	0	12	8	100
101	0	3	5	14	47	2	0	0	0	0	110
111	1	0	0	0	3	23	60	32	20	4	120
121	0	0	0	0	0	0	3	0	0	1	130
131	24	0	0	4	0	4	7	0	0	0	140
141	0	5	9	1	0	0	0	0	0	0	0
ORIGIN ZONE 33	PURPOSE 1	20182 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	38	216	15	60	859	3195	2899	6485	83	0	10
11	0	80	38	404	0	16	1460	0	271	432	20
21	214	163	47	113	41	0	70	0	0	0	30
31	0	104	648	26	6	20	14	343	0	563	40
41	112	5	5	5	7	19	3	0	14	114	50
51	0	25	19	17	19	117	18	25	19	16	60
61	0	177	47	52	5	0	0	9	57	0	70
71	6	0	11	6	0	16	0	0	0	0	80
81	22	0	11	13	0	0	14	0	0	0	90
91	0	0	70	0	2	17	0	0	0	0	100



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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
101	0	0	18	10	38	0	0	0	0	0	118
111	20	0	0	0	0	5	22	4	3	0	128
121	0	0	0	0	0	0	0	0	0	0	130
131	29	0	7	3	0	0	0	0	0	0	140
ORIGIN ZONE 33	PURPOSE 2 5127 TOTAL ORIG/PROD										
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	17	0	36	174	614	323	1595	17	0	18
11	0	39	12	99	17	23	511	8	169	125	29
21	108	7	49	104	13	0	55	0	0	0	30
31	0	71	352	17	12	4	14	52	28	225	40
41	88	0	4	0	18	4	37	0	0	7	58
51	0	1	0	0	3	8	0	0	0	0	60
61	1	27	0	11	0	2	0	0	0	0	70
71	3	0	0	0	0	0	0	3	0	0	88
81	0	1	0	2	2	0	3	0	0	0	90
91	2	0	11	0	0	0	0	0	2	0	100
101	0	0	0	0	2	0	8	0	0	0	118
111	0	0	0	0	0	0	4	0	0	0	128
131	0	0	0	0	0	0	2	0	0	0	140

ORIGIN ZONE 33	PURPOSE 3 1384 TOTAL ORIG/PROD										
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	20	0	5	9	161	100	1025	0	0	10
11	0	0	0	0	0	0	38	0	0	0	20
21	0	2	10	0	0	0	0	0	0	0	40
31	0	0	0	0	0	0	0	0	0	0	70
41	0	1	0	0	0	0	0	0	0	0	100
51	0	0	0	0	0	3	0	0	0	0	120
61	0	0	0	0	0	4	0	0	0	0	140

ORIGIN ZONE 33	PURPOSE 4 2524 TOTAL ORIG/PROD										
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	179	0	38	45	358	93	342	0	0	10
11	0	16	7	75	11	0	111	0	98	75	20
21	61	0	11	34	7	0	38	0	0	0	10
31	0	31	149	7	7	0	11	160	12	118	40
41	6	0	18	6	0	54	20	0	0	22	90
51	0	4	0	0	4	22	0	0	4	0	60
61	0	14	4	3	8	0	0	11	23	7	70
71	31	0	0	0	6	2	0	0	0	4	88

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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
61	4	0	7	0	1	0	0	0	2	0	90
91	2	2	7	0	0	13	3	0	7	0	100
101	0	2	0	0	19	0	0	0	0	0	110
111	6	0	0	0	8	20	21	13	8	0	120
121	3	0	0	0	1	0	0	0	0	0	130
131	7	0	2	4	0	0	0	0	0	0	140

ORIGIN ZONE 34	PURPOSE 1 26116 TOTAL ORIG/PROD										
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	20	424	40	97	677	3658	2412	5209	217	12	10
11	0	125	8	221	27	23	2205	36	787	784	20
21	319	287	231	128	51	0	226	3	0	0	30
31	15	20	26	36	90	78	368	2870	585	3494	40
41	897	9	17	43	11	114	180	13	23	202	50
51	10	0	36	0	54	143	28	2	47	20	60
61	4	326	77	95	0	19	14	20	96	5	70
71	64	32	5	3	24	34	20	41	15	7	80
81	15	25	7	54	4	0	14	7	0	0	90
91	0	11	67	0	7	18	0	2	15	0	100
101	0	11	23	15	93	0	0	0	0	0	110
111	3	0	0	0	0	16	12	2	4	0	120
121	6	0	0	0	0	0	9	0	0	0	130
131	53	0	4	0	0	5	26	0	0	0	140

ORIGIN ZONE 34	PURPOSE 2 7561 TOTAL ORIG/PROD										
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	33	0	9	122	594	544	1267	104	0	10
11	0	47	2	0	10	10	482	47	451	367	20
21	276	26	62	168	12	7	26	0	0	0	30
31	3	29	17	11	41	37	192	939	384	581	40
41	244	0	3	7	20	34	43	0	0	4	50
51	0	1	0	0	10	23	16	4	3	9	60
61	0	34	6	12	2	0	0	12	13	6	70
71	21	0	3	0	0	2	3	0	7	2	80
81	4	0	1	3	0	0	6	4	0	0	90
91	0	0	6	0	0	4	0	0	0	0	100
101	1	0	3	0	0	0	0	0	0	0	110
111	2	0	0	0	0	4	7	0	0	0	120
121	4	0	0	0	0	0	0	0	0	0	130
131	0	0	0	0	0	0	2	0	0	0	140



ORIGIN ZONE	34	PURPOSE	3	985 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE		
1	0	53	0	9	0	63	12	90	0	0	10		
11	0	0	0	357	11	0	62	0	45	28	20		
21	0	0	0	0	0	0	101	0	0	0	30		
31	0	0	0	0	0	0	0	11	0	19	40		
51	0	0	0	0	0	0	0	0	8	0	60		
61	0	6	0	0	0	0	0	0	0	0	70		
71	0	0	0	0	0	16	0	0	0	0	80		
81	14	0	0	0	0	0	0	0	0	0	90		
91	0	1	0	0	0	3	0	0	0	0	100		
121	14	0	0	0	0	38	4	0	0	0	140		

ORIGIN ZONE	34	PURPOSE	4	5634 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE		
1	6	424	0	111	113	426	35	404	27	0	10		
11	0	20	4	8	5	14	296	14	178	235	20		
21	180	6	66	104	8	0	22	0	0	0	30		
31	0	0	7	38	45	9	18	701	32	685	40		
41	205	0	10	24	10	62	135	0	0	7	50		
51	17	10	9	3	17	88	22	16	50	9	60		
61	0	69	20	26	10	12	21	8	65	13	70		
71	33	0	0	7	7	22	14	2	0	4	80		
81	4	0	12	6	2	0	4	0	0	5	90		
91	2	0	21	0	0	18	2	0	7	0	100		
101	0	3	1	29	19	0	6	0	0	0	110		
111	4	0	0	0	0	64	44	34	26	0	120		
121	10	0	0	2	0	0	9	0	0	0	130		
131	11	0	0	0	0	0	6	0	0	0	140		

ORIGIN ZONE	35	PURPOSE	1	6864 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1		0	11	0	0	136	595	360	773	29	0	10	
11		0	8	7	187	0	0	274	0	109	114	20	
21		30	19	33	25	0	6	54	0	0	0	30	
31		8	61	2	87	123	12	58	1414	91	1268	40	
41		107	0	7	0	0	5	56	0	0	86	50	
51		0	9	14	0	11	70	6	0	27	13	60	
61		0	78	14	22	8	0	0	0	65	12	70	
71		5	13	0	0	0	0	0	0	0	0	80	
81		7	0	3	29	0	0	6	0	0	0	90	
91		8	0	15	0	0	15	0	0	2	0	100	
101		0	0	0	6	9	0	0	0	0	0	110	

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
111	0	0	0	0	0	0	6	0	2	0	120
121	2	0	0	0	0	0	0	0	0	0	130
131	4	0	0	0	0	0	4	0	4	0	140

ORIGIN ZONE	35	PURPOSE		2		2408 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE				
1	0	5	0	16	47	110	88	379	0	0	10				
11	0	21	3	11	0	0	236	6	67	70	20				
21	30	5	14	24	7	0	0	0	0	0	30				
31	0	24	14	40	147	5	14	448	54	349	40				
41	23	0	0	10	6	3	18	0	0	9	50				
51	1	0	0	0	8	6	0	12	3	3	60				
61	0	11	5	5	0	0	0	2	2	0	70				
71	2	0	0	0	0	0	0	0	0	2	80				
81	2	4	0	4	0	0	4	0	0	0	90				
91	0	0	6	0	0	0	0	0	0	0	100				
101	0	0	0	0	2	0	0	0	0	0	110				
111	0	0	0	0	0	7	0	0	0	0	120				
121	7	0	0	0	0	0	7	0	0	0	140				

ORIGIN ZONE	35	PURPOSE	3	412 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE		
1	0	21	0	0	14	32	25	172	90	0	10		
31	0	2	0	0	4	0	0	32	0	4	40		
41	0	0	0	0	0	0	0	0	0	10	50		
131	0	0	0	0	0	0	6	0	0	0	140		

ORIGIN ZONE	35	PURPOSE	4	2822 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE		
1	5	273	4	20	66	208	45	233	14	0	10		
11	0	15	0	6	14	0	195	7	78	33	20		
21	17	2	16	13	0	1	6	0	0	0	30		
31	0	27	8	44	84	6	7	425	31	294	40		
41	77	0	5	4	9	35	41	12	0	41	50		
51	1	15	0	0	17	26	7	3	33	11	60		
61	0	46	17	15	0	5	0	14	18	9	70		
71	22	0	0	0	0	18	0	0	0	10	80		
81	4	0	0	4	0	0	2	0	0	0	90		
91	0	0	16	0	0	6	0	5	0	1	100		
101	0	5	3	3	4	0	0	0	0	0	110		
111	0	0	0	0	0	12	9	12	8	8	120		



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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
121	0	0	2	0	0	0	3	0	0	2	130
131	0	0	1	0	0	0	2	0	0	0	140
ORIGIN ZONE 36	PURPOSE 1	4503 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	18	3	0	16	52	263	282	214	43	13	10
11	0	0	0	84	0	0	133	21	105	502	20
21	92	127	112	327	84	10	231	0	0	19	30
31	0	189	26	75	17	737	54	39	24	98	40
41	49	0	23	6	5	0	6	0	9	0	50
51	0	0	0	0	3	6	0	0	6	0	60
61	0	35	5	6	0	0	0	0	17	0	70
71	0	0	0	0	6	9	7	0	0	0	80
101	0	0	0	0	15	0	0	0	0	0	110
111	0	0	0	0	0	1	0	0	0	0	120
121	0	0	0	0	0	0	0	32	0	0	130
131	0	0	0	0	0	0	6	0	4	0	140
141	0	0	15	2	0	0	0	0	0	0	0
ORIGIN ZONE 36	PURPOSE 2	1477 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	7	0	0	44	22	72	84	13	15	10
11	0	0	0	3	0	0	77	6	76	151	20
21	23	5	43	173	12	0	31	0	0	0	30
31	0	32	6	36	6	289	17	51	0	50	40
41	24	0	5	22	0	2	13	0	3	1	50
51	0	0	0	0	0	2	0	0	0	0	60
61	0	2	3	0	0	6	2	0	0	0	70
71	4	0	0	0	0	0	4	0	0	0	80
81	0	0	0	0	3	0	0	0	0	0	90
91	0	0	4	0	0	0	0	0	0	0	100
111	0	0	0	0	0	0	2	0	0	0	120
121	0	0	0	0	0	0	0	0	0	3	130
ORIGIN ZONE 36	PURPOSE 3	256 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	15	0	0	14	0	41	0	0	0	10
11	0	0	0	0	7	0	138	0	0	0	20
21	28	0	0	0	0	0	0	0	0	0	30
41	0	0	0	0	4	0	0	0	0	0	50
71	0	0	0	0	0	0	9	0	0	0	80

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ORIGIN ZONE 36	PURPOSE 4	1144 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	5	17	0	9	0	62	56	38	26	0	10
11	0	0	0	4	0	0	137	16	68	34	20
21	82	7	90	125	21	0	40	0	0	0	30
31	0	6	2	6	6	72	3	23	2	42	40
41	32	0	0	7	13	0	9	0	0	5	50
51	5	2	0	0	4	3	0	0	4	0	60
61	0	0	2	0	0	0	0	4	3	0	70
71	8	0	1	0	3	0	0	0	0	0	80
81	0	0	5	0	0	0	0	0	0	0	90
91	0	0	2	0	1	0	0	0	0	0	100
111	0	0	0	0	0	3	0	2	0	0	120
121	4	0	0	0	0	0	0	0	3	0	140
ORIGIN ZONE 37	PURPOSE 1	5401 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	24	8	17	82	111	209	201	36	0	10
11	0	0	0	0	0	0	14	2	132	137	20
21	101	94	110	2	0	6	75	0	0	0	30
31	0	135	8	368	61	54	2054	265	522	270	40
41	143	0	6	8	0	27	3	0	0	21	50
51	0	8	9	0	0	10	0	0	0	2	60
61	0	11	5	4	0	5	0	0	9	0	70
91	0	0	10	0	0	0	0	0	0	0	100
101	0	8	0	0	9	0	0	0	0	0	110
111	0	0	0	0	0	0	3	0	0	0	120
121	0	0	0	0	0	0	0	0	0	2	130
ORIGIN ZONE 37	PURPOSE 2	1892 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	5	25	13	34	50	2	0	10
11	0	0	0	0	0	0	0	0	34	44	20
21	3	0	25	8	6	4	2	0	0	0	30
31	0	50	14	194	12	37	923	90	224	36	40
41	27	0	0	0	0	3	0	3	0	1	50
51	0	4	0	0	2	0	0	0	0	0	60
71	0	0	0	0	0	2	0	0	0	0	80
81	0	0	3	0	0	0	0	0	0	0	90
91	0	0	3	0	0	1	0	0	0	0	100
ORIGIN ZONE 37	PURPOSE 3	191 TOTAL ORIG/PROD									



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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	23	0	0	0	17	41	28	0	0	10
31	0	0	0	0	0	0	2	0	0	0	40
51	0	0	0	0	0	0	16	0	0	0	60
61	0	31	16	0	0	0	0	0	0	0	70
81	0	0	0	0	0	0	3	0	0	0	90
91	0	0	0	0	0	0	0	0	0	0	100
111	4	0	0	0	0	0	0	0	0	0	120
ORIGIN ZONE 37	PURPOSE 4	643 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	23	0	0	0	30	4	11	11	0	10
11	0	0	0	0	0	0	0	0	36	77	20
21	0	3	0	25	1	0	0	0	0	0	30
31	0	19	9	18	9	4	198	19	23	40	40
41	19	0	0	6	5	6	10	4	0	4	50
51	0	0	0	0	2	0	0	0	2	0	60
61	0	2	0	1	0	0	0	0	0	0	70
71	5	0	0	0	0	1	0	0	0	0	80
81	0	0	0	0	0	0	3	0	0	0	90
101	0	0	0	0	4	0	0	0	0	0	110
111	0	0	0	0	0	2	2	0	0	0	120
121	0	0	0	2	0	1	0	0	0	0	130
131	0	0	0	2	0	0	0	0	0	0	140
ORIGIN ZONE 38	PURPOSE 1	9077 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	29	4	0	130	241	304	388	17	12	10
11	0	16	0	508	9	2	134	7	71	146	20
21	44	61	81	21	38	17	45	0	0	0	30
31	0	897	329	2845	1417	31	263	6	16	26	40
41	0	0	0	0	0	118	52	21	49	110	50
51	39	33	39	0	6	33	33	14	5	0	60
61	0	50	14	15	11	0	0	0	10	0	70
71	28	0	0	22	72	6	22	15	12	0	80
81	0	8	0	9	0	0	16	0	0	0	90
91	0	3	0	0	0	0	0	0	0	0	100
101	0	0	23	0	3	0	0	0	0	0	110
111	9	0	0	0	0	0	3	0	0	0	120
121	2	0	3	0	0	0	0	0	0	0	130
131	0	0	0	0	0	0	13	0	0	0	140
ORIGIN ZONE 38	PURPOSE 2	2275 TOTAL ORIG/PROD									

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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	1	13	0	5	49	68	81	82	9	0	10
11	0	8	0	11	3	0	81	15	41	22	20
21	26	5	19	28	14	21	5	0	0	0	30
31	0	216	64	561	450	50	86	3	0	15	40
41	6	0	0	0	0	28	14	4	7	24	50
51	0	0	17	0	6	3	17	0	3	0	60
61	0	11	5	4	9	2	8	2	7	0	70
71	0	0	0	0	0	0	0	0	0	0	80
81	9	0	0	0	0	0	0	0	3	0	90
91	0	3	0	0	0	0	0	0	0	0	100
101	0	0	0	0	3	0	0	0	0	0	110
111	0	0	0	0	0	0	3	1	0	0	120
121	2	0	0	0	0	0	0	0	0	0	130
131	0	0	0	0	0	0	2	0	0	0	140
ORIGIN ZONE 38	PURPOSE 3	262 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	12	0	0	0	21	3	94	0	0	10
11	0	0	0	0	0	0	15	0	0	0	20
21	16	0	0	0	0	0	0	0	0	0	30
31	0	14	0	12	30	0	0	0	0	0	40
61	0	7	0	8	0	0	0	0	0	0	70
131	30	0	0	0	0	0	0	0	0	0	140
ORIGIN ZONE 38	PURPOSE 4	3356 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	6	169	2	64	36	130	127	92	0	0	10
11	0	14	0	39	0	0	85	11	67	115	20
21	12	0	34	37	18	5	30	0	0	0	30
31	0	290	159	699	429	18	19	0	25	29	40
41	3	0	0	8	4	40	30	0	18	99	50
51	19	49	9	0	22	33	8	4	22	0	60
61	0	31	11	8	0	11	0	4	22	5	70
71	14	0	0	0	4	5	5	0	0	0	80
81	0	0	6	2	0	0	4	0	0	0	90
91	0	0	18	0	0	6	0	0	0	0	100
101	0	0	0	1	0	0	0	0	0	0	110
111	3	2	0	0	0	7	13	8	4	6	120
121	10	0	0	0	0	0	0	0	0	0	130
131	3	0	6	0	0	0	8	0	0	0	140
ORIGIN ZONE 39	PURPOSE 1	2393 TOTAL ORIG/PROD									



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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	37	0	0	50	54	107	89	13	0	10
11	0	8	0	178	0	0	15	0	10	99	20
21	39	29	23	28	10	9	14	0	0	0	30
31	0	178	0	579	83	39	520	16	0	14	40
41	0	0	0	0	0	12	5	13	0	8	50
51	0	47	0	0	0	0	0	0	0	14	60
61	0	12	7	0	0	0	0	0	0	0	70
101	0	0	0	0	4	0	0	0	0	0	110
111	0	0	0	0	0	0	0	8	0	0	120
121	4	0	0	0	0	0	0	0	0	0	130
131	12	0	6	0	0	0	0	0	0	0	140
ORIGIN ZONE 39	PURPOSE 2	1014 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	47	11	29	0	0	10
11	0	0	0	0	0	0	35	0	38	12	20
21	0	0	15	4	6	6	0	0	17	0	30
31	0	56	31	382	56	0	226	0	0	0	40
41	4	0	0	0	0	4	0	5	9	4	50
51	0	0	4	0	3	0	0	6	0	0	60
71	0	0	0	0	0	8	0	0	0	0	99
ORIGIN ZONE 39	PURPOSE 3	110 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	15	0	0	0	29	18	31	0	0	10
41	0	0	8	0	0	0	4	0	0	0	50
61	0	0	0	0	0	0	0	0	0	5	70
ORIGIN ZONE 39	PURPOSE 4	236 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	2	0	3	7	7	4	6	5	0	10
11	0	0	0	3	0	0	6	3	0	3	20
21	4	0	0	0	0	4	6	0	0	0	30
31	0	7	11	30	33	3	23	27	2	0	40
41	0	0	0	1	0	3	5	3	0	2	50
51	4	0	0	0	0	0	2	0	0	0	60
61	0	1	0	1	0	0	0	0	0	0	70
71	11	0	0	0	0	0	0	0	0	0	80
111	0	0	0	0	0	0	2	0	0	0	120

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ORIGIN ZONE 40	PURPOSE 1	19443 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	14	177	0	10	260	921	695	1892	57	0	10
11	0	4	0	212	22	19	357	4	125	198	20
21	65	55	32	34	54	65	107	0	0	0	30
31	0	1243	556	3449	1262	94	265	25	14	935	40
41	35	0	27	16	10	1092	737	115	111	1127	50
51	214	245	114	0	79	246	59	30	48	53	60
61	0	421	92	118	10	10	9	18	184	5	70
71	94	0	11	0	21	51	25	19	18	5	80
81	14	12	37	19	8	0	7	0	0	0	90
91	2	0	46	2	0	16	0	0	0	4	100
101	0	4	20	16	60	0	0	0	0	0	110
111	13	0	3	5	0	15	43	1	6	0	120
121	4	0	0	0	0	2	0	0	0	0	130
131	17	0	6	0	11	0	14	0	0	0	140
141	0	0	24	6	0	0	0	0	0	0	140
ORIGIN ZONE 40	PURPOSE 2	5270 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	3	17	1	11	99	211	185	463	25	0	10
11	0	3	0	20	0	0	197	9	73	53	20
21	18	19	14	27	18	16	18	83	0	0	30
31	0	406	228	579	352	55	33	17	2	512	40
41	7	0	7	8	0	315	205	24	36	222	50
51	60	35	19	53	33	69	20	6	17	25	60
61	0	73	18	25	9	2	2	8	41	0	70
71	25	2	0	0	10	9	13	0	0	0	80
81	0	0	4	2	0	0	4	0	0	2	90
91	0	3	23	0	0	2	0	0	2	0	100
101	0	0	0	2	6	0	0	0	0	0	110
111	0	0	0	0	0	2	16	0	0	0	120
121	0	0	0	0	0	0	0	0	0	6	130
131	5	0	0	0	0	0	0	0	0	1	140
141	1	0	0	0	0	0	2	0	0	0	140
ORIGIN ZONE 40	PURPOSE 3	592 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	39	0	7	10	59	58	79	0	0	10
11	0	0	0	0	0	0	56	0	0	0	20
31	0	32	0	24	6	0	0	0	0	0	40
41	0	0	0	0	0	22	0	0	0	30	50
51	0	0	0	0	0	32	0	0	0	0	60



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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
61	0	26	0	19	0	0	0	0	0	0	70
71	0	0	0	0	6	29	12	0	0	0	80
91	0	0	0	0	0	0	0	0	0	7	100
121	5	0	0	0	0	0	0	0	0	0	130
131	0	0	0	0	0	22	12	0	0	0	140

ORIGIN ZONE	40	PURPOSE	4	5176 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1	5	293	0	50	49	153	60	201	4	2	10	
11	0	6	0	8	10	0	136	0	36	81	20	
21	27	8	4	24	22	8	45	0	0	0	30	
31	0	165	124	683	290	40	40	27	0	348	40	
41	23	0	13	16	12	301	157	7	22	313	50	
51	96	22	0	6	36	68	14	5	100	7	60	
61	4	91	24	31	0	3	8	8	82	9	70	
71	75	4	7	0	0	28	14	0	0	0	80	
81	12	15	7	7	0	3	0	3	5	8	90	
91	3	0	62	0	8	18	19	0	4	0	100	
101	0	5	4	24	43	0	0	0	0	0	110	
111	8	0	0	2	0	22	88	22	18	9	120	
121	15	0	0	4	0	0	2	0	0	0	130	
131	4	0	0	0	0	0	12	0	0	3	140	

ORIGIN ZONE	41	PURPOSE	1	3380 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1	0	49	0	0	0	166	132	201	18	0	10	
11	0	0	0	186	0	0	64	0	32	45	20	
21	24	0	44	0	0	50	18	0	0	0	30	
31	0	299	117	890	116	53	140	0	0	35	40	
41	17	0	4	3	0	50	184	52	0	173	50	
51	12	0	7	0	0	19	8	8	5	27	60	
61	0	39	9	14	0	3	0	0	9	0	70	
71	14	0	0	0	0	0	2	0	0	0	80	
81	0	0	0	0	0	0	6	0	0	0	90	
91	0	0	5	0	0	7	0	0	0	0	100	
101	0	0	0	0	13	0	0	0	0	0	110	
111	0	0	0	0	0	0	1	3	0	0	120	
121	2	0	0	0	0	0	0	0	8	0	130	
131	0	0	0	0	0	0	0	0	0	8	140	
141	0	0	5	0								

ORIGIN ZONE 41 PURPOSE 2 1013 TOTAL ORIG/PROD

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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	3	0	0	32	24	37	59	0	0	10
11	0	8	0	2	0	0	15	8	15	13	20
21	0	6	8	1	5	15	0	0	0	0	30
31	0	132	96	237	21	24	27	4	4	7	40
41	6	0	0	10	0	21	78	25	0	15	50
51	0	10	0	0	2	5	2	4	3	0	60
61	0	7	4	0	0	0	0	5	5	0	70
71	0	0	0	0	0	0	2	0	0	0	80
111	0	0	0	0	0	0	0	1	0	0	120
131	0	0	4	0	0	0	1	0	0	0	140

ORIGIN ZONE	41	PURPOSE	3	212 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE		
1	0	0	0	0	35	0	40	0	0	0	10		
11	0	0	0	0	0	0	0	0	57	0	20		
51	0	0	0	0	0	16	0	0	0	0	60		
61	0	32	9	6	0	0	0	0	0	0	70		
71	0	0	0	0	0	0	6	0	0	11	80		

ORIGIN ZONE	41	PURPOSE	4	1230 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1	0	69	0	8	26	70	20	44	7	0	10	
11	0	3	0	53	0	0	24	3	4	9	20	
21	4	2	16	22	0	14	3	7	0	0	30	
31	0	58	6	210	72	31	20	3	0	21	40	
41	0	0	4	6	0	4	49	27	4	84	50	
51	0	0	8	0	9	33	0	4	34	6	60	
61	0	28	8	10	0	10	0	0	0	12	70	
71	0	0	1	0	9	0	9	0	0	0	80	
81	0	1	7	0	0	0	0	0	0	0	90	
91	0	0	3	0	0	10	0	0	0	0	100	
101	0	0	2	2	0	0	0	0	0	0	110	
111	0	0	0	0	0	0	5	1	0	0	120	
121	0	0	0	3	0	0	0	3	0	0	130	
131	0	0	0	0	0	0	5	0	0	0	140	

ORIGIN ZONE	42	PURPOSE	1	1814 TOTAL ORIG/PROD								
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1		7	29	0	0	6	40	65	28	8	0	10
11		0	5	0	0	0	0	9	0	2	8	20
21		4	12	16	0	0	5	18	0	0	0	30



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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
31	0	3	7	5	0	0	0	0	0	0	40
41	0	230	115	225	84	0	9	0	0	0	50
51	0	0	0	0	3	0	0	0	0	0	60
61	0	4	0	0	0	0	0	0	0	0	70
71	0	0	0	0	0	0	5	0	0	0	80
131	0	0	0	0	0	0	2	0	0	0	140
ORIGIN ZONE 42	PURPOSE 2	654 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	3	17	0	0	9	21	5	11	4	0	10
11	0	0	0	0	7	0	3	0	0	10	20
21	1	2	0	0	0	0	4	0	0	0	30
31	4	3	0	0	0	0	0	0	0	0	40
41	0	203	65	202	61	0	0	0	0	0	50
61	0	0	0	0	0	0	0	0	5	0	70
111	0	0	0	0	0	0	4	0	0	0	120
131	0	0	0	0	0	0	5	0	0	2	140
141	0	0	0	1							
ORIGIN ZONE 42	PURPOSE 3	22 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	0	4	0	0	0	10
31	0	16	0	0	0	0	0	0	0	0	40
41	0	0	1	1	0	0	0	0	0	0	50
ORIGIN ZONE 42	PURPOSE 4	198 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	3	6	0	0	0	9	3	2	3	0	10
11	0	0	0	0	0	0	0	5	4	0	20
21	0	0	0	0	0	2	0	0	0	0	30
41	0	17	21	74	33	0	0	2	0	0	50
71	3	0	0	0	0	0	0	0	0	0	80
111	0	0	0	0	0	0	3	0	0	0	120
131	3	0	0	0	0	0	0	0	0	0	140
141	5	0	0	0							
ORIGIN ZONE 43	PURPOSE 1	6646 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	21	110	11	24	56	191	287	102	69	0	10

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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
11	0	10	4	79	0	0	25	2	16	29	20
21	24	32	33	2	54	10	83	0	0	0	30
31	4	92	2	19	9	19	4	0	0	26	40
41	4	116	405	4032	411	0	5	0	0	0	50
51	0	0	0	0	7	3	0	10	6	0	60
61	0	25	5	11	0	0	0	0	8	0	70
71	13	0	0	0	0	10	0	5	11	0	80
81	0	0	0	0	0	0	7	0	5	0	90
101	0	0	0	5	17	0	0	0	0	0	110
111	0	0	0	0	0	0	4	4	0	0	120
131	7	0	0	0	0	11	16	0	0	17	140
141	0	0	17	0							
ORIGIN ZONE 43	PURPOSE 2	2168 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	7	10	4	8	14	52	50	31	12	0	10
11	0	1	0	0	0	4	38	2	4	18	20
21	5	9	17	5	12	2	3	0	0	0	30
31	0	21	5	2	0	2	0	0	0	9	40
41	0	63	87	1579	227	0	0	0	4	0	50
51	0	0	0	0	1	3	7	1	2	0	60
61	0	1	0	0	0	4	0	0	1	0	70
71	5	0	0	1	0	0	0	0	0	0	80
91	0	0	3	0	0	0	0	0	4	0	100
111	0	0	0	0	0	0	4	0	0	0	120
121	0	2	0	0	0	0	5	0	0	0	130
131	0	0	0	0	0	0	11	0	0	0	140
141	0	0	6	0							
ORIGIN ZONE 43	PURPOSE 3	236 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	0	0	3	8	0	10
21	0	0	0	0	18	0	0	0	0	0	30
31	0	0	0	0	0	0	0	0	9	0	40
41	0	1	5	4	13	0	0	0	0	67	50
51	17	0	0	0	21	0	0	0	0	0	60
61	0	11	9	0	0	10	0	0	6	0	70
81	0	0	0	0	0	0	0	0	0	0	90
91	0	0	0	0	0	0	0	6	0	0	100
111	0	0	0	0	0	1	1	0	0	0	120
131	0	0	0	0	0	0	16	0	0	0	140



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ORIGIN ZONE	43	PURPOSE	4	1243 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1	9	35	1	12	19	33	21	11	4	0	10	
11	0	1	0	3	3	0	19	0	10	7	20	
21	13	2	26	0	0	19	18	4	0	0	30	
31	0	9	14	11	6	0	0	0	0	9	40	
41	7	20	41	599	93	0	8	0	0	0	50	
51	0	0	0	0	0	14	0	3	0	0	60	
61	0	9	7	3	0	8	0	0	12	14	70	
81	0	3	0	0	0	0	0	0	0	0	90	
101	0	0	0	0	4	0	0	0	0	0	110	
111	0	0	0	0	0	1	15	1	0	0	120	
131	7	0	0	0	0	0	55	0	0	0	140	

ORIGIN ZONE	44	PURPOSE	1	6378 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1	46	121	13	28	73	355	382	170	50	0	10	
11	0	3	0	43	0	4	54	9	50	74	20	
21	14	40	40	4	20	20	62	0	0	0	30	
31	11	59	5	47	0	3	14	0	0	14	40	
41	3	223	4037	50	28	0	6	0	0	11	50	
51	0	0	0	0	30	12	0	0	0	0	60	
61	0	21	2	5	6	5	0	11	12	0	70	
71	0	0	0	0	0	6	0	0	0	0	80	
81	0	0	5	0	0	0	0	0	0	0	90	
91	0	0	10	0	0	0	0	0	0	0	100	
101	0	0	6	0	16	0	0	0	0	0	110	
111	0	0	0	0	0	5	8	0	7	0	120	
121	0	4	0	0	0	0	9	0	0	0	130	
131	0	0	0	0	0	0	12	0	0	0	140	

ORIGIN ZONE	44	PURPOSE	2	2961 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1	15	40	4	22	45	214	147	56	29	0	10	
11	0	3	0	19	0	14	68	0	29	44	20	
21	15	17	26	16	0	0	32	0	0	10	30	
31	4	18	0	3	8	28	0	0	0	8	40	
41	7	199	1580	40	57	0	7	0	0	6	50	
51	0	0	0	0	15	6	0	0	0	8	60	
61	0	4	0	4	0	0	0	0	9	7	70	
101	0	0	0	0	3	0	0	0	0	0	110	
111	0	0	0	0	0	0	14	0	0	0	120	
121	0	0	0	0	0	0	33	0	12	0	130	
131	0	0	0	0	0	0	0	0	0	0	140	

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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
141	0	0	6	0								
ORIGIN ZONE	44	PURPOSE	3	76 TOTAL ORIG.PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1	0	0	0	0	0	9	4	8	0	0	10	
11	0	22	3	0	0	0	0	0	0	0	20	
21	0	0	5	0	0	0	0	0	0	0	30	
31	0	0	9	0	0	0	0	0	0	0	40	
41	0	0	0	0	19	0	0	0	0	0	50	
51	0	0	0	0	0	0	0	0	0	0	60	
61	0	0	0	0	0	0	0	0	0	0	70	
ORIGIN ZONE	44	PURPOSE	4	1792 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1	27	131	5	8	14	56	55	28	13	0	10	
11	0	0	0	0	0	0	47	0	13	43	20	
21	8	0	32	8	10	18	18	0	0	0	30	
31	10	68	8	20	7	6	8	9	2	22	40	
41	2	75	596	123	8	0	3	0	6	0	50	
51	0	0	0	0	13	7	5	0	20	0	60	
61	0	10	3	4	0	0	0	0	7	10	70	
71	8	0	0	8	0	12	5	0	0	0	80	
91	0	0	0	0	0	0	12	0	0	0	100	
101	0	0	0	5	7	0	0	0	0	0	110	
111	0	0	0	0	0	0	36	5	4	0	120	
121	10	0	0	0	0	0	6	2	0	0	130	
131	8	0	5	0	0	0	57	0	0	0	140	
141	0	0	6	0								
ORIGIN ZONE	45	PURPOSE	1	1153 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1	7	100	0	12	31	98	57	46	18	0	10	
11	0	6	0	63	0	0	13	0	7	1	20	
21	0	21	6	0	0	5	10	0	0	0	30	
31	0	23	3	11	0	5	0	0	0	10	40	
41	0	86	412	28	0	0	0	0	0	5	50	
51	0	4	0	0	0	0	0	0	0	0	60	
61	0	0	0	0	0	0	0	0	0	0	70	
91	0	0	0	0	0	2	0	0	0	0	100	
111	0	0	0	0	0	0	16	4	4	0	120	
131	0	0	9	6	0	5	13	0	0	0	130	
141	0	0	4	0							140	



ORIGIN ZONE	45	PURPOSE	2	659 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1	6	26	0	5	24	69	8	37	0	0	10	
11	0	8	0	0	0	0	0	0	0	12	20	
21	7	5	0	0	0	9	10	0	0	0	30	
31	9	3	7	14	6	0	0	0	0	0	40	
41	0	63	229	57	0	0	0	0	0	0	50	
61	0	0	4	0	0	0	0	0	10	0	70	
111	8	0	0	0	0	0	8	0	0	0	120	
131	0	0	0	0	0	0	15	0	0	0	140	

ORIGIN ZONE	45	PURPOSE 3		66 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1	0	0	0	0	0	6	0	7	0	0	10	
31	0	0	0	0	0	5	0	0	0	0	40	
41	0	0	12	0	0	0	5	0	0	0	50	
51	0	0	0	0	0	10	0	0	0	0	60	
101	0	0	0	0	18	0	0	0	0	0	110	
131	0	0	0	0	0	0	3	0	0	0	140	

ORIGIN ZONE	45	PURPOSE	4	716 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1	7	115	2	3	12	25	16	15	17	0	10	
11	0	1	0	0	0	0	10	6	0	5	20	
21	7	0	3	0	7	5	19	0	0	0	30	
31	0	13	0	8	9	10	4	5	0	9	40	
41	0	36	98	6	0	4	4	0	0	3	50	
51	5	0	0	0	0	0	0	0	0	0	60	
61	0	9	1	7	0	0	0	0	3	0	70	
71	6	0	0	7	0	0	0	0	0	0	80	
91	0	0	4	0	0	7	0	0	0	0	100	
101	0	0	0	7	12	0	0	0	0	0	110	
111	2	0	0	0	0	28	57	8	8	0	120	
121	8	0	0	0	0	35	0	0	0	0	130	
131	10	0	0	7	0	7	11	0	0	0	140	

ORIGIN ZONE	46	PURPOSE	1	2740 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1	0	21	0	0	40	59	116	127	8	0	10	
11	0	0	0	0	0	0	26	0	11	35	20	
21	0	13	0	15	0	0	6	0	0	0	30	

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
31	0	41	22	109	3	0	30	113	12	1088	40
41	50	0	0	0	0	9	9	0	0	0	50
51	13	0	0	0	83	106	56	0	23	0	60
61	0	171	44	49	0	40	0	0	18	0	70
71	0	0	0	0	26	0	33	0	0	0	80
81	0	0	9	0	0	0	0	0	0	0	90
91	0	0	11	0	5	0	0	0	8	0	100
101	0	0	15	0	6	0	0	0	0	0	110
111	0	0	0	0	0	0	8	0	0	0	120
121	18	0	0	0	0	0	6	0	0	0	130
131	0	0	0	0	0	0	3	0	4	0	140

ORIGIN ZONE	46	PURPOSE	2	821 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1	2	4	0	0	2	41	43	41	3	0	10	
11	2	0	0	0	0	0	14	0	28	21	20	
21	7	1	12	4	0	0	1	0	0	0	30	
31	0	5	2	34	3	0	3	15	6	310	40	
41	19	0	0	0	0	4	0	0	0	15	50	
51	0	0	0	0	23	42	0	4	5	0	60	
61	10	14	5	5	0	0	0	2	4	6	70	
71	0	0	0	0	0	0	0	0	0	3	80	
81	0	0	0	0	0	0	0	0	0	3	90	
91	5	0	8	0	1	2	0	0	0	0	100	
101	0	0	0	0	4	0	0	0	0	0	110	
111	0	0	0	0	0	0	1	0	0	0	120	
131	5	0	0	0	0	1	0	0	0	0	140	
141	0	0	6	0								

ORIGIN ZONE	46	PURPOSE	3	72 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1	0	11	0	0	0	10	0	0	0	0	10	
11	0	0	0	0	0	0	0	0	0	22	40	
51	0	0	0	0	0	12	0	0	0	0	60	
101	0	0	0	0	6	0	0	0	0	0	110	
131	0	0	0	0	0	0	11	0	0	0	140	

ORIGIN ZONE	46	PURPOSE	4	1195 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1	5	46	0	8	25	13	9	67	0	0	10	
11	0	0	0	0	0	0	30	4	37	18	20	



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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
21	10	0	0	13	0	4	4	0	0	0	30
31	0	63	50	65	16	0	7	38	1	105	40
41	4	0	0	0	6	0	0	0	0	0	50
51	9	0	13	0	31	33	11	0	57	0	60
61	3	32	7	12	0	15	6	3	28	0	70
71	0	0	0	0	0	0	6	0	0	0	80
81	0	0	1	0	0	0	0	0	0	0	90
91	6	3	4	0	0	7	1	0	0	0	100
101	0	0	2	0	0	0	0	0	0	0	110
111	0	0	0	0	0	0	13	3	0	4	120
121	0	0	0	0	0	0	3	0	0	0	130
141	0	0	10	0	0	0	0	0	0	0	140

ORIGIN ZONE 47 PURPOSE 1 4641 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	40	0	0	106	144	157	349	0	0	10
11	0	0	0	30	0	0	102	0	13	39	20
21	32	0	26	33	0	0	0	0	0	0	30
31	0	73	0	177	58	3	3	54	8	736	40
41	185	4	5	11	0	8	17	0	0	672	50
51	7	39	39	0	107	138	39	62	84	24	60
61	0	313	71	89	0	16	0	67	114	62	70
71	42	26	0	0	0	0	34	7	0	0	80
81	23	0	0	0	0	0	0	0	0	0	90
91	0	9	18	0	0	8	0	0	0	0	100
101	0	0	0	15	29	0	0	0	0	0	110
111	12	0	0	0	0	4	7	0	0	0	120
121	0	0	0	0	0	0	31	0	0	0	130
131	0	0	0	0	0	7	0	0	0	0	140
141	0	0	8	0	0	0	0	0	0	0	140

ORIGIN ZONE 47 PURPOSE 2 924 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	9	2	3	17	29	22	103	0	0	10
11	0	0	0	13	0	0	30	0	12	14	20
21	3	0	0	6	1	0	0	0	0	0	30
31	0	21	37	42	16	13	0	15	0	203	40
41	76	0	0	10	0	0	0	0	0	31	50
51	2	0	0	0	16	22	7	4	15	0	60
61	0	50	14	11	0	0	0	0	0	0	70
71	6	0	0	0	0	0	0	4	0	0	80
81	8	0	1	0	0	0	0	1	0	0	90
91	0	0	6	0	0	0	0	0	0	0	100

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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
101	0	0	0	4	0	0	0	0	0	0	110
111	0	0	0	0	0	0	4	1	4	0	120

ORIGIN ZONE 47 PURPOSE 3 136 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	33	0	0	0	0	39	11	0	0	20
11	0	0	0	0	0	0	0	0	0	25	30
31	0	0	0	0	0	0	0	0	0	0	40
41	0	0	0	0	8	0	0	0	0	0	50
51	0	0	0	0	0	0	7	0	0	0	60
131	0	0	0	0	0	0	8	0	0	0	140

ORIGIN ZONE 47 PURPOSE 4 2071 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	69	0	6	4	85	25	45	0	0	10
11	0	9	0	0	0	61	6	5	14	51	20
21	32	0	4	41	12	0	10	0	0	0	30
31	0	36	20	137	41	9	12	30	5	156	40
41	45	0	8	5	1	0	0	0	0	218	50
51	18	0	0	36	36	91	10	12	248	12	60
61	0	54	16	16	18	14	21	0	52	18	70
71	16	0	0	0	4	2	14	4	0	2	80
81	0	0	15	5	0	0	0	0	0	0	90
91	2	0	26	0	0	0	4	0	3	0	100
101	0	0	4	4	4	0	0	0	0	0	110
111	0	0	0	0	0	9	29	7	7	1	120
121	4	0	0	0	0	0	3	0	0	0	130
131	0	0	0	0	0	0	5	0	0	0	140

ORIGIN ZONE 48 PURPOSE 1 263 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	8	0	0	0	6	0	22	0	0	10
31	0	0	0	12	0	0	0	29	5	117	40
41	56	0	0	0	0	0	0	0	0	0	50
51	0	0	0	0	0	0	8	0	0	0	60

ORIGIN ZONE 48 PURPOSE 2 71 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	0	0	13	0	0	10



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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
31	0	0	0	0	0	0	4	0	5	24	40
41	21	0	0	0	0	0	0	0	0	0	50
61	0	0	0	0	0	0	0	0	2	0	70
ORIGIN ZONE 48	PURPOSE 1	0 TOTAL ORIG/PROD									
ORIGIN ZONE 48	PURPOSE 4	83 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	3	0	0	0	0	0	0	0	0	10
31	0	14	0	0	12	0	3	0	3	2	40
41	30	3	0	0	0	0	0	0	0	3	50
51	5	0	0	0	0	10	0	0	0	0	60
ORIGIN ZONE 49	PURPOSE 1	1231 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	11	7	68	0	0	10
11	0	0	0	0	0	0	0	0	7	22	20
21	27	17	0	0	13	5	0	0	0	0	30
31	0	3	14	25	0	9	0	48	0	102	40
51	3	0	0	0	158	54	0	11	90	0	60
61	55	227	52	76	0	0	0	0	26	0	70
71	0	0	0	0	23	8	8	0	0	0	80
91	0	5	0	0	0	4	0	0	0	0	100
101	0	0	0	0	10	0	0	0	0	0	110
111	0	0	0	0	0	0	2	0	0	0	120
131	0	0	0	0	0	0	0	0	0	2	140
ORIGIN ZONE 49	PURPOSE 2	219 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	9	9	0	0	0	0	10
11	0	0	0	0	0	0	0	0	0	15	20
21	0	0	0	0	0	0	0	0	0	0	30
31	0	3	0	0	0	0	0	6	14	30	40
41	0	0	4	0	0	0	0	0	0	0	50
51	1	0	0	0	25	61	0	3	26	2	60
61	0	8	2	4	0	0	0	3	0	0	70
71	21	0	0	0	0	0	0	0	0	0	80
91	0	5	0	0	0	0	0	0	0	0	100

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ORIGIN ZONE 49	PURPOSE 1	15 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
121	15	0	0	0	0	0	0	0	0	0	130
ORIGIN ZONE 49	PURPOSE 4	161 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	1	4	0	9	0	0	0	0	0	0	10
21	0	1	0	0	0	0	0	0	0	0	30
31	0	6	0	0	0	0	0	18	0	24	40
41	6	0	0	0	0	0	0	0	0	0	50
51	0	0	0	0	11	14	6	0	13	0	60
61	0	0	0	3	0	0	0	0	4	1	70
71	13	0	0	0	0	0	0	0	0	0	80
81	0	0	0	2	0	0	0	0	4	0	90
101	0	0	0	1	2	0	0	0	0	0	110
111	0	0	0	0	0	0	0	0	0	5	120
ORIGIN ZONE 50	PURPOSE 1	9513 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	47	9	9	78	156	292	444	23	0	10
11	0	3	0	231	0	0	114	36	0	0	20
21	0	0	31	27	0	3	0	7	0	0	30
31	0	05	120	204	83	0	16	117	0	1325	40
41	163	0	0	8	4	0	678	0	0	15	50
51	25	0	0	0	219	1328	76	38	163	176	60
61	81	1195	268	341	6	47	0	41	344	0	70
71	263	0	0	19	0	42	17	0	24	0	80
81	69	0	0	18	0	0	5	0	0	0	90
91	0	0	61	0	0	3	0	4	0	0	100
101	5	21	0	6	40	0	0	0	0	0	110
111	19	0	0	0	0	6	24	0	12	0	120
121	0	0	0	0	0	0	22	0	0	0	130
131	35	0	24	9	0	0	0	0	0	0	140
141	0	0	0	3	0	0	0	0	0	0	150
ORIGIN ZONE 50	PURPOSE 2	1022 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	2	0	6	17	13	18	43	6	0	10
11	0	7	0	2	0	0	22	3	15	32	20
21	22	0	6	7	0	0	0	0	0	0	30
31	0	12	6	6	10	0	4	22	0	213	40



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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
41	9	0	0	5	0	16	27	0	0	0	50
51	4	0	0	0	17	105	21	12	14	50	60
61	10	86	27	24	0	0	0	0	26	0	70
71	18	0	0	0	3	7	7	0	0	0	80
81	3	1	0	0	2	0	0	0	0	0	90
91	0	0	10	0	0	3	0	0	0	0	100
101	0	3	0	2	3	0	0	0	0	0	110
111	1	0	0	0	0	0	0	2	1	0	120
121	0	0	0	0	0	0	2	0	0	0	130
131	0	0	0	0	0	0	0	0	0	3	140
141	0	0	1	3	0	0	0	0	0	0	
ORIGIN ZONE 50	PURPOSE 3	269 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	0	0	41	0	0	10
31	0	0	0	0	13	0	0	0	0	28	40
41	0	0	63	0	0	0	0	0	0	0	50
61	0	49	11	24	0	0	0	0	0	0	70
111	5	0	0	0	0	0	0	0	0	0	120
131	0	0	0	0	0	16	19	0	0	0	140
ORIGIN ZONE 50	PURPOSE 4	1998 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	91	0	29	23	74	16	33	0	0	10
11	0	0	0	0	6	0	56	0	0	43	20
21	13	0	6	24	0	10	32	0	0	0	30
31	0	18	23	7	38	6	4	103	4	305	40
41	87	0	0	0	4	0	214	4	0	0	50
51	3	0	0	0	36	84	0	15	29	21	60
61	9	128	32	45	9	0	0	0	51	25	70
71	17	0	5	0	6	0	0	15	0	0	80
81	0	0	10	0	0	0	0	0	0	1	90
91	15	0	20	0	0	17	1	0	0	0	100
101	1	6	2	8	20	0	0	0	0	0	110
111	0	0	0	0	0	17	31	10	7	0	120
121	0	0	0	0	0	0	0	4	0	0	130
131	0	0	5	10	0	0	0	0	0	0	140
141	2	0	0	0	0	0	0	0	0	0	
ORIGIN ZONE 51	PURPOSE 1	9961 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE

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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	7	0	0	0	24	17	5	30	0	0	10
11	0	0	0	0	0	0	0	0	6	0	20
21	0	0	22	0	0	0	0	0	0	0	30
31	0	0	0	10	0	5	0	27	0	203	40
41	25	0	0	0	0	13	0	0	2	25	50
51	546	0	3	0	4961	514	54	390	626	51	60
61	15	1137	256	326	17	78	17	38	121	16	70
71	77	18	0	8	40	28	15	31	0	0	80
81	7	22	0	0	0	0	5	0	0	0	90
91	0	0	10	0	0	9	0	0	0	4	100
101	0	0	0	0	14	0	36	23	0	0	110
111	0	0	0	0	0	5	9	3	0	0	120
121	2	0	0	0	0	0	0	0	0	0	130
131	6	0	3	0	0	0	0	0	0	0	140
ORIGIN ZONE 51	PURPOSE 2	1608 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	1	0	0	3	0	5	0	0	0	10
11	0	0	0	0	0	0	0	0	0	3	20
21	8	0	0	7	0	0	0	14	0	0	30
31	0	0	0	0	2	0	0	0	0	50	40
41	0	0	0	0	0	0	3	0	1	5	50
51	146	0	0	2	738	99	12	56	90	18	60
61	9	131	35	19	13	11	5	11	20	4	70
71	23	4	0	2	8	3	0	1	0	2	80
81	1	0	2	4	1	0	1	1	0	0	90
91	0	0	5	0	0	1	0	1	0	0	100
101	0	0	0	0	3	0	0	0	0	0	110
111	0	0	0	0	0	2	1	0	0	0	120
121	1	0	0	0	0	0	0	0	0	0	130
ORIGIN ZONE 51	PURPOSE 3	281 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
41	0	0	21	0	0	0	0	0	0	0	50
51	10	0	0	0	150	0	0	61	0	0	60
61	0	12	22	0	0	0	0	0	0	0	70
131	0	0	0	0	0	0	5	0	0	0	140
ORIGIN ZONE 51	PURPOSE 4	583 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	21	0	0	0	10	5	0	0	0	10



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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
11	0	0	0	0	0	0	4	0	2	4	20
21	0	0	0	0	0	1	0	0	0	0	30
31	0	15	0	10	5	3	0	13	4	60	40
41	0	0	0	0	5	9	12	0	0	3	50
51	44	1	1	0	246	53	11	34	114	0	60
61	5	41	3	17	0	0	0	19	26	5	70
71	9	0	1	0	0	0	0	7	0	0	80
81	0	2	3	0	0	0	0	0	0	0	90
91	1	0	4	0	0	0	0	0	2	0	100
101	0	0	0	11	12	0	0	0	0	1	110
111	0	0	0	0	0	0	11	1	0	0	120
121	0	0	0	2	0	2	0	0	0	0	130
131	2	0	0	0	0	0	4	0	0	0	140

ORIGIN ZONE	52	PURPOSE	1	3097 TOTAL ORIG/PROD								
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1		0	0	0	0	0	33	11	113	7	0	10
11		0	0	0	0	0	0	62	0	42	0	20
21		0	5	0	18	0	0	13	0	0	0	30
31		0	49	22	14	3	0	8	33	52	235	40
41		0	0	0	0	0	0	48	0	0	0	50
51		0	0	2	9	108	1064	56	0	0	139	60
61		21	374	88	107	14	0	58	0	16	0	70
71		0	0	0	0	41	46	6	0	0	15	80
81		0	0	25	43	0	0	0	0	0	0	90
91		0	0	35	0	0	0	0	0	0	0	100
101		0	0	29	0	0	0	0	0	0	0	110
111		0	0	0	0	0	3	10	0	0	0	120
121		0	0	0	0	0	0	3	21	0	0	130

ORIGIN ZONE	52	PURPOSE	2	520 TOTAL ORIG/PROD							
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	0	9	2	0	0	10
11	0	0	0	0	0	0	5	0	7	17	20
21	12	0	0	0	0	0	0	0	0	0	30
31	0	3	5	1	0	0	7	0	0	32	40
41	12	0	0	0	0	0	0	0	0	0	50
51	0	0	0	0	27	162	27	9	15	0	60
61	11	80	20	23	0	0	0	3	0	3	70
71	22	0	0	0	1	0	0	0	0	0	80
91	0	0	5	0	0	0	0	0	0	0	100

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ORIGIN ZONE	52	PURPOSE	3	17 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1		0	17	0	0	0	0	0	0	0	0	10	
61		0	13	0	7	0	0	0	0	0	0	70	

ORIGIN ZONE	52	PURPOSE	4	493 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1	0	23	0	5	0	82	0	26	0	0	10	
11	0	0	0	0	0	0	20	0	4	14	20	
21	0	0	0	0	0	0	33	0	0	0	30	
31	0	12	3	9	15	3	0	55	0	24	40	
51	1	0	0	0	2	60	0	0	0	0	60	
61	0	11	0	5	0	0	0	3	14	0	70	
71	0	0	0	0	0	21	0	7	0	0	80	
91	0	0	7	0	0	0	0	0	0	0	100	
101	0	0	1	8	4	0	0	0	0	0	110	
111	0	0	0	0	0	6	4	2	3	0	120	
121	0	0	0	0	0	0	2	3	0	0	130	
131	1	0	0	0	0	0	0	0	0	0	140	

ORIGIN ZONE	53	PURPOSE	1	1982 TOTAL ORIG/PROD							
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	5	0	0	0	22	8	17	0	0	10
11	0	0	0	197	0	0	6	0	6	0	20
21	0	0	0	16	0	0	0	0	0	0	30
31	0	37	15	38	11	0	9	39	0	106	40
41	6	0	0	0	0	0	39	0	0	0	50
51	2	3	4	7	46	437	186	68	0	0	60
61	9	233	57	71	27	0	0	28	0	0	70
71	27	0	0	0	35	12	0	33	0	0	80
81	0	0	0	20	0	0	0	0	0	0	90
131	0	0	0	0	0	0	12	0	0	0	140

ORIGIN ZONE	53	PURPOSE	2	278 TOTAL ORIG/PROD								
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1		0	0	0	0	0	17	0	0	0	0	10
21		7	0	0	0	0	0	0	0	0	0	30
31		0	0	0	0	0	0	0	10	0	23	40
51		0	0	0	0	0	130	40	0	0	0	60
61		0	15	0	7	0	10	0	0	2	0	70
91		0	0	0	0	4	0	0	0	2	0	100



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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
131	0	0	0	0	0	0	3	0	0	0	140
ORIGIN ZONE 53	PURPOSE 3	33 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	0	0	13	0	0	10
41	0	0	0	10	0	0	0	0	0	0	50
111	0	0	0	0	0	0	0	2	0	0	120
121	0	0	0	0	0	8	0	0	0	0	130
ORIGIN ZONE 53	PURPOSE 4	131 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	5	0	0	0	10	0	0	0	0	10
11	0	0	0	0	0	0	4	0	0	4	20
31	0	0	0	11	0	0	0	7	0	0	40
41	9	0	0	0	0	13	0	0	0	0	50
51	0	0	0	0	0	54	3	0	3	0	60
61	9	0	0	0	0	0	0	0	0	0	70
71	0	0	0	0	5	6	3	0	0	0	80
91	0	0	1	0	0	0	0	0	2	0	100
ORIGIN ZONE 54	PURPOSE 1	690 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	6	27	4	0	0	10
11	0	0	0	0	0	8	0	0	0	6	20
31	0	0	25	0	0	0	0	0	0	11	40
51	8	8	5	0	0	51	428	0	5	0	60
61	0	45	12	17	6	0	0	0	2	0	70
71	0	0	0	0	0	0	8	3	0	0	80
81	0	0	1	0	0	0	0	0	0	0	90
91	0	0	2	0	0	0	0	0	0	0	100
101	0	0	7	0	0	0	0	0	0	0	110
111	0	0	0	0	0	0	1	0	0	0	120
ORIGIN ZONE 54	PURPOSE 2	1400 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	0	18	0	0	0	10
11	0	0	0	0	0	0	0	0	17	0	20
31	0	0	0	0	0	0	0	0	0	45	40
51	2	0	0	0	7	121	909	0	19	0	60

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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
61	0	72	20	24	42	13	4	17	6	0	70
71	19	0	0	18	0	3	10	7	0	0	80
81	3	0	0	0	0	0	0	0	0	0	90
101	0	0	0	4	0	0	0	0	0	0	110
ORIGIN ZONE 54	PURPOSE 3	17 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
31	0	9	0	0	0	0	0	0	0	0	40
51	0	0	0	0	0	0	2	0	0	0	60
61	0	2	4	0	0	0	0	0	0	0	70
ORIGIN ZONE 54	PURPOSE 4	131 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	1	0	0	0	0	0	0	0	0	10
31	0	0	0	0	0	0	0	0	0	7	40
41	0	0	0	0	0	0	33	0	0	0	50
51	2	0	0	0	2	2	44	2	2	0	60
61	2	0	2	0	0	2	0	0	2	1	70
71	1	0	0	0	0	2	2	0	0	0	80
81	0	0	2	0	0	0	0	0	0	0	90
91	0	0	2	0	0	0	0	0	2	0	100
111	0	0	0	0	0	0	0	2	0	0	120
131	0	0	2	2	0	0	0	0	0	0	140
ORIGIN ZONE 55	PURPOSE 1	7596 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	12	4	12	19	74	75	61	4	0	10
11	0	6	0	169	0	0	38	9	27	52	20
21	0	17	14	2	0	0	0	0	0	0	30
31	0	29	21	49	6	3	5	14	0	74	40
41	0	5	7	12	0	67	119	0	144	213	50
51	4964	98	50	0	18	52	72	0	3	0	60
61	0	10	0	2	5	12	0	130	307	34	70
71	104	0	20	6	79	51	20	10	9	7	80
81	3	11	5	29	0	0	0	10	0	0	90
91	0	0	9	0	4	14	0	0	0	0	100
101	0	0	0	9	40	0	0	0	0	0	110
111	6	0	0	0	0	0	14	0	0	0	120
121	0	0	0	0	0	0	12	0	0	0	130
131	12	0	0	0	7	0	5	0	0	0	140
141	0	0	0	0	0	0	0	0	0	0	140



ORIGIN ZONE	55	PURPOSE	2	1803 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE		
1	0	11	3	2	12	38	18	21	0	0	10		
11	0	2	0	0	0	0	7	0	13	25	20		
21	0	0	0	0	2	0	0	0	0	0	30		
31	0	15	5	11	7	0	0	0	0	3	40		
41	2	0	1	16	0	22	14	0	29	16	50		
51	734	28	2	16	23	55	13	0	7	0	60		
61	0	18	6	2	0	0	0	184	183	24	70		
71	41	0	0	0	36	7	4	0	0	10	80		
81	0	17	0	0	2	0	0	0	0	0	90		
91	6	0	19	0	0	4	0	0	0	0	100		
101	0	0	0	0	9	0	0	0	0	0	110		
111	0	0	0	0	0	0	7	0	0	0	120		
121	0	0	0	0	0	0	5	0	0	0	140		
ORIGIN ZONE	55	PURPOSE	3	195 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE		
41	0	0	20	0	0	0	0	0	0	0	50		
51	156	0	0	0	0	0	0	0	0	0	60		
121	0	0	0	0	0	0	19	0	0	0	140		
ORIGIN ZONE	55	PURPOSE	4	1054 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE		
1	5	67	0	9	8	12	20	28	0	0	10		
11	0	3	0	0	0	0	3	0	4	8	20		
21	6	0	0	2	0	0	3	0	0	0	30		
31	0	21	8	16	15	3	2	23	0	31	40		
41	7	0	0	12	0	30	36	0	14	31	50		
51	246	5	0	1	0	16	7	0	5	0	60		
61	9	0	0	0	0	0	0	0	0	0	70		
71	15	0	0	0	0	17	19	0	2	15	80		
81	0	3	0	18	5	0	0	3	4	0	90		
91	0	0	5	0	0	0	0	0	0	0	100		
101	0	0	0	7	22	0	0	0	0	0	110		
111	0	0	0	0	0	4	4	2	3	0	120		
121	1	0	0	3	0	0	0	0	0	0	130		
ORIGIN ZONE	56	PURPOSE	1	9860 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE		
1	0	26	0	33	80	205	186	298	25	0	10		

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
11	0	0	5	68	0	0	125	29	33	40	20
21	4	19	36	24	38	8	37	0	0	0	30
31	0	140	121	143	72	5	5	25	0	249	40
41	9	0	9	16	0	95	139	0	53	1325	50
51	520	1061	448	49	55	936	281	11	28	7	60
61	30	54	14	11	6	26	5	37	769	28	70
71	56	37	8	34	399	350	107	41	16	13	80
81	64	33	41	67	9	0	5	22	0	0	90
91	10	0	104	16	0	43	0	0	2	4	100
101	0	0	10	18	75	0	0	0	0	0	110
111	8	0	0	0	0	18	53	8	19	0	120
121	11	0	0	0	0	0	0	0	0	0	130
131	24	0	6	0	0	10	16	0	0	0	140
141	0	0	3	7	0	0	0	0	0	0	140
ORIGIN ZONE 56 PURPOSE 2 3419 TOTAL ORIG/PROD											
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	3	0	0	20	59	34	78	6	0	10
11	0	0	0	3	0	0	47	0	21	22	20
21	12	6	1	11	5	2	10	0	0	0	30
31	0	32	8	19	5	5	0	5	0	62	40
41	2	0	5	5	0	42	20	0	55	97	50
51	98	162	131	129	59	562	351	0	22	0	60
61	78	54	16	15	0	14	7	68	269	10	70
71	51	0	0	0	118	115	20	11	10	19	80
81	37	28	27	21	0	0	9	6	3	0	90
91	24	0	37	0	9	16	0	0	0	0	100
101	0	0	0	14	15	0	0	0	0	0	110
111	0	0	0	0	0	18	25	3	3	0	120
121	0	0	0	0	0	0	0	5	0	0	130
131	5	0	0	0	0	0	4	0	0	0	140
141	0	0	10	0	0	0	0	0	0	0	140
ORIGIN ZONE 56 PURPOSE 3 265 TOTAL ORIG/PROD											
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	23	0	0	19	6	19	18	0	0	10
11	0	0	0	0	0	0	0	0	0	91	20
21	0	8	0	0	0	0	0	0	0	23	40
31	21	0	0	0	6	10	0	0	0	0	30
41	0	0	0	0	0	3	4	0	0	0	60
51	0	0	0	0	0	0	0	0	2	0	100
61	0	0	0	0	0	0	0	0	0	0	120
71	4	0	0	0	0	0	0	0	0	0	130
121	0	0	0	0	0	0	0	0	0	0	140



MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
131	3	0	0	0	0	0	0	0	0	0	140
141	0	0	3	0							

ORIGIN ZONE 56 PURPOSE 4 2626 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	242	0	18	20	89	17	66	0	0	10
11	0	2	4	24	13	0	53	6	37	49	20
21	4	14	25	7	0	0	16	0	0	0	30
31	0	68	26	91	28	2	0	33	0	71	40
41	32	0	12	9	0	37	95	13	14	83	50
51	52	57	57	5	14	233	72	9	9	7	60
61	8	12	5	4	0	0	7	62	0	0	70
71	0	10	6	0	144	44	10	2	0	0	80
81	17	1	25	25	2	0	9	2	0	0	90
91	0	0	54	3	0	33	7	0	5	0	100
101	0	4	4	22	18	0	0	0	0	0	110
111	10	0	2	3	0	20	59	34	22	0	120
121	7	0	0	0	1	0	0	0	0	6	130
131	31	0	1	3	0	0	13	0	0	8	140
141	0	0	5	1							

ORIGIN ZONE 57 PURPOSE 1 4797 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	6	0	8	23	17	81	32	17	0	10
11	0	0	0	131	0	0	9	0	15	30	20
21	0	11	25	5	0	5	0	0	0	0	30
31	0	33	17	21	7	0	0	37	0	59	40
41	3	0	0	0	0	51	51	0	0	89	50
51	52	56	170	429	17	277	1979	0	30	5	60
61	17	225	54	61	7	16	5	0	66	6	70
71	33	32	5	9	93	34	61	3	3	2	80
81	5	3	10	0	0	0	18	7	0	0	90
91	3	6	28	6	0	8	0	0	0	0	100
101	2	0	0	9	19	0	0	0	0	0	110
111	5	0	0	0	0	4	15	4	2	0	120
131	22	0	20	0	0	0	53	0	2	0	140
141	0	0	15	0							

ORIGIN ZONE 57 PURPOSE 2 1930 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	1	0	0	0	15	24	0	0	0	10

MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
11	0	0	0	0	0	0	5	0	0	2	20
21	0	0	0	0	0	0	5	0	0	0	30
31	0	1	0	12	0	0	0	16	0	17	40
41	2	0	6	0	0	0	0	0	0	18	50
51	9	26	29	905	12	325	1944	0	8	22	60
61	22	133	33	42	0	11	7	9	33	6	70
71	18	8	4	23	0	30	32	0	2	0	80
81	4	0	10	0	0	0	5	3	0	0	90
91	8	0	7	0	0	0	0	0	0	4	100
101	0	2	0	8	4	0	0	0	0	0	110
111	0	0	0	0	0	0	7	3	4	0	120
131	17	0	0	0	0	0	10	0	0	2	140
141	0	0	13	0							

ORIGIN ZONE 57 PURPOSE 3 405 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	9	0	0	0	16	39	9	0	0	10
11	0	0	0	56	0	3	0	0	0	172	20
21	0	14	0	0	0	0	0	0	0	0	30
31	0	0	0	0	0	0	12	0	0	0	40
41	0	0	0	0	0	0	15	0	0	0	50
51	0	0	0	2	0	4	15	0	0	0	60
61	0	6	2	3	0	0	0	0	0	2	70
81	0	0	1	0	0	0	0	0	0	0	90
91	0	0	1	0	0	0	0	0	0	0	100
111	0	0	0	0	0	0	0	0	0	0	110
121	2	0	0	0	0	0	0	0	0	0	120
131	0	0	0	0	0	0	21	0	0	0	140

ORIGIN ZONE 57 PURPOSE 4 995 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	7	0	0	4	11	5	0	0	0	10
11	0	0	0	0	0	0	7	0	10	9	20
21	0	1	0	0	0	2	3	0	0	0	30
31	0	9	0	23	9	0	0	7	2	12	40
41	1	0	0	5	0	13	10	0	3	2	50
51	14	0	2	46	6	71	336	2	0	2	60
61	6	40	10	18	3	8	1	12	10	8	70
71	8	26	3	7	25	0	0	0	1	2	80
81	1	0	3	7	0	0	0	3	0	0	90
91	0	0	19	0	3	1	3	0	0	0	100
101	0	6	5	1	8	0	1	2	0	0	110
111	5	0	0	0	0	6	17	0	0	0	120



MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
121	4	0	0	0	0	0	0	0	0	3	130
131	22	2	0	1	0	0	40	0	0	0	140
141	0	0	6	0	0	0	0	0	0	0	0
ORIGIN ZONE 58	PURPOSE 1	2015 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	14	0	0	10	8	33	54	0	0	10
11	0	0	0	0	0	0	24	0	14	18	20
21	7	3	0	0	0	0	2	0	0	0	30
31	0	65	26	3	0	6	0	11	0	29	40
41	0	0	5	0	0	0	76	0	13	37	50
51	387	15	67	0	0	10	0	0	0	0	60
61	0	0	0	0	0	0	0	390	6	83	70
71	82	14	0	0	73	14	49	16	6	2	80
81	10	0	19	29	0	0	11	9	3	0	90
91	0	0	25	5	0	14	7	0	0	0	100
101	0	0	7	2	20	0	41	0	0	0	110
111	9	0	0	0	0	7	22	0	0	0	120
131	11	0	0	0	0	0	6	0	0	0	140
ORIGIN ZONE 58	PURPOSE 2	737 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	2	0	0	8	0	11	14	5	0	10
11	0	0	0	0	4	0	6	0	6	9	20
21	2	0	0	0	0	0	0	0	0	0	30
31	0	2	3	3	10	0	0	0	4	6	40
41	3	0	2	0	0	3	4	0	2	10	50
51	58	0	2	0	0	0	0	0	0	0	60
61	0	0	0	0	0	0	0	181	166	53	70
71	50	0	13	0	9	15	2	4	0	0	80
81	10	0	0	11	0	0	2	0	3	1	90
91	0	0	15	0	0	0	0	0	0	0	100
101	0	0	0	0	2	0	0	0	0	0	110
111	0	0	0	0	0	0	1	0	0	0	120
131	12	0	0	0	0	0	0	0	0	0	140
ORIGIN ZONE 58	PURPOSE 3	73 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
51	73	0	0	0	0	0	0	0	0	0	60

MATRIX MULTIPLICATION

ORIGIN ZONE 58	PURPOSE 4	328 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	10	0	0	0	11	4	1	0	0	10
11	0	0	0	0	0	0	4	0	2	19	20
31	0	2	0	20	1	0	0	7	0	6	40
41	5	0	0	0	0	0	9	0	0	18	50
51	15	0	0	3	0	8	2	0	0	0	60
61	0	2	0	0	0	0	0	28	40	15	70
71	0	0	0	0	16	0	0	0	0	4	80
81	8	0	0	0	4	0	0	4	0	0	90
91	0	0	2	0	0	4	0	0	0	0	100
101	0	2	0	0	4	0	0	0	0	0	110
111	4	0	0	0	0	1	0	4	1	0	120
121	4	0	2	0	0	0	0	0	0	0	130
131	4	0	0	0	0	0	0	0	0	0	140
ORIGIN ZONE 59	PURPOSE 1	7542 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	13	0	0	22	59	85	142	0	0	10
11	0	0	0	14	0	0	64	0	2	40	20
21	2	11	0	0	0	0	0	0	0	0	30
31	0	54	20	42	24	6	0	5	0	47	40
41	5	0	7	0	0	27	83	7	71	142	50
51	633	0	0	2	3	11	25	0	13	0	60
61	0	4	0	5	2	2	0	735	2575	185	70
71	385	37	17	51	269	160	45	33	8	5	80
81	101	75	47	124	2	4	16	18	18	0	90
91	0	0	158	2	5	41	0	0	12	6	100
101	3	7	14	30	88	0	19	0	0	0	110
111	23	0	0	0	0	30	63	2	12	0	120
121	6	4	0	0	0	0	0	0	0	0	130
131	14	0	7	0	0	0	12	0	0	0	140
141	0	0	15	0	0	0	0	0	0	0	0
ORIGIN ZONE 59	PURPOSE 2	3324 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	2	3	0	9	16	9	15	0	0	10
11	0	11	0	0	0	0	17	0	15	8	20
21	4	0	5	0	3	0	0	0	0	0	30
31	0	18	0	5	3	0	0	5	0	13	40
41	4	0	1	0	0	8	13	0	25	14	50
51	89	12	0	27	6	24	7	0	0	0	60
61	0	8	2	3	0	0	4	1005	1037	108	70



MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
71	300	23	4	5	53	57	0	14	10	0	80
81	64	22	5	10	1	2	7	9	18	0	90
91	0	6	50	8	0	20	0	0	7	0	100
101	0	0	0	9	2	0	0	0	0	0	110
111	0	0	0	5	0	3	10	3	4	1	120
121	0	0	0	0	0	0	2	0	0	0	130
131	18	0	0	0	0	0	2	0	0	0	140
ORIGIN ZONE 59	PURPOSE 3	114 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	19	0	0	20	0	0	10	0	0	10
11	0	0	0	0	0	0	32	0	7	5	20
31	0	0	0	4	0	0	0	0	0	0	40
61	0	4	2	2	0	0	0	0	0	0	70
81	0	0	0	0	0	0	0	1	0	0	90
101	0	0	0	0	7	0	0	0	0	0	110
121	1	0	0	0	0	0	0	0	0	0	130
ORIGIN ZONE 59	PURPOSE 4	3148 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	6	110	2	17	16	46	20	30	4	0	10
11	0	2	1	6	4	0	26	0	7	30	20
21	11	0	17	3	0	1	0	0	0	0	30
31	0	19	2	53	34	3	0	24	0	102	40
41	32	0	0	16	0	54	249	0	9	26	50
51	118	0	2	2	6	7	0	0	28	0	60
61	0	0	0	0	12	17	0	266	318	112	70
71	163	29	7	6	82	129	40	1	16	53	80
81	17	17	23	59	4	2	0	14	1	0	90
91	0	3	92	0	0	54	10	1	7	0	100
101	4	0	1	25	18	0	12	0	0	0	110
111	18	0	0	0	0	21	81	119	82	0	120
121	18	2	0	2	0	0	3	0	0	7	130
131	25	0	6	3	0	0	0	0	0	0	140
141	0	0	1	0	0	0	0	0	0	0	
ORIGIN ZONE 60	PURPOSE 1	1701 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	13	14	51	37	162	10	0	10
11	0	0	0	52	0	0	21	0	0	4	20
21	0	6	0	4	0	0	8	0	0	0	30

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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE*
31	0	27	15	28	13	0	5	0	4	57	40
41	27	0	0	0	0	0	24	0	0	192	50
51	47	130	0	0	0	5	7	0	0	17	60
61	0	2	0	0	0	10	0	60	244	14	70
71	29	0	0	0	134	40	15	8	0	0	80
81	5	0	0	14	0	0	3	0	0	0	90
91	0	0	63	0	0	0	6	0	7	0	100
101	0	0	0	7	31	0	0	0	0	0	110
111	0	0	0	0	0	3	10	0	6	0	120
121	10	0	0	0	0	0	0	0	0	0	140
ORIGIN ZONE 60	PURPOSE 2	486 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	8	11	6	51	0	0	10
11	0	0	0	0	0	0	16	0	0	0	20
21	0	0	0	11	4	0	0	0	0	18	40
41	0	0	0	0	0	0	0	0	10	49	50
51	10	0	0	0	0	0	28	0	5	29	60
61	0	0	0	0	0	0	0	44	65	11	70
71	0	0	0	15	13	25	0	0	0	0	80
81	19	0	2	2	0	0	6	2	0	0	90
91	0	0	2	0	5	0	0	0	0	0	100
101	0	0	3	3	8	0	0	0	0	0	110
111	0	0	0	0	0	6	6	0	0	0	120
ORIGIN ZONE 60	PURPOSE 3	15 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	6	0	0	0	0	0	0	0	0	10
11	0	0	0	0	0	0	5	0	0	0	20
91	0	0	0	0	0	4	0	0	0	0	100
ORIGIN ZONE 60	PURPOSE 4	285 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	5	14	0	2	0	8	3	15	0	0	10
11	0	0	0	4	0	0	10	0	0	0	20
21	12	0	0	2	0	0	0	0	0	0	30
31	0	0	0	10	10	0	0	0	0	8	40
41	4	0	0	0	0	0	16	0	0	18	50
51	0	0	0	0	0	11	0	0	0	15	60
61	0	5	3	0	0	0	0	0	6	0	70
71	0	0	0	0	36	29	0	0	0	3	80



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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
81	0	1	0	0	0	0	0	0	0	0	90
91	0	0	0	0	0	4	0	0	0	0	100
101	0	0	0	0	3	0	0	0	0	0	110
111	0	0	0	0	0	0	3	7	4	0	120
121	0	4	0	0	0	0	0	0	0	0	130

ORIGIN ZONE	61	PURPOSE	1	477 TOTAL ORIG/PROD							
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	13	19	5	0	0	0	10
11	0	0	0	0	0	0	0	0	0	0	20
21	0	0	0	0	0	0	0	0	0	0	30
31	0	0	0	5	0	0	0	0	0	0	40
41	0	0	0	0	0	0	0	0	66	71	50
51	20	21	10	0	0	30	17	0	0	0	60
61	0	0	0	0	2	0	0	7	20	5	70
71	6	0	0	0	43	23	24	15	0	0	80
81	0	0	0	0	0	0	0	0	0	0	90
91	0	0	4	0	0	0	0	0	0	0	100
101	0	0	0	3	7	0	0	0	0	0	110
111	0	0	0	0	0	0	3	0	0	0	120
131	12	0	0	0	0	0	0	0	0	0	140

ORIGIN ZONE	61	PURPOSE	2	244 TOTAL ORIG/PROD							
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
11	0	0	0	0	0	0	0	0	7	0	20
31	0	2	2	0	0	0	0	0	0	0	40
41	0	0	0	0	0	2	0	0	0	5	50
51	12	14	0	0	0	77	21	0	0	0	60
61	0	0	0	0	0	0	0	0	13	0	70
71	6	0	0	0	34	14	4	3	0	0	80
91	0	0	5	0	0	0	0	0	0	0	100
101	0	0	0	0	5	0	0	0	0	0	110
131	0	0	0	0	0	0	15	0	0	0	140

ORIGIN ZONE	61	PURPOSE	3	17 TOTAL ORIG/PROD							
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
131	0	0	0	0	0	7	0	0	0	0	140
141	0	0	10	0	0	0	0	0	0	0	

ORIGIN ZONE	61	PURPOSE	4	141 TOTAL ORIG/PROD
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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	5	0	0	0	0	0	0	0	0	0	10
11	0	0	0	0	0	0	0	0	2	4	20
21	0	0	0	0	0	0	1	0	0	0	30
31	0	0	0	0	0	0	0	0	0	2	40
41	0	0	0	0	0	5	0	0	0	11	50
51	6	0	11	3	9	9	5	0	0	0	60
61	0	0	0	0	0	0	0	0	3	0	70
71	0	0	0	0	0	35	8	5	0	0	80
91	0	0	0	0	0	0	0	0	0	4	100
101	0	0	0	0	2	0	0	0	0	0	110
111	0	0	0	0	0	0	2	0	0	0	120
131	2	0	0	4	0	0	0	0	0	0	140

ORIGIN ZONE	62	PURPOSE	1	27167 TOTAL ORIG/PROD							
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	106	7	16	153	505	341	1004	41	0	10
11	6	13	0	361	0	0	356	4	53	132	20
21	14	31	14	12	6	25	17	0	0	0	30
31	0	317	178	317	74	26	18	54	9	417	40
41	38	4	29	18	4	162	306	0	233	1190	50
51	1136	179	228	51	10	52	230	0	4	2	60
61	0	216	47	59	4	22	0	577	4295	176	70
71	897	34	103	101	4093	1140	702	451	185	37	80
81	171	165	148	256	15	2	73	21	14	15	90
91	31	13	468	8	20	124	18	4	41	0	100
101	10	41	42	101	421	0	0	0	0	0	110
111	45	0	0	5	0	41	218	31	15	10	120
121	28	5	0	2	2	0	15	3	0	15	130
131	147	0	70	20	6	42	106	3	0	0	140
141	0	0	30	1							

ORIGIN ZONE	62	PURPOSE	2	7398 TOTAL ORIG/PROD							
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	14	0	9	25	63	55	169	13	0	10
11	0	6	0	11	15	0	52	3	33	35	20
21	7	12	4	5	2	2	7	0	0	0	30
31	0	32	27	28	15	0	0	12	3	70	40
41	4	0	2	4	0	16	41	0	10	83	50
51	132	74	19	77	12	57	139	0	0	0	60
61	0	107	30	29	3	21	0	652	1405	105	70
71	491	10	25	53	1035	780	152	102	53	34	80
81	108	102	43	68	8	6	11	7	0	2	90
91	27	8	130	30	6	25	8	0	2	0	100



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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
101	5	3	3	21	83	0	3	0	0	0	110
111	14	0	0	0	0	12	67	4	2	0	120
121	2	0	0	0	0	3	8	4	0	3	130
131	59	0	2	4	0	2	72	0	0	4	140
141	0	0	10	0							

ORIGIN ZONE 62 PURPOSE 3 983 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	29	0	8	12	68	111	99	0	0	10
11	0	0	0	0	0	0	22	15	0	0	20
21	0	0	0	0	0	0	0	35	0	0	30
31	0	10	0	5	0	0	42	5	0	19	40
41	31	0	11	0	0	0	0	0	0	57	50
51	12	0	0	3	0	0	7	0	4	0	60
61	0	0	0	0	0	0	0	0	9	0	70
71	0	0	0	0	13	26	7	4	0	0	80
81	0	5	3	0	0	0	0	0	0	0	90
91	0	0	4	0	0	0	0	0	0	0	100
101	0	0	13	0	35	0	0	0	0	0	110
111	0	0	0	0	0	13	3	2	0	0	120
121	0	0	0	0	0	2	0	21	0	8	130
131	0	0	0	8	0	38	140	0	0	0	140
141	0	0	0	0							

ORIGIN ZONE 62 PURPOSE 4 3394 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	2	158	0	23	11	72	44	74	3	0	10
11	0	7	0	4	2	2	92	4	43	19	20
21	47	3	4	35	5	9	5	0	0	0	30
31	2	38	12	67	50	0	4	32	0	90	40
41	29	0	9	11	9	31	49	0	7	121	50
51	45	10	0	0	0	12	41	3	0	5	60
61	0	17	4	9	0	0	0	55	238	6	70
71	23	0	0	7	321	182	74	62	4	14	80
81	39	20	34	65	5	0	12	7	3	10	90
91	4	3	130	0	3	46	9	0	7	4	100
101	2	9	29	47	70	2	3	1	2	0	110
111	22	0	0	0	0	57	133	59	37	8	120
121	18	2	0	6	0	2	2	0	0	8	130
131	40	2	0	3	3	4	51	0	0	0	140
141	0	0	10	0							

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ORIGIN ZONE 63 PURPOSE 1 6175 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	25	0	5	34	114	122	226	10	0	10
11	0	0	0	91	0	0	81	4	9	30	20
21	5	11	0	0	6	8	8	0	0	0	30
31	0	70	41	72	16	10	2	12	5	92	40
41	11	0	5	4	0	38	67	0	55	270	50
51	264	83	57	9	3	11	50	0	5	0	60
61	0	47	11	13	0	4	0	137	967	42	70
71	205	5	25	22	926	708	180	102	41	12	80
81	40	39	34	59	2	8	14	4	8	2	90
91	7	0	107	0	4	27	7	0	8	2	100
101	0	17	9	20	99	0	0	0	0	0	110
111	11	0	0	3	0	8	47	11	0	6	120
121	7	0	0	0	0	0	6	0	0	2	130
131	30	0	18	7	0	6	32	0	0	0	140
141	0	0	4	0							

ORIGIN ZONE 63 PURPOSE 2 1996 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	3	0	6	3	18	14	47	0	0	10
11	0	0	0	8	0	0	14	2	10	9	20
21	2	2	2	5	0	2	1	0	0	0	30
31	0	7	5	8	4	3	0	4	2	14	40
41	4	0	0	0	0	5	10	0	2	25	50
51	32	22	0	22	5	16	39	0	3	0	60
61	0	23	13	7	0	8	0	173	379	27	70
71	136	3	8	15	274	192	38	30	13	13	80
81	24	29	18	20	0	3	3	2	0	2	90
91	6	0	38	5	2	10	0	0	3	0	100
101	0	0	0	9	22	0	0	3	0	0	110
111	3	0	0	0	0	4	18	2	2	0	120
121	0	2	0	0	0	0	0	2	0	0	130
131	13	0	0	2	0	1	16	0	0	0	140
141	0	0	8	0							

ORIGIN ZONE 63 PURPOSE 3 277 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	9	0	6	0	16	32	26	0	0	10
11	0	0	0	0	0	0	8	0	0	0	20
21	0	0	0	0	0	0	0	10	0	0	30
31	0	12	0	0	0	0	6	10	0	0	40
41	6	0	11	0	0	0	0	0	0	8	50



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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
91	0	13	0	0	0	0	3	0	2	0	60
71	0	0	0	0	5	5	3	2	0	0	80
81	0	3	0	0	0	0	0	0	0	0	90
91	0	0	5	0	0	0	0	0	0	0	100
101	0	0	2	0	10	0	0	0	0	0	110
111	0	0	0	0	0	2	0	3	0	0	120
121	0	0	0	0	0	0	0	5	0	4	130
131	0	0	0	2	0	10	38	0	0	0	140

ORIGIN ZONE 63 PURPOSE 4 972 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	31	0	3	3	22	12	22	0	0	10
11	0	3	0	1	0	0	26	0	12	8	20
21	10	0	0	10	2	4	0	0	0	0	30
31	2	0	3	19	13	1	0	10	0	24	40
41	11	0	1	3	2	10	15	0	3	36	50
51	6	2	0	1	0	5	11	0	0	1	60
61	0	6	0	4	0	0	0	13	68	3	70
71	7	0	0	3	90	54	20	16	2	6	80
81	10	6	8	20	0	0	4	4	0	5	90
91	0	1	36	0	2	14	1	0	4	2	100
101	0	5	9	10	23	0	0	0	1	0	110
111	7	0	0	0	0	15	39	17	10	2	120
121	7	0	0	3	0	0	0	0	0	2	130
131	10	0	4	0	2	0	16	0	0	0	140
141	0	0	5	0							

ORIGIN ZONE 64 PURPOSE 1 7811 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	34	0	0	49	142	158	288	11	0	10
11	0	10	0	96	0	0	101	2	18	35	20
21	5	8	4	0	7	10	7	0	0	0	30
31	0	94	54	90	22	6	4	15	5	120	40
41	7	4	9	2	0	31	89	0	69	341	50
51	329	98	78	13	2	17	63	0	5	0	60
61	0	57	15	16	2	7	0	166	1233	50	70
71	255	9	12	29	1176	900	200	131	54	15	80
81	50	48	41	71	4	0	25	5	7	2	90
91	13	0	136	2	5	33	7	4	9	4	100
101	0	11	15	13	113	0	0	0	0	0	110
111	14	0	0	0	0	13	65	8	2	7	120
121	9	0	0	0	0	0	6	2	0	6	130
131	42	0	18	8	0	11	24	7	0	0	140

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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
141	0	0	10	0							

ORIGIN ZONE 64 PURPOSE 2 2192 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	4	0	4	5	21	18	49	0	0	10
11	0	0	0	8	0	0	18	0	10	11	20
21	2	4	2	0	2	0	2	0	0	0	30
31	0	10	7	6	5	4	0	2	3	18	40
41	0	0	0	3	4	9	10	0	0	27	50
51	30	21	6	34	6	12	45	0	2	0	60
61	0	29	10	10	3	5	0	195	413	29	70
71	145	6	7	18	304	201	49	30	17	5	80
81	31	29	14	19	5	0	5	0	5	0	90
91	9	0	40	5	2	10	2	0	0	0	100
101	0	0	0	9	24	0	4	0	0	0	110
111	5	0	0	0	0	4	18	2	0	0	120
121	2	1	0	0	0	0	0	2	0	0	130
131	13	0	2	0	0	0	16	0	0	3	140
141	0	0	3	0							

ORIGIN ZONE 64 PURPOSE 3 323 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	9	0	6	0	16	44	34	0	0	10
11	0	0	0	0	0	0	0	9	0	0	20
21	0	0	0	0	0	0	0	10	0	0	30
31	0	0	0	0	0	0	13	0	0	7	40
41	10	0	0	0	0	0	0	0	0	20	50
51	0	11	0	0	0	0	2	0	3	0	60
61	0	0	0	0	9	4	2	0	0	3	80
71	0	1	0	0	0	0	0	0	0	0	90
81	0	0	8	0	0	0	0	0	0	0	100
91	0	0	5	0	9	0	0	0	0	0	110
101	0	0	0	0	0	1	1	2	0	0	120
111	0	0	0	0	0	0	0	4	0	4	130
121	0	0	0	6	0	7	56	0	0	0	140
131	0	0	0	0							
141	0	0	5	0							

ORIGIN ZONE 64 PURPOSE 4 1263 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	63	0	6	9	25	15	28	4	0	10
11	0	1	0	0	0	0	35	3	16	8	20



MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
21	18	0	0	10	2	5	0	0	0	0	30
31	1	15	5	24	10	0	2	14	0	34	40
41	9	0	4	2	4	10	19	0	2	45	50
51	14	6	0	0	0	2	18	0	0	2	60
61	0	4	5	0	0	0	0	24	85	4	70
71	8	5	0	1	118	68	24	25	7	4	80
81	17	5	13	24	3	0	4	2	1	2	90
91	4	3	45	0	0	19	4	0	4	0	100
101	1	3	10	20	27	0	0	0	0	0	110
111	7	0	0	4	0	17	47	24	13	3	120
121	10	0	0	2	0	0	1	0	0	3	130
131	12	1	1	0	4	2	22	0	0	0	140
141	0	0	4	0							

ORIGIN ZONE 65 PURPOSE 1 1079 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	7	13	0	7	0	0	10
11	0	0	0	58	0	0	10	0	0	9	20
21	0	6	0	0	5	0	7	0	0	0	30
31	0	0	7	0	6	0	0	10	0	8	40
41	0	0	0	6	0	0	0	0	0	9	50
51	17	25	34	6	5	4	6	0	4	0	60
61	2	3	0	2	12	2	0	42	150	3	70
71	60	5	0	5	222	155	15	22	7	0	80
81	8	0	12	18	0	0	0	0	0	0	90
101	0	0	10	2	5	0	0	0	0	0	110
111	7	0	0	0	0	1	4	0	0	0	120
131	17	4	0	0	0	12	0	0	0	0	140
141	0	4	4	0							

ORIGIN ZONE 65 PURPOSE 2 576 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
11	0	8	0	0	0	0	2	0	5	0	20
21	0	1	0	0	0	0	0	0	0	0	30
31	6	12	0	2	0	0	0	7	0	9	40
51	12	0	0	44	0	0	0	0	0	0	60
61	0	6	0	3	32	5	0	0	102	5	70
71	42	3	5	8	68	87	41	6	2	8	80
81	4	0	0	7	0	0	0	0	0	0	90
91	0	0	18	0	0	0	0	0	0	0	100
101	0	0	0	11	0	0	0	0	0	0	110
111	0	0	0	0	0	0	1	0	0	0	120
131	4	0	0	0	0	0	0	0	0	0	140

MATRIX MULTIPLICATION

ORIGIN ZONE 65 PURPOSE 3 10 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
41	0	0	0	18	0	0	0	0	0	0	50

ORIGIN ZONE 65 PURPOSE 4 219 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	17	0	6	2	6	0	2	8	0	10
11	0	0	0	0	0	0	6	0	10	2	20
21	12	0	0	0	0	0	0	0	0	0	30
31	0	4	0	10	0	0	0	0	0	0	40
41	0	0	0	0	0	0	15	0	0	11	50
51	0	0	0	0	0	0	4	0	10	0	60
61	0	0	0	0	0	0	0	0	25	0	70
71	0	0	0	3	10	16	0	0	6	0	80
81	0	0	7	0	0	0	0	0	0	0	90
111	0	0	0	0	0	0	5	0	0	0	120
131	2	0	0	0	0	0	6	0	0	0	140

ORIGIN ZONE 66 PURPOSE 1 5035 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	12	0	0	0	18	11	34	0	0	10
11	0	0	0	0	0	10	11	0	7	34	20
21	0	8	4	10	0	0	0	0	0	0	30
31	0	7	0	30	0	0	2	0	0	10	40
41	5	0	0	0	0	42	21	0	0	34	50
51	56	0	0	5	15	25	19	0	2	11	60
61	0	20	4	9	1	244	0	113	511	11	70
71	269	17	10	12	1784	917	212	122	45	4	80
81	13	0	25	2	4	0	5	0	7	0	90
91	7	0	16	0	0	7	2	0	0	0	100
101	0	0	9	15	27	0	0	0	0	0	110
111	0	0	0	0	0	2	17	0	2	0	120
121	3	0	2	0	0	0	0	0	0	0	130
131	27	0	5	5	2	8	9	0	0	0	140
141	0	2	4	0							

ORIGIN ZONE 66 PURPOSE 2 2072 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	4	0	0	2	0	5	5	0	0	10
11	0	0	0	0	0	0	20	0	0	3	20
31	0	5	2	0	0	6	0	3	0	2	40



MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
41	0	0	3	0	0	0	0	0	0	0	50
51	8	0	10	3	0	13	14	0	0	0	60
61	0	18	8	5	7	129	0	155	181	19	70
71	104	2	10	10	667	430	35	40	32	13	80
81	0	3	8	6	4	0	2	0	0	1	90
91	12	7	6	0	2	6	0	0	0	0	100
101	0	0	0	7	10	0	0	0	0	0	110
111	9	0	0	0	0	2	7	0	0	0	120
131	3	0	0	0	0	0	4	0	0	0	140

ORIGIN ZONE 66 PURPOSE 3 102 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
41	0	0	7	0	0	0	0	0	0	0	50
71	0	0	0	0	14	51	1	0	0	0	80
111	0	0	0	0	0	0	0	0	2	0	120
131	27	0	0	0	0	0	0	0	0	0	140

ORIGIN ZONE 66 PURPOSE 4 967 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	24	0	4	0	10	5	8	0	0	10
11	1	0	0	0	0	0	0	0	5	2	20
21	0	0	0	19	0	0	1	0	0	0	30
31	0	6	0	13	4	0	0	8	0	7	40
41	9	0	8	0	0	17	16	0	0	0	50
51	6	0	0	0	0	0	7	0	17	0	60
61	0	0	0	0	0	24	0	13	39	0	70
71	40	0	3	0	254	261	10	15	0	3	80
81	0	0	0	10	3	0	1	0	0	4	90
91	0	0	6	0	0	4	3	0	0	0	100
101	0	0	0	4	27	0	0	0	0	0	110
111	6	0	0	0	0	13	16	4	2	0	120
121	0	0	2	0	0	0	0	0	0	0	130
131	0	0	3	0	0	0	0	0	0	0	140

ORIGIN ZONE 67 PURPOSE 1 2278 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	2	13	16	0	0	10
11	0	0	0	0	0	0	15	0	0	3	20
21	9	6	0	0	0	0	4	0	0	0	30
31	0	14	0	12	0	0	0	0	0	12	40
51	18	52	0	0	0	5	4	0	0	0	60

MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
61	0	0	0	0	0	0	31	171	679	11	70
71	131	3	20	0	270	171	10	22	0	10	80
81	66	51	28	102	0	0	0	6	3	0	90
91	0	0	80	0	0	30	0	0	4	0	100
101	0	0	12	35	46	0	0	0	0	0	110
111	3	0	0	0	0	7	34	1	0	0	120
121	2	0	0	3	0	0	0	0	0	0	130
131	20	0	0	0	0	0	0	0	0	0	140
141	0	0	3	0	0	0	0	0	0	0	140

ORIGIN ZONE 67 PURPOSE 2 1177 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	12	0	9	0	0	10
11	0	0	0	0	0	0	5	0	0	2	20
21	9	0	0	0	0	0	0	0	0	0	30
31	0	0	0	0	0	2	0	5	0	2	40
51	7	0	0	11	0	7	8	0	2	0	60
61	0	0	0	0	0	0	10	181	378	10	70
71	91	7	14	0	95	48	15	13	0	0	80
81	3	3	11	23	4	0	0	0	0	0	90
91	5	0	41	0	2	11	0	2	0	4	100
101	0	2	8	8	52	0	0	0	0	0	110
111	0	0	0	0	0	2	3	0	0	0	120
131	5	0	0	4	0	0	18	0	0	0	140
141	1	0	0	0	0	0	0	0	0	0	140

ORIGIN ZONE 67 PURPOSE 3 55 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
61	0	0	0	0	0	0	0	0	13	0	70
131	0	0	0	0	0	12	30	0	0	0	140

ORIGIN ZONE 67 PURPOSE 4 701 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	6	0	7	0	0	8	4	0	0	10
11	0	0	0	3	0	0	10	0	0	0	20
21	6	3	0	2	0	0	0	0	0	0	30
31	0	18	0	18	0	0	0	0	0	4	40
41	0	0	0	0	0	4	18	0	0	0	50
51	0	0	0	2	0	0	2	0	0	0	60
61	0	0	0	0	0	0	0	14	138	5	70
71	17	5	0	0	44	41	35	3	7	2	80



MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
81	16	6	0	22	0	0	0	7	0	0	90
91	3	0	47	0	0	13	2	0	4	0	100
101	0	0	6	27	14	0	1	2	0	1	110
111	2	0	0	0	0	26	33	13	10	0	120
121	0	0	0	4	0	2	0	0	0	0	130
131	6	0	0	1	0	0	0	0	0	0	140

ORIGIN ZONE 68 PURPOSE 1 3330 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	6	9	0	0	19	34	14	16	0	10
11	0	0	0	0	0	0	34	0	15	17	20
21	5	0	2	20	0	0	0	0	0	0	30
31	0	0	9	11	0	0	0	0	0	18	40
41	0	0	0	5	0	0	66	0	0	41	50
51	36	9	22	0	120	34	0	92	738	57	60
61	9	578	137	165	43	117	173	172	89	4	70
71	0	3	0	0	6	6	0	26	0	21	80
81	35	38	70	41	9	0	0	0	12	0	90
91	0	12	36	0	0	2	0	0	0	0	100
101	0	8	0	6	11	0	0	0	0	0	110
111	0	0	0	0	0	0	7	0	0	0	120
131	12	0	0	0	0	5	0	0	0	0	140

ORIGIN ZONE 68 PURPOSE 2 3911 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	4	0	0	3	15	0	0	0	0	10
11	0	0	0	0	0	0	0	0	0	16	20
21	8	0	0	0	3	0	0	0	0	0	30
31	0	2	0	13	3	0	0	4	0	5	40
41	2	0	0	0	0	7	3	0	2	0	50
51	9	2	0	14	179	67	6	177	1013	42	60
61	0	653	171	190	0	162	187	470	60	9	70
71	19	0	0	0	0	9	0	13	22	59	80
81	28	63	0	30	19	15	12	10	24	0	90
91	6	9	9	0	0	5	0	0	0	0	100
101	3	0	0	10	3	0	0	0	0	0	110
111	0	0	0	0	0	0	0	4	5	0	120
131	10	0	0	0	0	0	0	0	0	0	140
141	0	0	3	0	0	0	0	0	0	0	

ORIGIN ZONE 68 PURPOSE 3 59 TOTAL ORIG/PROD

MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	5	0	0	0	0	0	0	0	0	10
11	0	0	0	0	0	0	51	0	0	0	20
51	0	0	0	0	0	0	0	2	1	0	60

ORIGIN ZONE 68 PURPOSE 4 794 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	8	0	0	5	9	7	4	0	0	10
11	0	0	0	0	0	0	8	0	3	7	20
21	41	0	0	0	1	0	0	0	0	0	30
31	0	11	11	9	16	3	0	6	0	13	40
41	0	0	0	0	0	3	0	0	0	0	50
51	14	2	0	0	24	6	12	30	260	0	60
61	0	60	10	24	0	18	14	38	11	4	70
71	4	0	0	3	0	0	0	0	0	8	80
81	3	0	12	0	0	0	0	0	10	0	90
91	0	0	6	0	0	0	0	0	0	0	100
101	3	0	0	14	3	0	4	0	0	0	110
111	0	0	0	0	0	1	13	3	1	0	120
131	3	0	3	0	8	0	0	0	0	0	140

ORIGIN ZONE 69 PURPOSE 1 19373 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	34	0	16	88	257	229	431	12	0	10
11	0	5	0	41	0	0	213	28	14	63	20
21	47	9	21	17	13	0	19	3	0	0	30
31	0	125	56	93	69	11	9	7	0	182	40
41	9	0	4	10	0	40	113	0	36	339	50
51	129	8	0	3	304	775	68	295	2870	244	60
61	20	4294	972	1228	146	511	682	91	153	56	70
71	13	0	2	3	63	53	7	12	0	95	80
81	410	587	406	509	52	26	133	11	10	22	90
91	36	21	353	13	9	69	13	2	39	6	100
101	0	11	42	75	232	0	0	0	0	0	110
111	25	0	0	0	0	40	81	10	8	0	120
121	11	0	0	0	0	0	11	8	4	13	130
131	98	0	9	10	6	7	66	0	0	2	140
141	0	0	19	0	0	0	0	0	0	0	

ORIGIN ZONE 69 PURPOSE 2 6944 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	6	0	4	10	60	46	41	0	0	10



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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
11	0	0	0	0	0	0	34	0	21	49	20
21	0	1	0	0	2	0	1	0	0	0	30
31	0	14	0	13	0	4	0	6	0	37	40
41	5	3	4	10	6	2	3	2	0	21	50
51	21	0	2	7	179	263	37	162	1048	69	60
61	11	1402	375	414	104	179	379	60	79	10	70
71	8	5	0	0	27	5	14	26	17	124	80
81	388	237	200	168	0	0	168	8	13	6	90
91	15	0	85	0	2	18	0	0	0	6	100
101	5	0	9	26	37	0	6	0	0	0	110
111	0	0	0	0	0	3	27	6	3	0	120
121	5	0	0	0	4	2	0	1	0	0	130
131	19	0	4	15	0	2	0	0	0	0	140
141	0	0	8	0	0	0	0	0	0	0	

ORIGIN ZONE 69 PURPOSE 3 351 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	25	0	0	0	40	16	26	0	0	10
11	0	0	0	0	0	0	12	0	0	0	20
21	0	0	4	0	0	0	0	0	0	0	30
31	0	0	5	0	0	0	0	0	0	0	40
41	0	0	4	0	0	0	13	0	0	0	50
51	0	9	4	0	0	0	0	0	0	0	60
61	3	0	11	0	0	0	0	0	0	0	70
71	0	0	0	0	3	5	0	0	0	0	80
81	0	0	0	0	3	0	0	0	0	0	90
91	0	0	0	0	0	0	0	0	0	0	100
101	0	0	0	0	0	0	0	0	0	0	110
111	15	0	0	0	0	1	1	0	0	0	120
121	0	0	0	0	0	13	125	0	0	0	130
131	0	0	11	0	0	0	0	0	0	0	140
141	6	0	0	0	0	0	0	0	0	0	

ORIGIN ZONE 69 PURPOSE 4 3593 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	121	0	26	25	42	62	65	3	0	10
11	0	0	0	7	0	0	53	16	18	40	20
21	26	3	0	35	4	0	3	0	0	0	30
31	0	63	22	65	18	1	0	22	0	84	40
41	0	0	19	10	4	28	54	0	0	52	50
51	16	16	0	1	55	62	13	39	321	10	60
61	3	237	69	88	24	38	138	9	35	17	70
71	0	0	0	0	0	0	0	11	27	49	80
81	155	78	175	121	0	5	25	10	0	3	90
91	8	4	102	0	6	26	19	3	10	0	100
101	3	5	12	41	67	0	4	0	0	0	110
111	10	0	0	0	0	60	161	58	38	0	120

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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
121	12	0	0	23	0	0	7	0	0	4	130
131	34	0	12	6	0	2	0	0	0	5	140
141	0	0	4	0	0	0	0	0	0	0	

ORIGIN ZONE 70 PURPOSE 1 1836 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	18	42	47	52	5	0	10
11	0	0	0	32	0	0	38	11	11	32	20
21	0	7	0	0	0	7	0	0	0	0	30
31	0	18	0	0	6	0	0	0	0	10	40
41	0	0	0	0	0	10	60	0	0	0	50
51	16	0	0	0	38	25	3	88	184	8	60
61	4	176	37	52	5	10	11	6	53	7	70
71	8	0	0	0	0	0	0	73	0	61	80
81	59	86	83	37	33	0	12	5	0	0	90
91	15	0	53	0	0	26	0	0	3	0	100
101	0	0	0	16	42	0	0	0	0	0	110
111	7	0	0	0	0	7	16	8	3	0	120
121	0	0	0	0	0	0	0	18	0	0	130
131	25	0	4	0	0	0	0	0	0	0	140
141	0	0	9	0	0	0	0	0	0	0	

ORIGIN ZONE 70 PURPOSE 2 1047 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	2	6	9	21	0	0	10
21	0	0	6	0	4	0	0	0	0	0	30
31	0	0	0	8	0	0	0	0	0	0	40
41	0	0	0	6	0	5	0	0	0	0	50
51	3	4	0	4	27	10	5	52	108	11	60
61	0	101	29	29	5	18	33	5	13	0	70
71	10	0	2	0	0	0	0	28	0	94	80
81	35	29	79	64	23	17	27	3	0	0	90
91	12	0	17	8	1	8	0	4	2	0	100
101	0	0	0	2	9	0	0	0	0	0	110
111	0	0	0	0	0	5	6	3	4	0	120
121	1	0	0	0	0	0	0	0	0	0	130
131	6	0	0	0	0	0	0	0	0	0	140
141	0	0	2	3	0	0	0	0	0	0	

ORIGIN ZONE 70 PURPOSE 3 50 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	6	0	0	5	12	0	0	0	0	10
31	0	0	0	0	0	0	0	0	5	0	40
51	0	0	0	0	0	0	2	0	0	0	60
91	0	0	0	0	0	4	0	0	0	0	100
131	0	0	0	0	0	7	9	0	0	0	140
ORIGIN ZONE 70	PURPOSE 4	744 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	22	0	5	3	27	0	16	0	0	10
11	0	0	0	0	0	0	11	0	5	4	20
21	0	2	5	0	9	0	0	0	0	0	30
31	0	11	9	11	10	0	0	4	0	7	40
41	10	0	10	12	0	0	15	0	2	26	50
51	1	0	0	2	10	0	9	15	112	0	60
61	0	7	1	3	0	0	4	7	15	0	70
71	0	0	0	0	0	0	0	59	0	43	80
81	14	20	53	0	0	0	7	0	0	0	90
91	0	0	22	0	0	6	0	0	0	0	100
101	0	7	0	9	10	0	2	0	0	0	110
111	6	0	0	0	4	7	17	5	6	0	120
121	5	0	0	3	0	0	1	0	0	0	130
131	4	0	4	0	0	0	0	0	0	8	140
ORIGIN ZONE 71	PURPOSE 1	10341 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	14	0	6	48	119	121	205	0	9	10
11	0	0	0	194	0	0	117	9	33	34	20
21	21	0	21	14	7	6	9	0	0	0	30
31	0	78	6	61	5	0	0	28	0	91	40
41	13	0	14	0	0	0	42	0	0	274	50
51	77	0	29	0	97	61	33	88	375	33	60
61	4	889	204	250	59	267	130	0	12	6	70
71	12	0	0	6	13	3	57	689	12	379	80
81	852	533	810	763	103	97	167	38	14	0	90
91	36	17	455	9	0	91	3	4	32	5	100
101	5	15	47	70	230	24	0	27	0	10	110
111	34	0	5	0	0	34	162	14	27	0	120
121	16	4	0	0	0	0	9	0	0	12	130
131	61	0	7	12	2	18	16	0	0	0	140
141	3	0	24	0							
ORIGIN ZONE 71	PURPOSE 2	5413 TOTAL ORIG/PROD									

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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	15	13	32	21	6	0	10
11	0	5	0	0	0	5	25	0	24	10	20
21	10	0	0	6	0	0	1	0	0	0	30
31	0	22	2	20	4	0	0	0	0	25	40
41	0	0	1	0	0	0	8	0	18	19	50
51	21	21	0	20	36	52	22	51	293	0	60
61	9	482	126	144	42	106	87	23	9	7	70
71	28	0	0	3	9	0	16	247	0	493	80
81	520	362	287	656	65	0	202	14	50	7	90
91	30	4	180	0	9	37	7	2	11	0	100
101	15	10	5	22	79	0	3	0	0	0	110
111	10	0	0	7	0	21	49	3	2	0	120
121	12	0	0	0	0	6	16	0	0	10	130
131	39	0	3	5	0	0	0	0	0	0	140
141	0	0	9	4							
ORIGIN ZONE 71	PURPOSE 3	271 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	8	0	0	0	0	7	27	0	0	10
21	0	0	0	7	0	0	0	0	0	0	30
31	0	16	0	0	0	0	0	0	0	0	40
41	6	14	0	0	0	0	0	26	0	0	50
51	0	6	2	0	0	0	0	0	0	0	60
61	9	0	5	0	8	0	0	0	0	0	70
71	0	0	0	0	0	0	4	164	0	157	80
81	188	212	143	134	27	0	97	11	5	2	90
91	19	0	73	0	5	70	8	0	19	11	100
101	6	18	12	79	60	0	11	1	0	0	110
111	31	0	0	0	0	66	136	91	60	0	120
121	10	3	1	0	4	8	5	0	0	1	130
ORIGIN ZONE 71	PURPOSE 4	1079 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	70	3	1	26	33	17	39	0	0	10
11	0	0	0	3	0	0	58	1	21	42	20
21	16	4	3	17	0	0	0	0	0	0	30
31	0	74	28	34	26	5	2	12	11	74	40
41	0	3	0	9	8	0	14	0	14	16	50
51	12	0	0	2	35	0	7	0	163	0	60
61	0	20	6	9	0	42	17	4	0	0	70
71	0	0	0	0	0	0	4	164	0	157	80
81	188	212	143	134	27	0	97	11	5	2	90
91	19	0	73	0	5	70	8	0	19	11	100
101	6	18	12	79	60	0	11	1	0	0	110
111	31	0	0	0	0	66	136	91	60	0	120
121	10	3	1	0	4	8	5	0	0	1	130



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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
131	62	2	1	3	0	6	32	0	0	0	140
141	0	0	4	0							
ORIGIN ZONE 72	PURPOSE 1	3044 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	11	7	0	34	0	0	10
11	0	0	0	124	0	0	53	0	0	32	20
21	0	0	11	0	0	0	0	0	0	0	30
31	0	19	0	22	13	0	0	0	0	0	40
41	0	0	0	0	0	0	16	0	0	0	50
51	17	0	0	0	0	36	33	7	36	0	60
61	0	11	6	6	8	19	6	3	3	0	70
71	4	0	0	0	3	0	20	124	0	503	80
81	423	122	441	167	53	23	291	0	10	9	90
91	10	0	136	3	0	9	6	3	0	0	100
101	0	0	0	3	50	0	0	0	0	0	110
111	0	0	0	0	0	0	36	11	0	0	120
121	5	0	0	0	0	0	0	0	0	7	130
131	0	0	0	0	5	9	0	0	0	0	140
141	0	0	3	0							
ORIGIN ZONE 72	PURPOSE 2	1266 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	7	0	5	3	3	0	10
11	0	0	0	0	0	0	7	0	0	0	20
21	0	4	0	0	0	0	0	0	0	0	30
31	0	0	0	0	0	0	7	0	21	0	40
41	5	0	0	0	0	0	5	0	4	0	50
51	0	20	3	8	6	2	0	0	0	0	60
61	0	0	0	0	0	0	0	42	0	332	70
71	3	0	0	0	0	0	0	3	0	0	80
81	157	114	123	157	71	0	92	3	0	0	90
91	5	0	29	0	0	0	0	0	0	0	100
101	0	0	0	0	7	0	0	0	0	0	110
111	0	0	0	0	0	3	2	0	0	0	120
121	0	0	0	0	7	0	0	0	0	0	130
131	9	0	0	0	0	0	0	0	0	0	140
ORIGIN ZONE 72	PURPOSE 3	23 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
81	9	0	9	0	0	0	0	0	0	0	90
111	0	0	0	0	0	0	0	0	5	0	120

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ORIGIN ZONE 72	PURPOSE 4	867 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	0	10	5	0	0	10
11	0	0	0	0	0	0	6	0	0	0	20
21	5	0	0	0	0	0	0	0	0	0	30
31	0	0	0	0	0	0	0	0	0	12	40
41	0	0	0	0	0	9	30	0	27	0	50
51	0	2	4	0	0	0	5	0	0	0	60
61	0	0	0	0	0	0	0	32	0	89	70
71	0	0	0	0	0	0	0	0	0	0	80
81	57	97	58	73	19	13	60	0	0	0	90
91	14	4	25	2	5	7	16	0	5	0	100
101	0	0	0	2	82	0	0	0	0	0	110
111	5	0	0	0	0	0	67	6	6	0	120
131	6	0	0	2	0	0	0	0	0	0	140
ORIGIN ZONE 73	PURPOSE 1	1176 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	13	3	13	0	0	10
11	0	0	0	0	0	0	4	0	5	0	20
21	8	0	0	0	0	0	0	0	0	0	30
31	0	0	7	7	0	0	0	0	0	14	40
41	0	0	0	0	17	6	5	0	15	0	50
51	0	102	24	28	0	12	18	0	4	0	60
61	0	0	0	0	0	8	21	754	0	15	70
71	0	0	0	0	0	0	18	0	0	0	80
81	65	14	13	17	0	10	18	0	0	0	90
91	9	0	56	0	0	11	0	0	0	2	100
101	0	4	0	12	16	0	0	0	0	0	110
111	0	0	0	0	0	0	13	0	0	0	120
131	9	0	0	0	0	0	0	0	0	0	140
141	0	0	5	0							
ORIGIN ZONE 73	PURPOSE 2	749 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	0	13	0	0	0	10
31	0	0	0	2	0	0	0	0	0	0	40
51	0	0	0	0	0	0	6	13	4	0	60
61	0	24	10	3	4	12	11	3	0	2	70
71	0	0	0	0	0	2	4	454	8	31	80
81	51	12	20	0	0	0	0	0	0	1	90
91	11	0	15	0	0	0	0	0	0	0	100
101	0	0	0	0	6	0	0	0	0	0	110
111	0	0	0	0	0	4	11	0	0	0	120
131	12	0	0	0	0	0	0	0	0	0	140



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ORIGIN ZONE	73	PURPOSE	3	3 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
51	0	0	0	0	0	0	3	0	0	0	60	

ORIGIN ZONE	73	PURPOSE	4	193 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1	0	2	0	3	0	0	2	0	0	0	10	
31	0	0	0	0	0	3	0	0	0	7	40	
41	0	0	0	0	0	0	0	0	0	3	50	
51	1	0	0	0	0	3	0	0	5	0	60	
61	0	0	0	0	0	3	0	0	0	0	70	
71	0	0	0	0	0	0	0	91	0	0	80	
81	23	7	6	0	0	0	2	0	0	2	90	
91	0	0	6	0	0	0	0	0	0	0	100	
101	0	0	0	0	5	0	0	0	0	0	110	
111	0	0	0	0	0	0	11	1	1	0	120	
121	2	0	0	0	0	0	0	0	0	0	130	
131	7	0	1	0	0	0	0	0	0	0	140	

ORIGIN ZONE	74	PURPOSE 1		3244 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1	0	0	0	13	3	18	13	7	0	0	10	
11	0	0	0	13	0	0	24	0	0	7	20	
21	0	0	16	0	0	0	0	0	0	0	30	
31	0	0	6	9	0	0	8	15	0	6	40	
41	0	0	0	0	0	0	0	0	0	9	50	
51	17	0	0	0	6	20	3	0	61	0	60	
61	0	97	24	25	8	12	0	0	2	0	70	
71	7	0	0	7	0	0	0	57	0	223	80	
81	731	166	562	336	82	13	200	14	0	0	90	
91	34	0	102	7	8	23	0	0	0	3	100	
101	0	0	0	7	72	0	0	0	0	0	110	
111	18	0	0	0	0	5	23	0	5	0	120	
121	0	0	3	0	0	0	17	0	0	0	130	
131	22	0	4	0	0	0	0	0	0	0	140	
141	0	4	9	0								

ORIGIN ZONE	74	PURPOSE		2		1659 TOTAL ORIG/PROD							
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
11		0	0	0	0	0	0	10	0	4	0	20	
21		4	0	0	0	0	0	0	0	0	0	30	

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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
41	0	0	1	0	0	0	0	0	0	0	50
51	3	0	0	19	0	0	13	0	5	14	60
61	0	52	14	15	5	7	0	0	0	0	70
71	5	0	0	5	0	0	0	66	9	189	80
81	379	147	207	102	40	10	72	1	4	0	90
91	6	0	102	0	5	18	2	0	0	0	100
101	0	7	0	8	37	0	0	0	0	0	110
111	0	0	0	0	0	13	24	0	0	0	120
121	6	0	0	0	0	0	0	0	0	12	130
131	15	0	7	0	0	0	0	0	0	0	140

ORIGIN ZONE	74	PURPOSE 3		21 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
81	0	0	0	1	0	0	0	0	0	0	90	
101	0	0	0	0	0	0	20	0	0	0	110	

ORIGIN ZONE	74	PURPOSE	4	635 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1	0	3	0	0	0	0	5	3	0	0	10	
11	0	0	0	0	0	0	18	0	0	12	20	
21	0	0	0	14	0	0	19	0	0	1	30	
31	0	0	0	6	0	0	0	0	0	0	40	
41	0	0	0	8	6	0	0	0	0	0	50	
51	2	0	0	0	0	0	4	0	12	0	60	
61	0	5	1	2	4	0	0	2	0	0	70	
71	0	0	0	0	0	2	0	28	0	17	80	
81	84	51	66	41	4	0	24	2	1	0	90	
91	7	2	34	0	4	4	4	0	0	0	100	
101	0	3	0	5	21	0	0	0	0	0	110	
111	2	0	0	0	0	0	54	13	8	0	120	
121	0	0	0	0	0	3	0	0	0	0	130	
131	8	0	0	3	1	4	8	0	0	0	140	

ORIGIN ZONE	75	PURPOSE	1	11839 TOTAL ORIG/PROD								
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1		0	14	0	0	42	71	137	7	17	0	10
11		0	0	0	29	0	0	12	0	11	17	20
21		0	7	0	0	0	0	0	0	9	0	30
31		23	21	0	28	0	6	0	63	0	18	40
41		0	0	0	0	0	17	0	0	20	0	50
51		36	40	13	0	85	401	101	73	269	124	60



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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
61	44	4102	928	1162	228	1789	268	6	63	0	70
71	13	4	0	0	815	126	55	125	60	9	80
81	29	46	80	0	0	0	13	5	0	0	90
91	3	0	20	0	3	0	0	0	12	0	100
101	2	0	0	11	41	0	0	0	0	0	110
111	0	0	0	0	0	5	7	3	2	0	120
131	11	0	0	8	0	0	0	0	0	4	140
ORIGIN ZONE	75	PURPOSE 2	3305 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	0	7	7	0	0	10
11	0	0	0	3	0	0	13	0	2	0	20
31	0	3	0	0	1	0	0	5	0	10	40
41	0	0	0	0	0	0	0	0	0	3	50
51	5	3	0	0	37	115	0	7	53	12	60
61	34	1018	272	307	69	668	90	0	26	0	70
71	9	0	0	0	289	48	6	96	0	0	80
81	0	7	27	0	0	0	8	0	0	2	90
91	0	6	10	0	2	0	0	0	4	0	100
101	0	0	0	2	12	0	0	0	0	0	110
111	0	0	0	0	0	0	0	3	2	0	120
131	0	0	0	0	0	0	4	0	0	0	140
ORIGIN ZONE	75	PURPOSE 3	109 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	53	7	0	0	0	10
31	0	0	0	0	0	0	0	0	0	6	40
61	0	15	4	4	0	12	0	0	0	0	70
71	0	0	0	0	5	0	0	0	0	0	80
111	0	0	0	0	0	1	0	0	0	0	120
131	0	0	0	0	0	2	0	0	0	0	140
ORIGIN ZONE	75	PURPOSE 4	1574 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	39	0	0	0	15	65	4	9	0	10
11	0	0	0	3	0	0	5	0	0	0	20
21	0	0	0	0	0	5	0	0	5	0	30
31	0	0	6	7	0	3	0	7	0	0	40
41	7	0	0	0	0	0	2	0	0	9	50
51	0	0	4	0	55	145	21	19	82	35	60
61	0	324	90	122	12	255	44	0	0	0	70

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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
71	10	0	0	0	51	7	8	0	0	12	80
81	19	0	19	0	0	0	0	7	0	0	90
91	0	0	0	0	1	4	0	0	0	0	100
101	0	0	0	2	4	0	0	0	0	0	110
111	0	0	0	1	0	0	1	10	8	0	120
121	0	2	0	0	0	0	0	0	0	0	130
131	8	0	2	0	0	0	0	0	0	0	140
ORIGIN ZONE	76	PURPOSE 1	8706 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	21	0	0	52	141	250	38	18	0	10
11	0	0	0	0	0	9	49	0	0	55	20
21	20	12	0	15	10	0	10	0	0	0	30
31	0	72	18	34	0	6	0	17	0	48	40
41	0	0	7	5	0	0	0	0	9	41	50
51	28	46	21	0	90	351	34	12	164	35	60
61	22	3133	715	899	154	926	171	6	50	0	70
71	3	0	7	0	125	74	56	0	12	12	80
81	75	38	86	0	0	23	11	5	9	0	90
91	2	0	73	0	7	38	6	0	8	12	100
101	0	0	0	0	24	0	0	0	0	0	110
111	6	0	0	0	0	14	50	5	12	0	120
121	11	0	0	0	0	0	3	0	0	0	130
131	12	0	38	0	0	16	27	0	0	0	140
141	0	0	8	0	0	0	0	0	0	0	140
ORIGIN ZONE	76	PURPOSE 2	2335 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	5	0	0	3	8	22	0	0	0	10
11	0	0	0	0	0	0	0	0	6	11	20
21	2	0	5	1	2	0	0	0	0	0	30
31	0	11	0	3	0	0	4	0	0	11	40
41	0	0	0	0	0	0	0	0	0	4	50
51	4	0	0	8	7	117	30	18	58	32	60
61	13	691	187	200	87	428	48	6	6	0	70
71	0	0	2	0	49	0	18	0	0	9	80
81	45	0	62	0	0	0	0	6	4	0	90
91	0	3	41	0	0	13	4	0	0	0	100
101	0	0	0	0	15	0	0	0	0	0	110
111	0	0	0	0	0	0	12	0	0	0	120
121	1	0	0	0	0	0	0	0	0	0	130
131	8	0	5	0	0	0	0	0	0	0	140



ORIGIN ZONE	76	PURPOSE	1	235 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE		
1	0	7	0	0	0	40	0	24	0	0	10		
11	0	0	0	0	0	0	10	0	0	0	20		
31	0	0	0	16	0	0	0	0	0	28	40		
61	0	24	6	10	0	44	0	0	0	0	70		
101	0	0	0	0	6	0	0	0	0	0	110		
121	0	0	0	0	0	2	0	0	0	0	130		
131	18	0	0	0	0	0	0	0	0	0	140		

ORIGIN ZONE	76	PURPOSE	4	1503 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE		
1	0	35	0	0	4	27	13	6	5	0	10		
11	0	0	0	0	0	0	36	0	4	4	20		
21	7	8	2	0	0	0	0	0	0	0	30		
31	0	28	2	24	18	0	1	4	0	29	40		
41	0	0	0	13	0	0	5	0	0	0	50		
51	0	19	5	1	23	44	4	0	124	24	60		
61	34	183	51	67	35	262	36	0	0	0	70		
71	0	0	0	4	6	0	4	20	0	0	80		
81	52	16	17	10	4	0	4	12	3	0	90		
91	7	3	23	0	1	7	0	0	4	9	100		
101	0	5	0	12	6	0	5	0	0	0	110		
111	0	0	0	0	0	7	18	8	0	0	120		
121	3	0	0	0	0	0	5	3	0	0	130		
131	3	0	6	0	1	0	0	3	0	0	140		
141	0	0	1	0									

ORIGIN ZONE	77	PURPOSE	1	5595 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE		
1	0	0	0	15	39	80	124	90	16	0	10		
11	0	0	0	0	0	0	29	0	8	19	20		
21	0	14	0	0	7	0	32	0	0	0	30		
31	0	0	0	27	0	6	0	25	0	20	40		
41	5	7	0	0	0	36	31	0	8	18	50		
51	20	0	15	8	21	103	60	52	42	17	60		
61	27	704	160	202	15	211	18	0	7	0	70		
71	58	16	20	0	54	59	2612	13	12	0	80		
81	16	3	8	3	7	0	5	3	0	0	90		
91	28	9	38	0	7	18	0	0	7	0	100		
101	8	0	0	0	13	9	0	0	0	21	110		
111	9	0	0	0	7	10	26	0	6	0	120		
131	39	0	21	0	5	2	69	0	0	0	140		

ORIGIN ZONE	77	PURPOSE	2	1636 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE		
1	0	4	0	0	10	13	23	0	0	0	10		
11	0	0	5	0	0	0	10	0	0	0	20		
31	0	0	0	3	0	7	0	3	0	10	40		
41	1	0	0	0	0	0	0	0	0	8	50		
51	1	0	0	9	2	19	33	2	0	0	60		
61	5	151	41	45	41	34	17	0	14	0	70		
71	14	0	2	0	7	18	1020	6	11	0	80		
81	10	5	0	0	3	0	0	0	0	1	90		
91	5	0	8	11	0	0	3	0	0	0	100		
101	0	0	5	0	0	0	0	0	0	0	110		
111	0	0	0	0	0	3	13	0	0	0	120		

ORIGIN ZONE	77	PURPOSE	3	410 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE		
1	0	0	0	0	0	60	37	0	0	0	10		
11	0	0	0	0	0	0	165	0	0	8	20		
21	0	12	0	0	0	0	21	0	0	0	30		
31	0	8	0	0	0	12	0	0	0	13	40		
41	10	0	0	0	0	0	0	8	0	0	50		
61	0	8	2	4	0	1	0	0	0	0	70		
71	0	0	0	0	0	0	14	2	0	0	80		
91	0	0	2	0	0	0	0	0	0	0	100		
111	0	0	2	0	0	11	0	0	0	0	120		
131	0	0	0	0	0	18	0	0	0	0	140		

ORIGIN ZONE	77	PURPOSE	4	812 TOTAL ORIG/PROD							
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	16	0	0	8	75	59	18	0	0	10
11	0	3	0	0	0	0	10	0	0	0	20
21	0	0	0	0	0	2	0	0	0	0	30
31	1	5	0	14	0	0	0	7	0	17	40
41	11	0	0	4	0	4	14	0	0	0	50
51	0	0	2	3	17	9	7	0	42	0	60
61	6	74	19	28	0	7	35	0	0	0	70
71	6	0	0	0	8	3	148	2	1	0	80
81	7	2	10	0	0	0	0	3	0	5	90
91	0	0	4	0	3	0	7	0	0	0	100
101	0	0	1	9	7	0	0	0	0	0	110
111	1	0	0	0	0	9	32	1	0	0	120
121	7	0	0	0	0	0	4	0	0	0	130
131	7	0	0	0	0	0	0	0	0	0	140



ORIGIN ZONE	78	PURPOSE	1	5078 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1		0	29	0	0	34	44	66	28	7	0	10	
11		0	0	0	0	0	0	14	22	19	23	20	
21		0	5	14	0	0	0	8	0	0	0	30	
31		0	0	0	45	0	0	0	15	0	17	40	
41		0	0	5	0	0	0	19	0	0	0	50	
51		22	0	25	6	10	40	3	17	32	8	60	
61		15	440	101	127	22	123	20	26	11	73	70	
71		677	138	754	71	124	0	10	4	0	15	80	
81		70	41	737	64	8	0	37	3	9	0	90	
91		85	16	264	7	8	38	11	0	6	5	100	
101		9	0	0	29	129	0	0	0	0	0	110	
111		11	0	0	0	15	13	87	16	5	4	120	
121		6	0	0	0	0	0	14	0	10	0	130	
131		21	0	12	0	0	2	6	0	0	0	140	
141		0	0	12	0	0							

ORIGIN ZONE	78	PURPOSE	2	1874 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1		0	0	0	0	7	0	0	0	0	0	10	
11		0	0	0	0	0	0	0	0	0	4	20	
21		0	8	4	0	0	0	0	0	0	0	40	
31		0	0	0	0	0	0	4	0	0	0	50	
41		0	0	0	0	0	0	0	0	0	0	60	
51		1	0	0	8	0	14	0	2	16	0	70	
61		3	102	27	29	5	40	8	13	25	40	80	
71		246	56	455	66	84	0	4	6	6	5	90	
81		49	15	247	36	0	0	10	0	12	0	100	
91		38	18	53	0	2	14	0	0	0	2	110	
101		2	0	3	8	26	0	0	0	0	0	120	
111		3	0	0	0	0	3	14	6	4	0	130	
121		3	0	0	0	3	0	4	2	0	0	140	
131		8	0	0	0	0	0	0	0	0	0		

ORIGIN ZONE	78	PURPOSE	3	167 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1		0	25	0	0	0	9	5	0	0	0	10	
11		0	0	0	0	0	0	32	0	14	0	20	
21		0	0	17	0	0	0	0	11	0	0	30	
31		0	4	2	2	0	0	0	0	0	0	40	
41		0	0	1	0	0	0	3	0	0	0	50	
51		0	0	18	0	0	0	0	0	0	0	60	
61		0	0	0	0	0	0	0	0	0	0	70	
71		2	0	0	0	0	0	0	0	0	0	80	
81		0	0	0	0	0	0	0	0	0	0	90	
91		0	0	18	0	0	0	0	0	0	0	100	
101		2	0	0	0	0	0	0	0	0	0	110	

TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
111		0	0	0	0	0	0	0	2	0	5	120	
121		5	0	0	0	0	0	3	0	0	7	130	

ORIGIN ZONE	78	PURPOSE	4	975 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1		0	0	0	2	0	15	4	4	0	0	10	
11		0	0	0	0	0	0	0	0	11	0	20	
21		0	7	0	4	0	0	0	0	0	0	30	
31		0	0	0	0	0	0	1	0	0	16	40	
41		0	0	0	0	0	0	0	0	0	0	50	
51		4	8	0	0	0	4	0	0	1	0	60	
61		7	62	18	24	0	14	4	0	10	49	70	
71		160	28	88	25	0	15	0	0	0	0	80	
81		20	11	159	9	2	0	7	6	0	5	90	
91		25	5	30	0	0	3	4	1	10	1	100	
101		0	5	0	3	1	0	10	2	0	0	110	
111		6	0	0	0	0	7	23	8	5	0	120	
121		7	0	0	0	0	0	2	5	0	0	130	
131		0	2	0	1	0	0	0	0	0	0	140	
141		0	0	2	0	0							

ORIGIN ZONE	79	PURPOSE	1	822 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1		0	6	0	0	0	24	18	29	2	0	10	
11		0	0	0	0	0	0	0	0	9	4	20	
21		9	14	0	15	0	0	0	14	0	13	30	
31		0	0	10	0	0	0	0	0	0	24	40	
41		0	0	0	0	0	0	0	0	0	0	50	
51		0	0	0	0	9	16	3	6	9	0	60	
61		0	190	41	56	7	43	0	0	0	0	70	
71		12	0	0	0	59	12	12	0	19	3	80	
81		8	12	11	6	0	0	0	0	0	5	90	
91		9	0	20	0	0	11	2	0	0	0	100	
101		6	0	0	0	0	0	0	0	0	0	110	
111		0	0	0	0	0	1	13	0	0	0	120	
121		0	0	0	0	0	0	10	0	0	0	130	
131		4	0	0	0	0	5	0	4	0	0	140	
141		4	0	3	0								

ORIGIN ZONE	79	PURPOSE	2	307 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1		0	0	0	0	0	8	0	0	0	0	10	
11		0	0	0	0	12	0	8	0	0	5	20	



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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
21	0	0	0	0	2	0	0	0	0	0	30
31	0	0	0	3	0	0	0	0	0	2	40
51	0	0	0	0	0	10	2	0	10	0	60
61	7	50	13	17	3	32	0	11	15	0	70
71	0	0	7	12	0	0	9	7	0	0	80
81	2	2	8	3	0	0	0	0	0	0	90
91	3	0	6	0	3	4	2	0	0	0	100
101	4	0	0	0	6	0	0	0	0	0	110
111	2	0	0	0	0	0	8	0	0	0	120
131	0	0	0	0	0	0	6	0	0	0	140
141	0	0	3	8	0	0	0	0	0	0	
ORIGIN ZONE 79	PURPOSE 3	61 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	0	8	0	0	0	10
11	0	47	0	0	0	0	0	0	0	0	40
81	0	1	0	1	0	0	0	0	0	0	90
101	0	0	0	0	4	0	0	0	0	0	110
ORIGIN ZONE 79	PURPOSE 4	135 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	2	0	0	0	7	2	7	0	0	10
11	0	0	0	0	0	0	0	0	0	1	20
31	0	4	0	0	0	0	0	0	0	0	40
51	0	0	0	0	5	0	0	0	0	0	60
61	0	2	3	1	6	0	0	0	28	0	70
71	0	0	0	0	0	0	3	0	0	0	80
81	1	0	3	0	0	0	2	0	0	0	90
91	4	0	0	0	0	0	0	0	0	0	100
101	0	0	0	0	2	0	0	2	0	0	110
111	0	0	0	0	0	0	13	3	4	0	120
131	0	0	0	1	0	0	5	0	0	0	130
ORIGIN ZONE 80	PURPOSE 1	1770 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	15	0	2	13	11	3	0	0	10
11	0	0	0	0	0	8	26	0	7	27	20
21	0	4	11	0	0	0	0	0	0	0	30
31	0	5	0	4	0	0	0	0	0	0	40
51	0	15	0	0	9	13	0	2	5	0	60
61	0	55	13	13	2	8	10	19	85	73	70

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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
71	379	499	9	225	9	9	0	16	2	4	80
81	34	0	0	2	0	0	0	12	0	0	90
91	7	0	16	0	5	11	0	4	0	2	100
101	0	0	0	0	21	0	0	0	0	0	110
111	0	0	0	0	0	2	0	0	0	9	120
131	15	0	0	0	0	0	0	0	0	0	140
ORIGIN ZONE 80	PURPOSE 2	1561 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	8	7	2	0	0	10
11	0	0	0	6	0	0	9	0	0	3	20
21	0	4	0	0	0	0	0	0	0	0	30
31	0	0	0	2	2	0	0	0	0	0	40
41	0	0	0	0	0	3	0	0	0	0	50
51	1	0	0	0	9	18	0	0	8	0	60
61	0	35	8	10	7	14	0	45	117	83	70
71	485	332	31	180	0	25	0	5	0	4	80
81	22	0	0	0	2	0	2	4	0	2	90
91	0	0	27	0	0	0	0	0	0	0	100
101	4	0	0	4	0	0	0	0	0	0	110
131	8	0	0	3	0	0	0	0	0	0	140
ORIGIN ZONE 80	PURPOSE 3	27 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
11	0	0	0	0	0	0	13	0	0	0	20
41	8	0	0	0	0	0	0	0	0	0	30
61	0	2	0	0	0	0	0	0	0	0	40
111	0	0	0	0	0	1	0	0	0	0	120
121	3	0	0	0	0	0	0	0	0	0	130
ORIGIN ZONE 80	PURPOSE 4	602 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	5	0	7	10	5	0	10
11	0	0	0	0	0	0	18	0	0	0	20
22	20	0	0	0	0	0	0	0	0	0	30
31	0	0	4	0	13	0	0	0	0	2	40
41	0	0	0	0	0	0	3	0	0	0	50
51	0	0	0	0	13	0	2	2	54	2	60
61	0	15	2	6	0	6	2	4	44	48	70
71	151	81	0	16	12	0	2	0	0	0	80
81	4	0	0	9	0	0	8	0	0	0	90



MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
91	0	0	12	0	0	0	0	0	0	0	100
101	0	0	0	2	4	0	0	0	0	0	110
111	0	0	0	0	0	0	13	1	0	0	120
131	0	0	4	0	0	0	0	0	0	0	140
ORIGIN ZONE 81	PURPOSE 1 4687 TOTAL ORIG/PROD										
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	10	0	3	15	30	19	88	2	0	10
11	0	0	5	0	0	0	31	0	8	26	20
21	15	2	0	0	0	0	3	6	0	0	30
31	0	10	21	13	14	0	0	0	0	11	40
41	0	0	0	0	0	0	13	0	0	75	50
51	7	0	0	0	0	65	3	10	100	4	60
61	0	166	40	48	8	11	65	34	411	56	70
71	871	407	56	732	32	63	15	70	6	36	80
81	136	11	7	2	2	0	6	24	15	0	90
91	48	0	275	0	16	43	0	0	7	6	100
101	5	0	30	62	107	0	0	0	0	9	110
111	9	0	0	0	12	12	54	2	0	0	120
121	0	0	0	0	0	0	25	0	0	0	130
131	0	0	0	0	6	4	5	0	0	0	140
141	0	0	7	0							
ORIGIN ZONE 81	PURPOSE 2 2538 TOTAL ORIG/PROD										
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	1	0	0	6	5	7	3	0	0	10
11	0	0	0	0	0	0	21	0	0	0	20
21	0	5	0	3	1	0	0	5	0	0	40
31	0	0	0	0	0	2	8	0	0	2	50
41	0	0	0	0	0	35	5	9	64	15	60
51	1	0	0	4	0	0	2	46	370	32	70
61	0	99	28	29	3	0	12	48	1	20	80
71	518	149	56	180	0	33	9	4	13	0	90
81	138	8	0	4	0	0	4	5	13	2	100
91	30	0	153	0	3	17	3	0	0	0	110
101	0	0	14	11	17	0	18	3	1	0	120
111	4	0	0	0	2	0	2	0	0	0	130
121	5	0	0	0	0	0	0	0	0	0	140
131	15	0	0	0	0	0	6	0	0	0	
ORIGIN ZONE 81	PURPOSE 3 115 TOTAL ORIG/PROD										
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE

MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	0	41	23	0	0	10
11	0	0	0	15	0	0	0	0	0	0	40
21	0	0	0	0	0	0	0	0	17	0	70
31	0	0	0	1	0	0	0	0	0	0	80
41	0	2	0	0	0	0	0	2	0	0	90
51	0	0	2	0	2	0	0	0	0	0	100
61	0	0	0	0	0	0	10	0	0	0	140
ORIGIN ZONE 61	PURPOSE 4 1550 TOTAL ORIG/PROD										
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	26	0	0	4	9	19	4	0	0	10
11	0	0	0	0	0	0	16	0	6	1	20
21	0	0	0	0	0	0	0	0	0	0	30
31	0	10	7	4	5	0	0	0	0	13	40
41	0	0	0	0	0	15	3	9	20	0	60
51	0	0	12	16	0	0	14	12	154	10	70
61	0	40	24	91	18	52	7	19	2	0	80
71	193	56	0	0	0	0	3	28	0	0	90
81	15	0	0	0	0	0	6	0	31	9	100
91	12	0	172	0	3	26	0	0	0	0	110
101	0	5	14	38	39	2	6	0	0	0	120
111	23	0	0	0	0	51	43	32	19	0	130
121	4	0	0	4	0	0	4	0	0	2	140
131	17	0	1	0	2	0	6	0	0	0	
141	0	0	6	0							
ORIGIN ZONE 82	PURPOSE 1 1466 TOTAL ORIG/PROD										
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	6	0	0	7	35	11	41	2	0	10
11	0	0	0	0	0	0	43	0	13	6	20
21	0	0	5	0	0	0	0	0	0	0	30
31	0	5	0	16	0	0	0	11	0	22	40
41	0	0	0	0	8	33	3	0	78	0	60
51	0	0	39	46	0	0	31	49	566	89	70
61	9	165	15	178	32	46	3	45	15	0	80
71	538	122	0	0	0	0	0	41	22	20	90
81	10	0	0	0	0	0	7	0	25	0	100
91	42	3	582	6	31	33	0	0	0	0	110
101	15	0	0	20	101	0	0	0	0	0	120
111	7	0	0	0	0	5	32	7	0	0	130
121	2	0	0	2	0	0	0	0	0	0	140
131	35	0	10	16	0	0	0	0	0	0	
141	4	0	5	0							



ORIGIN ZONE	82	PURPOSE 2		1980 TOTAL ORIG/PROD							
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	6	7	0	2	0	0	10
11	0	0	0	0	0	0	0	0	11	2	20
21	0	3	0	0	0	0	0	0	0	0	30
31	0	0	2	0	1	0	0	0	0	0	40
41	0	0	0	0	0	0	1	0	0	3	50
51	0	0	0	0	15	29	0	0	21	0	60
61	0	103	27	28	0	4	4	55	232	30	70
71	356	114	11	145	7	0	5	16	4	0	80
81	8	0	0	0	0	0	0	5	3	1	90
91	31	2	199	0	2	23	0	4	0	10	100
101	0	0	0	0	21	0	1	0	0	0	110
111	0	0	0	7	0	0	3	3	4	0	120
121	4	0	0	0	0	0	0	0	0	0	130
141	0	0	1	0							

ORIGIN ZONE	82	PURPOSE		59 TOTAL ORIG/PROD							
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
41	0	0	0	0	0	0	0	0	0	0	50
61	0	7	0	3	0	0	0	0	0	0	70
71	12	0	0	0	0	0	0	0	3	0	80
81	0	0	2	0	0	0	0	0	0	0	90
91	0	0	6	0	0	0	0	0	0	0	100
101	0	0	0	0	13	0	0	0	0	0	110
111	0	0	0	0	0	0	1	0	0	0	120
121	0	0	0	0	0	0	2	0	0	0	130

ORIGIN ZONE	82	PURPOSE	4	851 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE		
1	2	1	0	0	7	0	8	7	4	0	10		
11	0	0	0	0	0	0	9	0	15	3	20		
21	4	0	0	0	0	0	0	0	0	0	30		
31	0	0	0	0	0	0	0	0	0	12	40		
41	2	0	4	0	0	0	0	0	0	0	50		
51	1	0	0	0	6	4	0	7	16	3	60		
61	0	18	6	4	0	0	8	0	76	25	70		
71	204	98	6	44	0	16	2	9	0	0	80		
81	0	0	0	1	0	0	0	24	0	0	90		
91	10	5	61	0	3	23	3	1	0	2	100		
101	2	0	4	36	7	0	0	0	0	0	110		
111	6	0	0	0	0	5	8	4	0	0	120		
121	3	2	0	0	0	0	0	0	0	0	130		

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
131	2	0	4	0	0	0	0	0	0	0	140

ORIGIN ZONE	83	PURPOSE 1		6079 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE		
1	0	0	0	0	20	49	62	46	6	0	10		
11	0	0	0	0	0	8	44	11	10	61	20		
21	24	6	4	0	0	0	7	0	0	0	30		
31	0	5	16	13	5	0	0	0	0	29	40		
41	0	0	0	10	0	8	0	0	0	0	50		
51	7	22	0	3	8	40	13	31	46	0	60		
61	0	144	34	42	11	22	25	69	397	83	70		
71	813	414	29	565	69	99	6	738	11	0	80		
81	9	0	54	0	0	0	5	51	31	18	90		
91	448	42	709	9	18	70	0	13	7	8	100		
101	12	7	13	46	88	0	37	0	0	0	110		
111	0	0	0	0	0	9	49	10	3	17	120		
121	13	4	0	0	0	0	0	8	0	8	130		
131	43	0	9	8	0	14	5	0	0	0	140		
141	0	1	0	0									

ORIGIN ZONE	83	PURPOSE		2		2167 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE				
1	0	1	0	3	0	2	5	15	2	0	10				
11	0	0	0	0	6	0	6	0	2	0	20				
21	1	0	0	0	0	0	0	0	0	0	30				
31	0	3	0	2	0	0	2	0	0	2	40				
41	0	0	0	0	0	0	3	0	0	0	50				
51	3	0	0	0	0	27	11	0	4	2	60				
61	0	40	12	10	0	11	11	0	196	78	70				
71	289	120	14	216	30	69	0	246	7	0	80				
81	0	0	27	0	0	0	0	9	6	4	90				
91	220	22	288	9	9	17	0	0	0	6	100				
101	0	0	0	12	43	4	0	0	0	0	110				
111	0	0	0	0	0	5	16	0	0	0	120				
121	0	0	0	3	0	0	3	0	0	0	130				
131	2	0	0	5	6	0	0	0	0	0	140				

ORIGIN ZONE	83	PURPOSE		3	102 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE		
1		0	0	0	0	0	0	7	5	0	0	10		
11		0	0	0	0	0	7	16	0	0	0	20		



TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
21	0	0	0	0	0	0	18	0	0	0	10
51	0	0	0	0	0	0	2	0	0	0	60
61	0	2	0	0	0	0	0	0	0	0	70
71	0	0	0	0	0	0	0	2	0	0	80
81	0	0	4	0	0	0	0	0	0	0	90
91	0	0	7	7	0	0	0	0	0	0	100
111	0	0	0	0	0	0	0	2	0	0	120
131	0	0	0	0	0	0	15	0	0	0	140

ORIGIN ZONE 83 PURPOSE 4 1752 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	13	0	4	2	21	14	15	4	0	10
11	0	2	0	1	0	7	26	0	8	12	20
21	0	0	0	0	2	0	0	0	0	0	30
31	0	13	3	12	0	5	0	4	0	8	40
41	1	0	0	0	0	7	19	0	0	6	50
51	4	0	0	1	0	23	2	0	23	0	60
61	0	34	8	12	6	0	0	12	175	42	70
71	156	61	0	67	14	32	11	157	5	0	80
81	0	0	11	0	0	0	8	10	11	7	90
91	82	10	195	0	7	36	12	0	0	3	100
101	0	4	5	25	42	0	0	18	0	0	110
111	9	1	0	0	0	21	41	20	17	1	120
121	3	5	0	0	0	0	0	0	0	0	130
131	28	0	14	11	0	0	5	0	0	0	140
141	0	0	34	4	0	0	0	0	0	0	140

ORIGIN ZONE 84 PURPOSE 1 5572 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	14	0	0	17	64	33	105	0	0	10
11	0	0	0	106	0	4	112	0	10	27	20
21	10	0	7	0	0	5	5	0	0	0	30
31	0	59	6	52	21	0	0	3	0	22	40
41	0	0	0	0	0	0	0	0	0	14	50
51	0	37	19	0	29	70	0	26	122	15	60
61	0	251	58	72	15	5	104	38	505	40	70
71	771	164	14	340	8	0	6	64	3	2	80
81	3	0	0	8	8	0	8	29	11	8	90
91	113	37	961	20	8	126	8	6	43	24	100
101	0	44	30	84	207	8	0	0	0	0	110
111	40	0	0	0	0	38	115	14	11	0	120
121	2	7	0	0	0	0	6	15	0	3	130
131	38	0	7	0	20	8	0	0	0	0	140

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	2	0	0	0	8	8	3	0	3	10
11	0	0	0	0	0	0	8	0	5	0	20
21	0	0	1	0	0	0	0	0	0	0	30
31	2	5	1	3	5	0	0	0	0	3	40
51	1	0	0	0	0	21	0	11	11	2	60
61	0	66	19	19	5	6	23	31	166	61	70
71	671	157	0	106	0	0	0	39	6	0	80
81	3	0	0	6	0	0	0	7	16	0	90
91	50	6	297	0	8	16	9	5	14	0	100
101	2	2	18	22	60	0	0	0	0	4	110
111	0	0	0	0	0	7	29	1	2	0	120
121	3	0	8	0	0	0	0	0	0	0	130
131	23	0	0	0	0	0	0	0	0	0	140

ORIGIN ZONE 84 PURPOSE 3 94 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	7	0	38	0	0	10
61	0	0	0	2	0	0	0	0	0	0	70
71	0	0	0	0	0	0	0	0	1	0	80
91	0	0	25	0	0	0	0	0	0	0	100
101	0	0	0	0	3	0	0	0	0	0	110
131	0	0	0	0	6	0	12	0	0	0	140

ORIGIN ZONE 84 PURPOSE 4 1555 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	13	0	0	7	1	8	26	0	0	10
11	0	1	0	0	0	0	16	0	12	4	20
21	0	0	2	0	0	0	3	0	0	0	30
31	0	29	1	8	3	0	0	2	0	8	40
41	0	0	0	0	0	0	2	0	4	0	50
51	0	0	0	0	16	25	6	0	61	0	60
61	0	67	17	24	0	10	21	0	121	0	70
71	116	54	0	46	0	4	0	11	0	0	80
81	0	0	0	0	0	0	3	33	10	8	90
91	14	10	212	0	9	70	0	3	19	3	100
101	0	5	1	57	36	0	0	1	0	0	110
111	29	0	10	0	0	45	75	48	34	0	120
121	15	2	1	2	0	0	6	3	0	0	130
131	15	0	5	0	0	0	0	0	0	0	140



ORIGIN ZONE	85	PURPOSE	1	542 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1		0	5	7	0	5	0	3	6	0	0	10	
11		0	0	0	24	0	0	23	0	10	25	20	
21		0	0	7	13	0	0	0	0	0	0	30	
31		0	0	0	5	0	0	0	0	0	4	40	
31		0	0	0	0	0	6	0	0	0	2	60	
61		0	17	4	4	0	4	0	9	42	30	70	
71		101	42	0	64	0	0	9	7	0	0	80	
81		2	0	0	0	0	0	5	2	0	0	90	
91		0	0	0	0	0	0	0	10	0	0	100	
101		0	0	0	0	16	0	0	0	0	0	110	
ORIGIN ZONE	85	PURPOSE	2	279 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1		0	0	0	0	11	0	0	0	0	0	10	
11		0	0	0	0	0	0	2	0	0	2	20	
31		0	2	0	0	0	3	0	0	0	0	40	
41		0	0	0	0	0	0	0	0	0	1	50	
51		1	0	0	0	2	0	0	0	5	0	60	
61		0	8	3	2	0	3	4	9	0	14	70	
71		66	64	7	48	0	0	4	0	0	0	80	
81		0	0	0	0	0	1	4	8	0	0	90	
91		0	0	0	0	0	2	0	1	0	2	100	
ORIGIN ZONE	85	PURPOSE	3	19 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1		0	0	0	0	0	0	11	0	0	0	10	
131		0	0	0	0	0	0	0	0	0	0	140	
ORIGIN ZONE	85	PURPOSE	4	127 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
11		0	0	0	0	0	0	5	0	0	0	20	
31		0	2	2	3	0	0	0	0	0	0	40	
41		0	0	0	0	0	0	2	0	0	0	50	
51		0	0	0	1	1	3	0	2	5	0	60	
61		0	6	2	1	0	3	0	0	0	0	70	
71		27	23	0	7	0	4	0	2	0	0	80	
81		0	0	0	0	0	0	0	4	0	7	90	
91		0	0	0	0	0	9	0	0	0	2	100	
101		0	0	0	0	4	0	0	0	0	0	110	

ORIGIN ZONE	86	PURPOSE	1	374 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1		0	0	0	0	0	3	4	5	0	0	10	
11		0	0	0	0	0	0	3	0	0	11	20	
21		0	0	0	6	0	0	0	0	0	0	30	
41		0	0	0	0	0	0	0	0	0	4	50	
51		0	0	0	0	0	0	0	0	5	0	60	
61		0	2	0	0	0	0	0	0	25	0	70	
71		69	34	17	33	0	29	0	0	0	0	80	
81		0	0	0	0	0	0	4	45	0	12	90	
91		5	5	0	0	4	0	9	7	0	2	100	
101		0	0	0	0	11	0	0	0	0	0	110	
111		0	0	0	0	0	9	3	0	2	0	120	
131		6	0	0	0	0	0	0	0	0	0	140	
ORIGIN ZONE	86	PURPOSE	2	159 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
11		0	0	0	0	0	0	4	0	0	0	20	
51		0	0	0	0	0	7	0	0	2	0	60	
61		0	0	5	0	0	0	0	12	0	26	70	
71		0	0	0	12	0	0	0	0	0	0	80	
81		0	0	0	0	3	0	7	44	0	7	90	
91		0	0	0	0	6	5	0	3	0	2	100	
101		0	0	0	3	8	0	0	0	0	0	110	
121		0	0	0	0	0	0	0	0	0	3	130	
ORIGIN ZONE	86	PURPOSE	3	2 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
81		0	0	0	0	0	0	0	2	0	0	90	
ORIGIN ZONE	86	PURPOSE	4	63 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
31		0	0	0	0	0	0	0	0	0	3	40	
91		0	0	0	0	0	0	0	0	2	0	60	
61		0	0	0	0	0	0	0	0	5	0	70	
71		0	11	0	0	0	0	0	0	0	0	80	
81		0	0	0	0	0	10	8	6	0	6	90	
101		0	0	0	4	0	0	0	0	0	0	110	
111		0	0	0	0	0	1	7	0	0	0	120	



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ORIGIN ZONE	87	PURPOSE 1	3406 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1	0	11	4	0	9	36	59	37	0	0	10	
11	0	0	0	29	0	4	46	5	2	23	20	
21	3	0	20	4	10	0	0	0	0	0	30	
31	4	11	8	8	15	3	0	13	0	12	40	
41	5	0	7	0	0	0	0	0	0	3	50	
51	0	0	0	0	0	10	11	8	20	2	60	
61	0	77	18	20	0	7	4	0	130	12	70	
71	179	300	20	200	10	0	8	34	0	0	80	
81	7	0	6	5	7	4	11	790	40	86	90	
91	26	0	21	0	17	85	10	28	31	9	100	
101	7	4	48	31	170	0	58	0	0	0	110	
111	39	0	0	0	0	12	135	37	13	0	120	
121	5	3	0	0	0	0	41	5	0	37	130	
131	22	0	30	2	0	13	12	0	2	0	140	
141	0	3	18	4								

ORIGIN ZONE	87	PURPOSE 2	1502 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1	0	0	0	0	0	12	0	0	0	3	10	
11	0	0	0	0	0	0	2	0	8	0	20	
31	0	0	2	6	3	0	0	0	0	4	40	
31	1	0	0	0	0	9	2	2	0	8	60	
61	0	9	5	3	0	2	0	24	157	17	70	
71	220	93	0	62	0	0	0	10	0	2	80	
81	11	0	0	0	4	4	36	150	23	39	90	
91	35	0	23	8	21	40	5	28	41	10	100	
101	11	9	0	25	49	0	0	0	0	4	110	
111	5	0	0	0	0	5	7	3	4	0	120	
121	6	0	0	0	0	3	7	2	0	0	130	
131	16	0	0	0	0	0	0	0	0	0	140	

ORIGIN ZONE	87	PURPOSE 3		92 TOTAL ORIG/PROD							
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	9	0	0	0	0	10
11	0	0	0	0	0	0	7	0	0	0	20
31	0	0	0	0	0	0	7	0	0	0	40
71	9	0	0	0	0	0	0	2	0	0	80
91	0	0	0	0	0	8	0	2	0	0	100
111	0	0	0	0	0	0	1	1	0	0	120
121	3	0	0	0	3	0	0	0	0	0	130
131	0	0	15	0	0	10	15	0	0	0	140

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ORIGIN ZONE	87	PURPOSE	4	821 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE		
1	3	4	0	2	0	0	4	7	0	0	10		
11	0	0	0	0	2	0	19	0	24	11	20		
21	17	2	0	0	0	0	0	0	0	0	30		
31	0	0	0	4	1	0	3	4	0	0	40		
41	0	0	0	0	0	9	0	0	0	0	60		
51	0	0	0	0	0	0	0	0	20	16	70		
61	0	12	3	3	0	4	0	0	0	0	80		
71	104	52	4	24	0	4	0	5	1	0	90		
81	2	0	7	1	0	8	14	74	3	5	100		
91	6	0	0	0	9	31	11	0	1	21	110		
101	0	6	1	38	34	0	0	0	0	0	120		
111	2	0	0	0	2	19	62	23	18	0	130		
121	10	0	0	3	0	0	9	0	0	0	140		
131	13	2	6	1	0	0	7	0	0	0			

ORIGIN ZONE	88	PURPOSE 1		2628 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1	0	5	0	0	4	19	8	11	0	0	10	
11	0	5	0	25	0	0	11	6	4	14	20	
21	0	0	0	0	0	0	4	0	0	0	30	
31	0	7	0	9	0	0	0	0	0	0	40	
41	0	0	0	0	0	0	2	0	0	0	50	
51	0	0	0	0	8	19	7	14	31	0	60	
61	0	22	2	5	0	0	4	0	11	7	70	
71	36	0	4	14	2	5	2	5	0	10	80	
81	24	41	51	24	5	45	795	10	78	16	90	
91	19	0	78	5	32	106	8	36	44	29	100	
101	10	0	42	32	146	7	0	0	0	0	110	
111	31	0	0	0	0	29	142	19	7	0	120	
121	38	0	0	0	0	0	5	0	0	7	130	
131	65	0	20	4	0	0	0	0	0	0	140	

ORIGIN ZONE	88	PURPOSE	2	976 TOTAL ORIG/PROD								
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1		0	0	0	0	0	2	5	10	0	0	10
11		0	0	0	0	0	0	2	0	0	0	20
21		0	0	2	0	1	0	0	0	0	0	30
31		0	0	0	4	0	0	0	0	0	0	40
41		0	0	0	0	0	0	1	0	0	0	50
51		1	0	0	0	0	3	8	0	11	0	60
61		0	5	2	2	0	0	1	6	10	1	70
71		15	3	0	3	0	5	0	1	0	6	80



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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
81	4	6	10	5	8	45	350	28	60	10	90
91	16	0	45	0	15	63	3	24	0	7	100
101	0	0	5	43	51	0	0	0	4	0	110
111	3	0	0	0	0	8	19	4	2	0	120
121	6	0	0	0	0	0	0	0	0	0	130
131	15	0	0	3	0	0	0	0	0	0	140
ORIGIN ZONE 88	PURPOSE 3	35 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
51	0	0	0	0	0	0	0	0	1	0	60
71	28	8	0	0	0	0	0	0	0	0	80
81	2	0	0	0	0	0	0	4	0	0	90
ORIGIN ZONE 88	PURPOSE 4	795 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	6	0	0	0	0	0	10	0	0	10
11	0	0	0	0	0	0	17	0	0	0	20
21	0	0	0	0	0	0	0	0	0	0	30
31	0	0	0	2	0	0	0	0	0	0	40
51	0	0	0	0	6	0	8	3	9	0	60
61	0	0	2	3	0	0	8	0	9	0	70
71	11	0	0	1	7	12	4	7	0	0	80
81	28	23	10	33	3	6	75	0	0	3	90
91	32	9	18	0	15	63	6	18	10	0	100
101	0	5	19	48	42	0	21	0	0	0	110
111	9	0	0	0	0	7	27	26	17	0	120
121	19	11	7	7	0	7	0	0	0	2	130
131	31	0	5	0	0	0	1	0	0	0	140
ORIGIN ZONE 89	PURPOSE 1	1111 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	5	0	0	0	16	6	9	0	0	10
11	0	0	0	29	0	0	0	0	14	0	20
21	0	0	0	0	0	0	5	0	0	0	30
31	0	5	0	5	0	0	0	0	0	0	40
41	0	0	5	0	0	0	0	0	0	0	50
51	0	0	0	0	0	0	0	8	20	0	60
61	0	9	2	3	0	6	7	9	12	0	70
71	11	3	0	0	0	0	0	9	0	0	80
81	15	24	25	16	0	0	17	78	26	19	90
91	27	0	191	0	51	68	0	6	14	0	100

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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
101	5	0	0	11	22	0	0	0	0	0	110
111	0	0	0	0	0	0	27	0	16	0	120
131	41	0	0	0	0	0	0	0	0	0	140
ORIGIN ZONE 89	PURPOSE 2	1066 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	10	7	0	0	0	10
11	0	0	0	0	0	0	0	0	0	21	20
31	0	0	0	0	0	0	0	11	0	0	40
51	0	0	0	0	0	0	0	6	14	0	60
61	0	5	0	4	0	0	0	34	6	0	70
71	50	0	0	0	0	1	0	8	0	0	80
81	14	6	3	16	0	0	23	60	103	5	90
91	17	11	347	0	11	55	4	0	16	0	100
101	0	0	0	20	11	0	0	0	0	0	110
111	21	0	0	0	0	9	10	6	6	0	120
131	31	0	0	0	0	0	0	2	0	0	140
ORIGIN ZONE 89	PURPOSE 3	3 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
111	3	0	0	0	0	0	0	0	0	0	120
ORIGIN ZONE 89	PURPOSE 4	246 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	0	4	6	0	0	10
11	0	0	0	0	0	0	6	0	0	0	20
21	0	0	0	0	0	1	0	0	0	0	30
31	0	0	2	0	0	0	0	0	0	6	40
41	0	0	0	0	0	0	0	0	3	0	50
51	0	0	0	0	2	0	0	0	0	0	60
61	0	4	0	3	0	0	0	11	0	0	70
71	2	0	0	4	0	2	0	0	0	0	80
81	0	3	10	13	0	0	4	0	5	0	90
91	0	0	36	0	18	35	4	17	0	8	100
101	0	0	4	2	0	0	0	5	0	0	110
111	0	0	0	0	0	1	11	5	3	0	120
121	0	0	0	0	0	0	2	0	0	4	130
ORIGIN ZONE 90	PURPOSE 1	3557 TOTAL ORIG/PROD									



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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	14	14	16	5	0	0	10
11	0	0	0	26	0	0	11	0	6	7	20
61	0	17	4	2	0	0	0	0	25	0	70
71	0	8	0	0	0	0	0	6	3	0	80
81	0	17	20	3	0	12	87	19	22	209	90
91	5	3	650	8	33	1113	46	133	24	49	100
101	0	6	27	223	284	0	0	0	0	10	110
111	29	0	0	0	6	52	164	46	0	0	120
121	16	0	0	0	0	0	10	0	0	8	130
131	17	0	0	9	8	27	0	0	0	0	140

ORIGIN ZONE 90 PURPOSE 2 1442 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	7	0	0	3	0	0	10
21	8	0	0	0	0	0	0	0	0	0	30
31	0	1	0	0	0	0	0	0	0	1	40
41	0	0	0	0	0	4	0	0	0	0	50
51	0	0	0	0	0	0	0	3	0	0	60
61	0	2	0	0	0	2	0	0	5	0	70
71	8	0	1	0	2	0	1	0	0	2	80
81	3	1	5	0	0	8	42	9	5	80	90
91	9	7	269	6	27	484	6	92	16	16	100
101	0	4	12	82	167	0	9	0	0	3	110
111	14	4	0	0	0	10	23	1	0	0	120
121	0	0	0	0	0	0	0	0	0	11	130
131	16	0	6	0	3	0	0	0	0	0	140
141	0	2	0	0	0	0	0	0	0	0	

ORIGIN ZONE 90 PURPOSE 3 24 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
91	0	0	3	0	0	0	0	14	0	0	100
101	0	0	0	0	6	0	0	0	0	0	110
111	0	0	0	0	0	0	1	0	0	0	120

ORIGIN ZONE 90 PURPOSE 4 825 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	0	2	0	0	0	10
11	0	0	0	0	0	0	1	0	0	0	20
21	0	0	0	0	3	0	0	0	0	0	30
31	0	5	0	7	0	0	0	0	0	9	40
41	0	0	0	0	0	0	0	0	0	2	50

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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
61	0	8	2	3	0	3	0	0	6	0	70
71	4	0	0	0	0	0	3	7	0	0	80
81	0	0	6	5	7	6	4	3	0	19	90
91	0	0	99	6	14	246	24	14	36	16	100
101	0	0	0	42	38	0	9	0	0	4	110
111	0	0	0	0	0	27	46	31	22	0	120
121	0	0	0	0	0	0	0	0	0	5	130
131	11	0	0	0	0	0	0	0	0	0	140

ORIGIN ZONE 91 PURPOSE 1 1960 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	11	0	0	0	6	12	13	8	0	10
11	0	0	0	0	0	0	2	0	4	0	20
21	0	0	4	0	0	0	5	0	0	0	30
31	0	19	0	0	0	0	0	0	0	5	40
41	0	0	0	0	0	12	0	0	0	0	50
51	0	0	0	0	0	10	5	0	0	0	60
61	0	33	7	10	0	7	0	6	35	12	70
71	30	13	7	32	5	8	23	87	9	7	80
81	48	36	445	115	0	4	27	15	27	5	90
91	219	5	268	2	15	31	4	0	13	0	100
101	7	0	23	37	23	0	0	0	0	0	110
111	18	0	0	0	0	0	46	4	4	0	120
121	0	0	0	6	0	0	6	5	0	0	130
131	53	0	0	0	0	0	0	0	0	2	140

ORIGIN ZONE 91 PURPOSE 2 1519 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	13	0	12	0	0	10
21	0	0	1	4	0	0	0	0	0	0	20
31	0	10	2	0	0	0	0	0	0	0	30
41	0	0	0	0	0	4	0	0	0	0	40
51	0	0	0	0	3	23	2	0	0	0	50
61	0	27	3	9	2	12	3	9	11	19	60
71	30	6	9	5	0	0	2	43	3	0	70
81	28	28	219	52	0	0	33	16	20	9	80
91	367	7	237	0	29	34	0	3	39	0	90
101	0	3	0	31	10	0	17	0	0	0	100
111	7	0	0	0	0	2	11	6	5	0	110
121	3	0	0	0	0	0	12	6	0	0	120
131	9	0	0	0	0	0	2	0	0	0	130
141	0	0	5	0	0	0	0	0	0	0	140



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ORIGIN ZONE	91	PURPOSE	3	18 TOTAL ORIG/PROD										
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE		
1		0	0	0	0	0	0	7	0	0	0	10		
91		0	0	6	0	0	0	0	0	0	0	100		
101		0	0	0	0	5	0	0	0	0	0	110		

ORIGIN ZONE	91	PURPOSE	4	523 TOTAL ORIG/PROD										
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE		
1		0	3	0	0	0	0	10	3	0	0	10		
11		0	0	0	0	0	0	3	0	2	0	20		
21		0	6	0	0	0	0	0	0	0	0	30		
31		0	2	2	2	0	0	0	0	0	0	40		
41		0	0	0	0	0	4	4	0	0	16	50		
51		0	0	0	2	0	0	0	0	0	0	60		
61		0	3	0	3	0	0	3	0	7	0	70		
71	18	12	12	2	7	0	0	0	25	4	0	80		
81	12	10	87	14	0	0	0	7	32	2	0	90		
91	29	1	33	0	5	39	0	0	0	0	0	100		
101	0	0	0	17	9	1	0	0	0	0	0	110		
111	0	0	3	0	2	7	25	9	6	0	0	120		
121	7	0	0	0	0	0	0	0	0	0	0	130		
131	1	0	5	0	0	1	0	2	0	0	0	140		

ORIGIN ZONE	92	PURPOSE	1	512 TOTAL ORIG/PROD										
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE		
1		0	12	0	0	0	2	9	4	0	0	10		
11		0	0	0	0	0	0	13	0	7	0	20		
21		0	0	10	0	0	0	0	0	0	0	30		
31		0	0	0	3	0	0	0	0	0	0	40		
41		0	0	0	0	0	0	12	0	8	0	50		
51		0	0	0	0	0	0	3	0	0	0	60		
61		0	7	0	6	0	0	0	12	24	0	70		
71	21	0	0	0	0	0	0	0	20	0	0	80		
81	0	6	47	36	0	5	0	0	0	0	11	90		
91	6	0	11	0	3	58	0	0	0	2	0	100		
101	0	0	4	19	41	0	0	0	0	0	0	110		
111	10	0	0	0	0	10	34	6	0	0	0	120		
121	21	0	0	0	0	0	0	0	0	0	0	130		
131	0	0	0	0	0	0	9	0	0	0	0	140		

ORIGIN ZONE	92	PURPOSE	2	218 TOTAL ORIG/PROD										
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE		
1		0	0	0	0	0	0	7	0	0	0	10		
11		0	0	0	0	0	0	0	0	6	0	20		
21		0	0	0	0	0	0	0	0	0	0	30		
31		0	2	0	0	0	0	0	0	5	0	40		
41		0	0	0	0	0	0	0	0	0	0	50		
51		0	0	0	0	0	0	0	0	0	0	60		
61		0	5	0	4	0	3	0	9	0	0	70		
71	4	0	0	0	0	3	7	0	19	0	0	80		
81	0	2	21	3	0	0	0	0	0	0	9	90		
91	8	0	3	0	13	6	13	0	0	0	0	100		
101	0	0	12	0	0	0	0	0	0	0	0	110		
111	13	0	0	0	0	0	17	0	0	0	0	120		

MATRIX MULTIPLICATION

VERSION 2.0

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	0	7	0	0	0	10
11	0	0	0	0	0	0	0	0	6	0	20
31	0	2	0	0	0	0	0	0	0	6	30
41	0	0	0	0	0	0	0	0	5	0	40
51	0	0	0	0	0	0	0	0	6	0	50
61	0	0	0	0	0	3	0	9	0	0	60
71	4	0	0	0	3	7	0	19	0	0	70
81	0	2	21	3	0	0	0	0	6	9	80
91	8	0	3	0	13	6	13	0	0	0	90
101	0	0	12	0	0	0	0	0	0	0	100
111	13	0	0	0	0	0	17	0	0	0	110

ORIGIN ZONE 92 PURPOSE 3 103 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	3	0	0	0	4	0	4	0	0	10
11	0	0	0	53	0	0	9	0	0	6	20
31	0	10	2	2	0	0	0	0	0	0	30
41	6	0	0	0	0	0	0	1	0	0	40
51	0	0	0	0	0	0	3	0	0	0	50
61	0	0	0	0	0	0	0	0	0	0	60
71	0	0	0	0	0	0	0	0	0	0	70
81	0	0	0	0	0	0	0	0	0	0	80
91	0	0	0	0	0	0	0	0	0	0	90
101	0	0	0	0	0	0	0	0	0	0	100
111	0	0	0	0	0	0	0	0	0	0	110
121	0	0	0	0	0	0	0	0	0	0	120

ORIGIN ZONE 92 PURPOSE 4 155 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	3	0	4	0	0	10
11	0	0	0	0	0	0	2	0	0	0	20
31	0	0	2	0	0	0	0	0	0	0	30
41	0	0	0	0	0	4	0	0	0	0	40
51	0	0	0	0	0	0	0	0	3	0	50
61	0	7	0	2	0	0	0	0	0	0	60
71	0	6	0	2	0	3	0	3	0	0	70
81	0	6	8	10	0	0	0	0	0	0	80
91	2	0	0	0	4	23	0	0	0	6	90
101	0	2	0	0	0	0	0	0	0	0	100
111	6	0	0	0	0	1	22	4	6	0	110
121	1	0	0	0	0	0	0	4	0	0	120
131	2	0	0	3	0	0	0	0	0	0	130

ORIGIN ZONE 93 PURPOSE 1 15802 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	10	0	11	51	133	179	245	28	0	10
11	0	0	2	57	0	0	132	5	47	88	20
21	15	20	9	11	13	0	2	0	0	0	30



MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
31	0	111	73	64	22	0	5	0	0	46	40
41	5	0	0	5	2	6	23	0	5	60	50
51	9	32	0	2	14	104	27	27	153	64	60
61	2	465	104	133	0	36	79	28	333	56	70
71	458	129	56	112	23	66	46	200	23	33	80
81	278	580	708	960	0	0	23	80	404	646	90
91	268	8	412	25	759	1760	86	60	178	76	100
101	56	180	206	536	1337	0	134	102	0	0	110
111	175	0	5	0	0	76	605	53	42	7	120
121	81	2	0	0	0	5	38	0	34	28	130
131	244	0	48	26	36	26	23	0	0	15	140
141	0	0	20	2							

ORIGIN ZONE 93 PURPOSE 2 6171 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	9	0	4	14	12	19	57	0	0	10
11	0	0	0	3	0	0	16	0	13	11	20
21	0	6	1	0	0	0	0	0	0	0	30
31	0	6	6	6	7	2	2	0	0	20	40
41	0	0	3	0	0	5	3	0	0	10	50
51	4	6	0	0	15	36	12	8	50	3	60
61	8	134	35	40	13	6	43	3	87	36	70
71	181	27	17	105	8	41	18	52	0	28	80
81	161	198	291	298	0	0	25	46	354	269	90
91	239	7	269	12	407	882	87	52	151	65	100
101	41	26	75	272	356	0	25	0	0	0	110
111	42	0	0	0	0	48	179	17	13	0	120
121	27	6	0	17	13	0	15	4	10	21	130
131	59	0	15	12	0	0	8	0	0	0	140
141	2	0	4	0							

ORIGIN ZONE 93 PURPOSE 3 360 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	9	0	0	6	0	20	23	0	0	10
11	0	0	0	0	0	0	27	6	0	0	20
21	0	0	0	0	0	0	2	0	0	0	30
31	0	0	0	0	0	0	0	0	0	0	40
41	0	8	0	7	0	0	0	0	0	0	50
51	5	5	3	2	8	34	20	3	95	0	60
61	0	130	36	47	0	7	49	2	102	23	70
71	71	24	4	36	2	23	6	30	0	8	80
81	175	98	196	212	0	0	0	18	34	98	90
91	33	0	31	0	103	316	90	26	42	17	100
101	10	23	44	213	200	0	8	4	0	0	110
111	51	0	0	0	0	104	102	125	88	10	120
121	34	14	0	0	0	0	33	11	0	6	130
131	66	0	24	4	0	0	34	0	3	0	140

ORIGIN ZONE 94 PURPOSE 1 404 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	0	8	9	0	0	10
11	0	0	0	0	0	0	0	0	0	4	20
21	0	0	0	0	0	0	0	0	0	5	30
31	0	0	0	0	0	16	5	3	8	0	40
41	0	12	0	0	0	0	0	0	5	0	50
51	0	0	0	0	0	0	0	0	0	0	60
61	0	13	0	10	0	0	0	0	0	0	70
71	3	2	8	17	0	0	0	3	0	7	80
81	0	0	24	6	2	8	7	3	5	4	90
91	6	0	10	29	85	0	0	0	0	0	100
101	15	8	0	0	0	0	0	4	0	0	110
111	0	0	0	0	0	15	3	0	9	0	120
121	0	0	0	0	0	0	0	0	0	0	130
131	15	0	0	0	0	0	0	0	0	0	140
141	0	0	8	0							

ORIGIN ZONE 94 PURPOSE 2 282 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	0	0	10	0	0	10
21	0	0	0	0	10	0	0	0	0	0	20
31	0	0	0	0	0	0	0	0	4	0	30
41	0	23	10	14	0	0	0	0	0	0	40



MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
71	0	0	0	0	0	0	3	0	0	0	80
81	0	0	9	0	0	0	8	0	0	6	90
91	0	0	16	0	12	11	0	0	0	10	100
101	49	0	19	4	12	0	0	0	0	0	110
111	0	9	0	0	0	0	0	3	3	0	120
121	0	0	0	0	0	0	15	0	0	0	130
131	14	0	0	0	0	0	0	0	0	0	140
ORIGIN ZONE	94	PURPOSE	3	47 TOTAL ORIG/PROD							
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	0	0	5	0	0	10
81	0	0	7	0	0	0	0	0	0	0	90
101	0	0	0	0	32	0	0	0	0	0	110
ORIGIN ZONE	94	PURPOSE	4	113 TOTAL ORIG/PROD							
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
51	0	0	0	0	0	3	0	0	0	0	60
71	0	2	0	0	0	0	0	0	0	0	80
81	0	0	0	0	0	0	0	0	0	7	90
91	0	0	0	0	16	8	0	0	0	5	100
101	2	0	3	0	5	0	1	0	0	0	110
111	5	0	0	0	0	17	3	0	0	0	120
121	16	0	0	0	0	9	4	0	0	0	130
131	7	0	0	0	0	0	0	0	0	0	140
ORIGIN ZONE	95	PURPOSE	1	1685 TOTAL ORIG/PROD							
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	4	9	9	8	0	0	10
11	0	0	0	0	0	0	4	0	0	7	20
21	2	0	0	0	0	0	0	0	0	0	30
31	0	0	5	7	0	8	0	0	0	0	40
41	0	0	0	0	0	5	4	0	0	0	50
51	0	0	0	0	0	0	0	0	3	0	60
61	0	18	4	2	0	0	0	0	11	0	70
71	5	0	0	8	0	7	12	8	0	4	80
81	15	31	18	7	0	4	14	16	54	33	90
91	17	2	748	1	8	4	4	0	11	4	100
101	2	100	22	114	220	0	0	0	0	0	110
111	0	0	0	0	0	3	15	7	0	0	120
121	2	0	0	0	0	0	0	5	4	0	130
131	32	0	0	0	0	0	0	0	0	0	140

MATRIX MULTIPLICATION

ORIGIN ZONE	95	PURPOSE	2	805 TOTAL ORIG/PROD							
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	3	9	4	0	0	0	10
11	0	0	0	0	0	0	0	0	4	0	20
41	0	0	0	0	0	2	0	0	0	3	50
51	0	0	0	0	3	7	0	0	0	2	60
61	0	10	0	4	0	0	3	0	0	4	70
71	9	0	0	4	1	0	0	4	2	0	80
81	1	4	9	6	0	5	21	15	11	26	90
91	29	8	407	12	8	8	0	3	3	4	100
101	7	5	4	65	49	0	0	0	0	0	110
111	0	0	0	0	0	0	0	1	1	0	120
121	8	0	0	3	0	0	0	0	0	0	130
141	3	0	0	0	0	0	0	0	0	0	140
ORIGIN ZONE	95	PURPOSE	3	29 TOTAL ORIG/PROD							
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	7	0	0	0	0	10
31	0	0	0	0	0	0	6	0	0	0	40
61	0	0	0	0	0	0	0	0	3	0	70
71	0	5	0	0	0	0	0	0	0	0	80
81	3	0	0	0	0	0	0	0	0	0	90
91	0	0	1	0	0	0	1	0	0	0	100
101	0	0	0	0	3	0	0	0	0	0	110
ORIGIN ZONE	95	PURPOSE	4	394 TOTAL ORIG/PROD							
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	3	0	0	4	4	8	0	0	0	10
11	0	0	0	0	0	0	2	0	1	3	20
21	0	0	0	0	0	0	3	0	0	0	30
31	0	0	0	0	0	2	0	0	0	3	40
51	0	0	0	0	0	0	1	0	0	0	60
61	0	3	1	0	0	0	0	0	7	0	70
71	6	7	0	7	0	4	2	0	0	0	80
81	2	2	7	9	0	0	9	13	18	14	90
91	4	2	101	18	0	4	20	0	8	0	100
101	0	0	0	4	47	0	3	9	0	0	110
121	9	0	0	0	0	0	0	0	0	0	130
131	11	0	5	0	0	0	0	0	2	0	140
ORIGIN ZONE	96	PURPOSE	1	14066 TOTAL ORIG/PROD							



MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	5	0	6	10	17	62	96	2	0	10
11	0	0	0	41	5	0	39	5	5	8	20
21	0	10	3	0	0	2	0	0	0	0	30
31	0	36	13	17	15	0	0	0	0	15	40
41	5	0	0	0	4	5	5	0	7	0	50
51	14	0	0	0	8	44	3	10	40	0	60
61	0	122	27	35	0	6	27	3	69	25	70
71	90	3	11	17	0	40	44	26	14	8	80
81	45	54	66	122	0	0	88	299	69	1094	90
91	30	49	1731	10	5	50	114	6	22	14	100
101	116	86	470	2094	4228	22	403	73	0	19	110
111	92	18	0	0	0	100	719	94	36	0	120
121	47	16	0	5	9	0	27	24	0	8	130
131	139	0	43	62	14	54	9	0	0	0	140
141	0	0	25	0	0	0	0	0	0	0	140

ORIGIN ZONE	96	PURPOSE	2	4221 TOTAL ORIG/PROD							
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	1	0	0	0	11	2	8	0	0	10
11	0	0	0	0	0	0	15	0	1	5	20
21	2	0	2	0	0	0	5	0	0	0	30
31	0	5	0	5	0	0	0	0	0	2	40
41	0	0	0	0	0	2	0	0	0	1	50
51	1	0	0	0	5	15	0	0	22	0	60
61	0	31	10	5	5	4	11	5	17	8	70
71	18	0	0	21	0	15	1	10	8	0	80
81	18	22	20	17	2	6	42	64	48	485	90
91	35	9	879	19	8	28	53	9	11	2	100
101	40	69	171	532	774	0	21	0	0	0	110
111	107	0	0	6	0	19	195	20	20	5	120
121	6	12	3	4	0	0	6	7	6	39	130
131	48	0	0	10	0	0	0	0	0	0	140
141	1	0	4	0							

ORIGIN ZONE	96	PURPOSE	3	296 TOTAL ORIG/PROD							
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	0	0	9	0	0	10
21	0	0	0	0	0	0	9	0	0	0	30
31	0	0	0	5	0	0	0	0	0	0	40
51	0	0	0	0	0	0	0	0	0	2	60
61	0	0	0	0	0	0	0	0	4	4	70
81	0	0	0	0	0	0	9	0	0	0	90
91	0	0	33	0	0	0	4	0	0	0	100

MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
101	0	0	0	46	85	0	0	0	0	0	110
111	0	0	0	0	0	10	0	0	0	0	120
121	0	0	0	0	0	4	4	0	0	0	130
131	0	0	0	0	0	0	17	0	0	0	140
141	0	0	51	0	0	0	0	0	0	0	140

ORIGIN ZONE	96	PURPOSE 4		3173 TOTAL ORIG/PROD							
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	2	11	0	6	2	10	24	11	5	0	10
11	0	0	0	0	2	0	24	0	4	27	20
21	21	0	0	16	0	0	3	0	0	0	30
31	0	12	12	20	6	0	0	8	0	18	40
41	8	0	0	0	11	2	0	0	0	21	50
51	0	0	0	0	1	12	2	2	56	1	60
61	0	49	15	17	0	0	17	3	28	8	70
71	68	10	0	2	2	6	0	2	0	0	80
81	26	22	36	73	8	0	31	65	15	249	90
91	40	25	314	8	3	7	44	4	0	4	100
101	19	11	64	515	226	9	30	8	0	0	110
111	61	0	0	11	0	81	247	62	37	0	120
121	26	0	6	12	0	2	25	0	2	7	130
131	33	0	3	11	0	0	25	0	0	8	140
141	0	0	8	0							

ORIGIN ZONE	97	PURPOSE 1		2916 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1	0	0	0	0	0	0	8	6	0	0	10	
31	0	3	0	0	0	0	0	0	0	0	40	
51	0	0	0	0	0	0	0	7	0	6	60	
61	0	17	7	2	0	2	0	0	12	0	70	
71	5	3	0	0	0	4	0	8	3	0	80	
81	0	7	0	4	0	0	9	10	0	47	90	
91	5	0	05	4	4	111	189	0	6	2	100	
101	53	26	46	372	1166	55	149	66	0	9	110	
111	28	0	0	0	0	15	159	15	9	13	120	
121	28	0	0	0	3	0	15	24	0	0	130	
131	60	0	8	0	0	11	4	0	0	0	140	
141	0	0	4	0								

ORIGIN ZONE	97	PURPOSE	2	1200 TOTAL ORIG/PROD							
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE



MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	0	2	0	0	0	10
11	0	0	0	0	0	0	6	0	0	4	20
61	0	2	0	0	0	0	0	0	2	0	70
71	9	0	0	2	0	2	0	0	2	0	80
81	4	2	0	7	0	0	5	0	3	8	90
91	0	12	80	0	1	56	144	0	0	1	100
101	71	2	31	183	341	4	3	0	0	4	110
111	26	0	0	0	0	38	37	1	2	0	120
121	4	0	0	2	0	0	2	12	0	0	130
131	50	0	6	4	0	1	0	0	0	0	140
141	0	0	4	0							

ORIGIN ZONE 97 PURPOSE 3 55 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
91	0	0	5	0	2	4	7	0	0	0	100
101	0	0	0	17	18	0	0	0	0	0	110
111	0	0	0	0	0	0	0	2	0	0	120

ORIGIN ZONE 97 PURPOSE 4 1191 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	4	9	0	0	0	10
11	0	0	0	0	0	0	0	0	17	0	20
31	0	3	6	4	0	0	0	0	0	19	40
41	0	0	0	12	0	1	1	0	0	2	50
51	0	0	0	0	0	9	0	0	8	0	60
61	0	8	2	4	0	1	4	0	14	0	70
71	9	14	0	1	0	0	7	2	0	0	80
81	10	1	13	0	0	0	14	1	3	26	90
91	0	0	91	0	20	44	90	2	0	4	100
101	28	2	3	121	175	4	7	8	3	2	110
111	8	0	0	0	0	66	92	12	26	0	120
121	13	11	0	3	0	0	9	0	0	26	130
131	40	0	18	0	0	0	8	0	0	0	140

ORIGIN ZONE 98 PURPOSE 1 2540 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	6	0	5	0	0	10
11	0	0	0	0	0	0	0	0	3	0	20
31	0	0	0	2	0	0	0	0	0	0	40
41	0	0	0	0	0	0	0	0	0	7	50
61	0	5	4	0	0	0	0	0	6	0	70

MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
71	2	8	0	0	0	0	0	0	0	0	80
81	0	0	12	2	11	11	27	33	7	131	90
91	0	0	60	5	0	8	0	1	0	8	100
101	6	0	76	197	1519	57	77	0	0	0	110
111	10	0	0	0	10	17	101	8	0	0	120
121	19	0	0	0	0	0	5	0	0	0	130
131	44	0	28	0	0	0	0	0	0	0	140

ORIGIN ZONE 98 PURPOSE 2 999 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	2	0	0	0	0	10
51	2	0	0	0	0	0	0	0	0	0	60
61	0	0	0	0	0	0	6	0	0	1	70
81	7	2	0	7	1	4	29	0	0	93	90
91	4	0	52	0	3	7	0	26	3	7	100
101	2	0	30	101	486	5	0	0	0	0	110
111	0	0	0	0	0	0	19	3	1	0	120
121	11	6	0	0	0	0	5	3	0	7	130
131	27	0	7	0	0	0	0	0	0	0	140

ORIGIN ZONE 98 PURPOSE 3 27 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
41	0	0	5	0	0	0	0	0	0	0	50
81	0	0	0	0	0	0	2	0	0	12	90
131	0	0	0	0	0	8	0	0	0	0	140

ORIGIN ZONE 98 PURPOSE 4 116 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	2	0	0	0	0	7	0	0	0	10
11	0	2	0	0	0	0	0	0	0	0	20
21	0	0	0	0	0	5	0	0	0	0	30
31	0	0	0	0	2	0	0	0	0	0	40
41	0	0	0	0	0	0	0	0	0	3	50
61	0	0	0	0	0	0	0	0	6	0	70
71	0	0	0	0	0	0	0	2	0	0	80
81	0	2	0	2	0	0	0	20	16	14	90
91	0	0	28	0	0	4	2	0	0	0	100
101	0	0	0	50	51	4	14	0	0	1	110
111	4	0	0	0	0	2	25	19	12	0	120
121	4	0	0	0	0	0	0	0	0	4	130
131	19	0	0	0	0	0	0	0	0	0	140



ORIGIN ZONE	99	PURPOSE	1	8536 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE		
1	0	5	0	0	4	9	33	33	0	0	10		
11	0	0	0	13	0	0	11	0	0	0	20		
21	0	9	4	0	0	0	0	0	0	0	30		
31	0	5	0	9	5	0	0	0	0	0	40		
41	0	0	0	0	0	7	0	0	0	0	50		
51	0	0	0	0	0	5	0	2	11	0	60		
61	0	41	10	11	0	0	7	0	34	3	70		
71	34	0	0	0	9	7	8	0	0	0	80		
81	6	24	9	44	0	6	26	43	12	23	90		
91	17	5	172	3	10	25	6	0	0	6	100		
101	9	60	696	939	4620	63	463	57	0	0	110		
111	37	0	9	0	0	65	392	50	41	0	120		
121	84	0	0	0	5	11	0	0	0	0	130		
131	95	0	29	7	0	26	0	0	0	0	140		
141	0	0	2	0									

ORIGIN ZONE	99	PURPOSE	2	1042 TOTAL ORIG/PROD							
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	2	0	7	0	0	0	10
31	0	0	1	0	0	0	0	0	0	2	40
41	0	0	1	0	0	0	0	0	0	0	50
51	0	0	2	0	7	0	0	0	11	0	60
61	0	0	3	0	0	0	0	0	0	2	70
71	6	0	0	9	2	0	0	0	0	4	80
81	10	0	0	16	0	0	40	0	16	16	90
91	45	0	152	0	3	7	0	4	0	8	100
101	14	59	211	465	1647	5	20	8	0	0	110
111	34	0	0	0	0	20	107	8	6	0	120
121	11	2	0	9	0	0	6	0	0	0	130
131	14	0	0	0	0	0	0	0	0	0	140

ORIGIN ZONE	99	PURPOSE		113 TOTAL ORIG/PROD								
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1		0	5	0	0	0	0	0	0	0	0	10
51		0	0	0	0	0	4	0	0	0	0	60
101		0	0	0	0	75	0	0	0	0	0	110
131		33	0	0	0	0	10	0	0	0	0	140
141		0	0	6	0							

ORIGIN ZONE	99	PURPOSE	4	1681 TOTAL ORIG/PROD									
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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	4	0	3	0	10	4	9	0	0	10
11	0	0	0	0	0	0	3	0	0	0	20
21	0	2	0	4	0	0	0	0	0	0	30
31	0	14	8	4	0	0	0	0	0	5	40
41	0	0	0	0	0	0	4	0	0	3	50
51	3	0	1	1	0	8	0	0	7	0	60
61	0	8	0	4	0	0	3	0	9	0	70
71	18	2	0	0	0	4	0	8	0	3	80
81	29	0	0	19	0	0	3	10	0	34	90
91	0	0	43	0	7	0	0	0	17	0	100
101	7	25	94	418	413	9	12	4	0	0	110
111	9	0	0	7	0	59	138	50	38	0	120
121	15	15	0	0	0	0	7	6	0	11	130
131	28	0	0	9	0	0	0	0	0	0	140

ORIGIN ZONE	100	PURPOSE		1	6383 TOTAL ORIG/PROD							
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1	0	5	0	0	4	0	8	6	0	0	10	
21	10	0	0	0	0	0	0	0	0	0	30	
31	0	0	2	5	0	0	0	0	0	4	40	
41	0	0	0	0	0	0	9	0	0	0	50	
51	0	0	0	0	0	2	0	0	4	0	60	
61	0	4	0	2	0	0	0	0	7	0	70	
71	0	0	6	0	0	12	0	7	0	8	80	
81	7	2	7	23	0	4	9	30	0	47	90	
91	0	0	74	5	2	13	2	8	6	8	100	
101	8	65	185	584	4274	41	250	55	0	0	110	
111	36	0	0	0	0	47	254	37	15	0	120	
121	13	10	0	8	1	7	7	5	0	27	130	
131	60	0	31	9	0	6	0	0	0	0	140	
141	0	2	0	0								

ORIGIN ZONE	100	PURPOSE	2	2319 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE		
21	0	0	0	0	2	0	0	0	0	0	30		
31	0	1	0	0	0	0	0	0	0	0	40		
51	0	0	0	0	0	0	5	0	0	0	60		
61	0	0	0	0	0	0	2	2	4	0	70		
71	0	2	0	0	0	0	0	0	0	0	80		
81	3	10	3	0	2	2	12	6	0	17	90		
91	0	0	64	8	5	4	2	6	7	4	100		
101	5	18	91	214	1570	13	17	0	0	0	110		
111	13	0	13	0	0	36	63	10	5	3	120		



MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
121	14	0	0	0	0	0	0	6	0	8	130
131	21	0	6	10	0	0	0	0	0	0	140
141	0	0	2	0							
ORIGIN ZONE 100	PURPOSE 3	13 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	0	0	7	0	0	10
81	0	0	0	0	0	0	0	0	0	2	90
131	0	0	0	0	0	6	0	0	0	0	140
ORIGIN ZONE 100	PURPOSE 4	766 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	6	0	0	4	7	0	7	0	0	10
31	0	5	0	2	0	0	0	0	0	0	40
51	0	0	0	2	0	0	0	0	0	0	60
61	3	1	0	3	0	0	0	0	0	0	70
71	14	0	0	0	0	5	0	5	0	5	80
81	8	4	2	3	1	0	20	0	9	13	90
91	0	9	16	3	0	4	4	0	0	0	100
101	2	0	22	94	192	5	10	19	0	0	110
111	22	0	0	1	0	18	108	40	28	6	120
121	8	0	8	0	0	0	3	0	0	0	130
131	24	0	0	3	4	0	0	0	0	4	140
ORIGIN ZONE 101	PURPOSE 1	1898 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	7	0	0	0	0	0	4	3	0	10
11	0	5	0	0	0	0	7	0	0	0	20
51	0	0	0	0	0	0	9	0	5	0	60
61	0	2	4	0	0	0	0	0	2	0	70
71	12	0	0	0	0	0	5	3	5	0	80
81	7	16	12	0	0	0	4	9	4	0	90
91	3	0	60	12	2	139	50	4	12	11	100
101	812	7	22	71	223	0	0	0	0	0	110
111	0	0	7	0	0	19	40	4	19	0	120
121	21	0	0	0	0	0	55	95	0	0	130
131	72	0	0	0	2	11	0	0	0	0	140
ORIGIN ZONE 101	PURPOSE 2	1458 TOTAL ORIG/PROD									

MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	3	0	0	0	5	0	0	10
61	0	5	0	0	0	0	0	0	8	0	70
71	14	0	0	0	0	0	0	3	4	4	80
81	0	0	0	2	0	0	9	0	0	0	90
91	0	0	38	47	5	38	70	4	13	4	100
101	722	13	19	110	144	0	0	0	0	0	110
111	0	0	0	2	0	3	29	3	2	0	120
121	0	0	0	0	0	0	47	43	0	0	130
131	38	0	0	0	0	0	5	0	0	0	140
141	0	0	2	0							
ORIGIN ZONE 101	PURPOSE 3	42 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
71	2	0	0	0	0	0	0	4	0	0	80
91	0	0	10	0	0	0	0	0	0	0	100
101	4	0	0	1	10	0	0	0	0	0	110
121	0	0	0	0	0	0	0	6	9	0	130
141	0	0	5	0							
ORIGIN ZONE 101	PURPOSE 4	284 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	3	0	0	0	3	1	9	0	0	10
41	0	0	0	0	0	0	0	0	0	3	50
51	0	0	0	0	0	0	0	0	2	0	60
61	0	2	0	2	0	0	0	3	1	0	70
71	8	0	0	0	0	0	0	0	0	0	80
91	0	0	13	1	0	22	26	0	4	4	100
101	28	1	9	32	54	0	0	0	0	0	110
111	0	0	0	0	0	2	13	6	5	0	120
121	8	0	0	0	0	7	5	7	0	0	130
ORIGIN ZONE 102	PURPOSE 1	3595 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	8	3	12	5	29	0	0	10
11	0	0	0	0	0	0	3	0	0	0	20
31	0	0	0	15	4	0	7	0	0	6	40
41	0	0	0	0	0	0	0	0	0	16	50
51	0	0	0	0	0	0	0	0	11	0	60
61	0	46	10	14	0	0	0	8	10	0	70
71	35	0	7	0	0	0	0	0	0	0	80
81	0	0	0	47	0	0	4	0	0	6	90



MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
91	0	0	186	4	90	90	23	0	43	76	100
101	7	0	9	9	13	0	166	0	0	0	110
111	64	0	0	0	0	245	1747	114	0	0	120
121	53	0	0	0	0	0	25	12	0	0	130
131	311	0	0	0	0	0	0	0	0	0	140
ORIGIN ZONE 102	PURPOSE 2	885 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
11	0	0	0	0	0	0	0	0	0	2	20
41	0	0	0	0	0	0	0	0	0	4	50
51	0	0	0	0	0	2	5	0	0	0	60
61	0	3	0	0	0	0	5	0	0	0	70
71	10	0	0	7	0	0	0	3	0	0	80
81	0	0	0	2	0	0	9	0	0	2	90
91	7	0	25	0	9	70	2	0	56	17	100
101	13	0	0	0	9	0	0	0	0	0	110
111	0	0	95	0	0	68	379	24	17	0	120
121	0	0	0	0	0	0	0	4	0	0	130
131	13	0	5	13	0	5	0	0	0	0	140
ORIGIN ZONE 102	PURPOSE 3	19 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
131	0	0	19	0	0	0	0	0	0	0	140
ORIGIN ZONE 102	PURPOSE 4	480 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	2	0	3	0	4	0	0	0	0	10
11	0	0	0	0	0	0	2	0	0	0	20
21	0	0	0	9	0	0	0	0	0	0	30
31	0	4	2	2	6	0	0	0	0	3	40
41	0	0	0	0	0	0	0	0	0	4	50
51	0	0	0	0	0	4	3	5	1	0	60
61	0	9	2	6	0	0	0	4	0	8	70
71	18	0	0	1	0	7	0	2	0	0	80
81	2	0	6	5	0	0	3	2	0	0	90
91	0	3	25	0	0	11	2	0	29	0	100
101	1	0	0	0	0	0	0	0	0	0	110
111	0	0	0	0	0	33	139	38	27	0	120
121	0	0	0	0	0	0	3	0	0	4	130
131	0	0	0	8	0	0	0	0	0	0	140
141	0	0	6	0	0	0	0	0	0	0	140

MATRIX MULTIPLICATION

ORIGIN ZONE 103	PURPOSE 1	5508 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	7	0	0	2	27	20	29	0	0	10
11	0	0	0	0	0	0	8	0	5	0	20
21	0	0	5	0	0	0	0	0	0	0	30
31	0	10	14	18	0	0	0	23	0	14	40
41	0	0	0	3	0	3	0	0	0	0	50
51	0	32	0	3	0	6	0	0	27	0	60
61	0	42	11	9	10	8	9	0	38	0	70
71	43	0	0	0	0	0	0	4	0	0	80
81	27	0	12	27	0	0	48	41	0	24	90
91	22	7	210	7	22	473	45	76	709	197	100
101	23	9	0	68	11	0	0	0	0	0	110
111	365	0	37	38	0	434	1363	246	82	0	120
121	179	0	0	22	0	0	0	7	0	0	130
131	174	0	0	41	0	0	6	0	0	0	140
141	0	0	6	0	0	0	0	0	0	0	140
ORIGIN ZONE 103	PURPOSE 2	1687 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	0	3	3	0	0	10
11	0	0	0	8	0	0	0	2	0	0	20
31	0	0	0	2	0	0	0	0	0	0	40
51	0	0	0	0	0	0	0	0	0	3	60
61	0	9	0	0	0	15	0	0	6	0	70
71	0	0	0	0	0	0	3	1	0	0	80
81	12	0	2	14	0	0	0	7	0	10	90
91	0	15	85	4	0	181	31	31	211	92	100
101	20	0	0	20	16	0	0	0	0	0	110
111	93	0	0	0	0	69	337	50	34	0	120
121	75	23	48	42	0	0	0	13	0	0	130
131	79	0	5	2	0	0	0	0	0	0	140
ORIGIN ZONE 103	PURPOSE 3	81 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	0	0	26	0	0	10
61	0	15	5	3	0	0	0	0	0	0	70
111	0	0	0	0	0	0	2	0	0	0	120
121	16	0	0	0	0	0	0	0	0	0	130
131	0	0	0	0	0	0	15	0	0	0	140
141	0	0	1	0	0	0	0	0	0	0	140



ORIGIN ZONE 103	PURPOSE 4	1282 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	6	0	0	7	1	0	11	0	0	10
11	0	0	0	0	0	0	9	0	1	0	20
21	10	0	0	0	0	0	0	0	0	0	30
31	0	4	0	1	1	0	0	0	0	4	40
41	0	0	0	0	0	4	3	0	0	1	50
51	0	2	0	0	0	5	5	0	1	4	60
61	0	29	7	9	0	0	8	0	13	0	70
71	11	1	0	0	0	0	6	1	0	0	80
81	15	5	3	2	0	0	6	16	0	0	90
91	0	0	44	6	0	65	6	0	95	24	100
101	10	0	0	4	0	0	0	0	0	0	110
111	15	0	0	15	0	78	137	134	96	0	120
121	62	36	0	32	0	0	0	0	0	30	130
131	116	0	32	0	0	13	0	0	0	0	140

ORIGIN ZONE 104	PURPOSE 1	11828 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	9	0	0	23	26	28	84	0	0	10
11	0	0	0	31	0	0	20	0	0	4	20
21	0	3	4	0	0	0	5	0	0	0	30
31	0	26	13	14	5	3	0	6	0	15	40
41	0	0	5	0	0	0	8	0	0	9	50
51	0	12	0	0	3	18	3	6	32	10	60
61	4	96	25	28	0	15	35	9	73	9	70
71	67	7	9	10	14	0	0	26	0	0	80
81	71	10	45	82	0	0	59	34	15	220	90
91	34	30	524	36	109	2101	377	200	956	586	100
101	71	12	65	343	1503	9	41	0	0	0	110
111	139	0	43	0	93	304	1657	168	251	45	120
121	226	0	26	0	0	0	13	35	0	36	130
131	204	0	38	30	0	24	10	0	0	0	140
141	0	2	9	0	0	0	0	0	0	0	140

ORIGIN ZONE 104	PURPOSE 2	5213 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	1	5	3	0	13	15	0	0	10
11	0	0	0	0	0	0	7	0	2	2	20
21	0	2	0	4	2	0	0	0	0	4	40
41	0	0	0	0	0	0	3	0	0	2	50
51	0	3	0	4	0	17	5	0	7	3	60
61	0	23	3	9	3	12	5	6	28	3	70

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
71	19	0	0	13	3	0	0	8	0	4	80
81	14	0	11	24	0	3	25	44	20	83	90
91	32	0	276	14	73	525	182	104	463	226	100
101	108	0	19	274	765	4	10	0	0	0	110
111	323	0	95	16	29	45	430	126	88	21	120
121	130	5	38	28	0	17	16	21	0	30	130
131	127	0	0	17	36	17	0	0	0	0	140
141	0	0	11	0	0	0	0	0	0	0	140

ORIGIN ZONE 104	PURPOSE 3	101 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	7	0	0	0	0	0	5	0	0	10
91	0	0	17	0	0	46	15	0	0	0	100
101	2	0	0	0	9	0	0	0	0	0	110

ORIGIN ZONE 104	PURPOSE 4	3612 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	14	0	0	6	11	4	35	0	0	10
11	0	0	0	0	1	0	35	0	5	22	20
21	0	2	0	2	7	0	0	0	0	0	30
31	0	13	10	25	3	0	0	0	0	20	40
41	5	0	0	3	1	3	4	0	1	9	50
51	5	9	0	2	8	20	4	0	27	4	60
61	0	46	14	15	0	9	26	10	41	9	70
71	79	2	0	8	3	12	7	1	0	5	80
81	39	32	24	57	0	1	35	51	1	42	90
91	16	0	214	0	7	514	121	46	415	58	100
101	32	0	2	51	94	0	0	0	0	0	110
111	19	0	16	14	0	221	222	188	136	0	120
121	78	0	19	37	0	0	3	18	0	19	130
131	71	0	23	38	9	18	0	0	0	0	140

ORIGIN ZONE 105	PURPOSE 1	36373 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	42	0	48	29	121	232	287	22	0	10
11	0	0	0	85	0	17	67	0	29	31	20
21	0	18	5	6	19	0	0	0	0	0	30
31	0	76	24	88	6	25	6	6	0	66	40
41	15	0	13	12	0	7	25	0	12	36	50
51	19	0	0	0	50	75	19	23	85	22	60
61	10	411	94	116	7	25	47	10	229	45	70



MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
71	234	41	16	73	36	20	10	131	0	26	80
81	100	99	87	200	16	13	169	145	16	281	90
91	26	32	1323	82	209	4237	1189	1549	4706	4351	100
101	225	22	30	1580	1774	0	0	0	0	0	110
111	256	0	51	0	0	813	5431	508	153	185	120
121	615	0	0	129	0	32	114	417	0	94	130
131	1016	0	161	206	20	160	59	0	9	11	140
141	0	0	43	0							

ORIGIN ZONE 105 PURPOSE 2 11089 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	1	1	0	9	12	21	52	0	0	10
11	0	0	0	3	16	0	16	0	12	37	20
21	2	0	2	0	0	0	0	0	0	0	30
31	0	9	2	5	3	0	0	3	0	4	40
41	0	0	0	0	0	0	0	0	0	5	50
51	3	0	0	0	12	10	3	4	2	6	60
61	3	83	24	27	0	13	47	3	43	7	70
71	77	13	2	41	10	16	2	25	4	0	80
81	17	24	42	63	0	7	51	59	7	110	90
91	10	0	358	8	49	784	342	487	1662	1573	100
101	145	9	11	769	1089	10	9	0	0	0	110
111	75	0	43	4	11	464	1073	99	69	8	120
121	155	8	29	29	31	0	7	37	0	27	130
131	367	0	36	32	45	13	17	0	0	0	140
141	0	0	17	1							

ORIGIN ZONE 105 PURPOSE 3 716 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	19	0	142	35	0	0	10
41	0	0	0	0	19	5	0	0	0	0	50
51	0	0	0	0	0	0	0	0	6	0	60
61	0	27	13	8	0	0	0	0	2	0	70
71	16	0	0	0	0	4	0	0	2	0	80
81	0	16	0	8	0	0	0	0	0	0	90
91	10	0	28	28	4	88	20	0	73	0	100
101	10	0	0	9	12	0	0	0	0	0	110
111	0	0	0	0	0	42	4	0	13	0	120
131	0	19	0	0	0	34	0	0	0	0	140

ORIGIN ZONE 105 PURPOSE 4 5070 TOTAL ORIG/PROD

MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	2	43	0	4	15	62	60	48	5	0	10
11	0	0	0	0	0	0	96	0	80	70	20
21	12	0	4	2	2	3	3	2	0	0	30
31	0	46	20	16	3	0	3	2	0	45	40
41	0	0	4	5	10	6	7	0	3	20	50
51	12	2	0	0	17	22	6	1	17	2	60
61	2	73	20	26	0	27	11	8	68	11	70
71	60	80	4	16	4	5	11	0	2	6	80
81	36	8	47	36	5	0	32	47	0	35	90
91	10	0	204	2	47	213	174	58	413	169	100
101	54	0	0	93	67	0	1	0	0	0	110
111	19	0	0	19	0	321	834	211	144	38	120
121	0	0	0	34	0	34	25	7	0	34	130
131	196	0	21	18	0	7	81	3	0	4	140
141	0	0	22	0							

ORIGIN ZONE 106 PURPOSE 1 1108 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
41	0	0	0	22	0	0	0	0	0	0	50
71	16	0	0	0	0	0	8	0	0	0	80
81	0	0	0	16	0	0	0	14	0	0	90
91	0	0	0	0	0	15	41	83	57	27	100
101	0	0	0	25	0	0	0	0	0	0	110
111	0	0	0	0	0	172	264	47	19	0	120
121	80	52	0	0	0	0	0	81	0	25	130
131	0	0	0	15	0	29	0	0	0	0	140

ORIGIN ZONE 106 PURPOSE 2 159 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
41	1	0	0	0	0	0	0	0	0	0	60
81	0	0	5	0	0	0	0	0	0	0	90
91	0	0	0	0	0	0	1	4	7	14	100
101	0	0	0	2	7	0	0	0	0	0	110
111	0	0	0	0	0	49	27	0	0	0	120
121	10	0	0	0	0	0	0	19	0	0	130
131	7	0	0	0	0	2	4	0	0	0	140

ORIGIN ZONE 106 PURPOSE 3 215 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
121	215	0	0	0	0	0	0	0	0	0	130



ORIGIN ZONE 106		PURPOSE 4		97 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1		0	0	0	0	0	3	0	0	0	0	10	
11		0	0	0	0	0	0	0	0	0	4	20	
51		0	0	0	0	0	2	0	0	0	0	60	
81		3	0	0	0	0	0	0	0	0	0	90	
91		3	0	0	0	0	6	4	2	0	8	100	
101		0	0	0	0	0	0	0	0	0	11	110	
111		0	0	0	0	0	0	27	12	9	0	120	
131		0	0	0	0	0	0	3	0	0	0	140	

ORIGIN ZONE 107		PURPOSE 1		11856 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
11		0	0	0	0	0	0	30	0	106	0	20	
51		17	0	0	0	0	0	0	20	18	0	60	
71		0	0	0	0	0	40	0	0	0	0	80	
81		0	20	55	0	0	0	39	0	0	0	90	
91		0	0	113	0	0	421	151	63	453	287	100	
101		0	165	0	41	0	0	0	0	0	0	110	
111		0	0	0	0	0	1395	4824	240	455	0	120	
121		141	0	0	107	0	0	256	853	0	83	130	
131		989	0	307	75	172	0	0	0	0	0	140	

ORIGIN ZONE 107		PURPOSE 2		1075 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
11		0	0	0	0	0	0	3	0	0	0	20	
31		0	3	0	0	0	0	0	0	0	0	40	
61		0	0	0	0	0	0	0	0	0	0	70	
71		7	0	0	0	0	0	0	0	0	0	80	
81		0	8	0	0	0	0	0	0	0	4	90	
91		18	0	26	0	0	27	6	0	32	11	100	
101		0	0	0	7	9	0	0	0	0	0	110	
111		0	0	0	0	0	205	193	7	8	0	120	
121		33	0	0	21	0	0	12	48	0	17	130	
131		116	0	25	0	12	8	5	0	0	0	140	
141		0	0	3	0								

ORIGIN ZONE 107		PURPOSE 3		1308 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
71		0	0	0	36	0	0	0	0	0	0	80	
111		0	0	0	0	0	0	1272	0	0	0	120	

ORIGIN ZONE 107		PURPOSE 4		826 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1		0	0	0	0	0	3	1	4	0	0	10	
11		0	0	0	0	0	0	3	0	12	4	20	
21		0	0	0	0	0	0	3	0	0	0	30	
31		0	0	0	1	0	0	0	0	0	0	40	
51		0	0	0	0	3	0	0	0	15	0	60	
61		0	5	0	0	0	0	1	1	5	4	70	
71		8	0	0	0	0	7	0	11	0	6	80	
81		4	0	0	0	0	0	0	17	0	7	90	
91		0	0	10	2	6	35	7	18	4	13	100	
101		0	0	0	0	3	0	0	6	0	0	110	
111		0	0	0	0	0	149	201	35	34	8	120	
121		0	0	0	16	0	0	24	0	0	12	130	
131		69	0	13	8	2	0	17	0	0	0	140	
141		0	0	9	0								

ORIGIN ZONE 108		PURPOSE 1		2118 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
11		0	0	0	0	0	0	20	0	0	0	20	
51		12	0	0	0	0	0	0	0	0	0	60	
71		26	0	0	0	0	0	0	0	0	0	80	
91		0	0	137	0	0	60	78	0	46	34	100	
111		0	0	0	0	0	182	729	301	0	0	120	
121		56	0	97	0	0	0	42	66	0	55	130	
131		177	0	0	0	0	0	0	0	0	0	140	

ORIGIN ZONE 108		PURPOSE 2		171 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1		0	0	0	0	0	0	3	0	0	0	10	
61		0	4	0	7	0	0	0	0	0	0	70	
91		0	0	0	0	0	0	0	0	6	0	100	
111		0	0	0	0	0	56	37	6	6	6	120	
121		16	0	0	0	0	0	9	0	0	8	130	
131		7	0	0	0	0	0	0	0	0	0	140	

ORIGIN ZONE 108		PURPOSE 3		45 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
21		0	0	0	45	0	0	0	0	0	0	30	



ORIGIN ZONE 108		PURPOSE 4		195 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1		0	0	0	0	0	0	0	2	0	0	10	
21		0	0	0	0	0	0	0	0	0	1	30	
51		0	0	0	0	0	0	5	0	0	0	60	
61		0	0	0	0	0	2	0	0	0	0	70	
71		5	0	0	0	0	0	0	0	2	0	80	
81		0	0	17	1	0	0	0	0	4	0	90	
91		0	0	2	0	6	5	7	0	2	19	100	
101		0	0	0	0	0	0	7	0	0	0	110	
111		0	0	0	0	0	0	14	12	7	0	120	
121		0	0	0	11	0	0	0	0	0	14	130	
131		6	0	3	24	0	9	4	0	0	0	140	
141		0	0	4	0								
ORIGIN ZONE 109		PURPOSE 1		47 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
91		0	0	9	0	0	0	0	0	0	0	100	
131		38	0	0	0	0	0	0	0	0	0	140	
ORIGIN ZONE 109		PURPOSE 2		46 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
11		0	0	0	0	0	0	3	0	0	0	20	
81		0	0	0	0	0	0	0	7	0	0	90	
111		0	0	0	0	0	0	7	0	0	0	120	
121		0	0	0	0	0	20	9	0	0	0	130	
ORIGIN ZONE 109		PURPOSE 3		0 TOTAL ORIG/PROD									
ORIGIN ZONE 109		PURPOSE 4		18 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1		0	0	0	4	0	0	0	0	0	0	10	
51		0	0	0	0	2	0	0	0	0	0	60	
61		0	1	1	0	0	0	0	0	0	0	70	
91		0	0	0	0	0	0	3	0	0	0	100	
121		0	0	0	0	0	0	5	0	0	0	130	
131		2	0	0	0	0	0	0	0	0	0	140	
ORIGIN ZONE 110		PURPOSE 1		1430 TOTAL ORIG/PROD									

TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1		0	0	0	0	0	0	35	0	0	0	10	
11		0	0	0	0	0	0	15	0	0	0	20	
71		10	0	0	0	0	0	21	0	0	0	80	
81		0	0	0	0	0	0	0	0	0	18	90	
91		0	0	0	0	0	9	0	0	0	0	100	
111		0	0	0	0	0	228	677	58	0	0	120	
121		0	32	27	0	0	0	99	152	0	0	130	
131		0	0	0	39	0	0	0	0	0	0	140	
ORIGIN ZONE 110		PURPOSE 2		272 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
81		0	0	0	4	0	0	4	0	0	7	90	
91		0	0	0	0	0	0	4	0	0	0	100	
111		0	0	0	0	0	91	162	0	0	0	120	
ORIGIN ZONE 110		PURPOSE 3		0 TOTAL ORIG/PROD									
ORIGIN ZONE 110		PURPOSE 4		89 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1		0	2	0	0	0	0	0	0	0	0	10	
51		1	0	0	0	0	0	0	0	0	0	60	
61		0	0	0	0	0	0	2	0	0	0	70	
81		0	0	0	0	0	0	0	0	0	4	90	
91		0	0	0	0	0	0	4	2	0	0	100	
101		0	0	0	0	0	8	0	0	0	0	110	
111		0	0	0	0	0	19	21	3	1	0	120	
121		0	0	0	14	0	0	0	5	0	0	130	
131		0	0	0	0	0	0	0	0	0	3	140	
ORIGIN ZONE 111		PURPOSE 1		6003 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1		0	6	0	0	8	13	4	54	0	0	10	
11		0	0	0	0	0	0	16	6	0	13	20	
21		2	0	0	5	0	0	0	0	0	0	30	
31		0	15	23	2	0	0	0	6	0	13	40	
41		0	0	0	0	0	0	21	0	0	3	50	
51		0	0	0	0	7	5	12	9	25	6	60	
61		0	43	11	11	7	0	2	0	22	4	70	
71		24	0	0	27	0	0	10	10	3	0	80	
81		6	6	0	40	0	0	35	34	0	26	90	



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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
91	18	10	171	0	0	93	24	12	35	41	100
101	0	60	358	139	257	0	0	0	0	0	110
111	0	0	0	66	30	724	1573	212	12	60	120
121	71	27	13	91	0	0	92	573	0	16	130
131	363	0	73	58	48	66	14	0	0	0	140
141	0	0	6	2							

ORIGIN ZONE 111	PURPOSE 2	2164 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	4	0	0	3	0	0	22	0	0	10
21	0	0	0	0	0	0	0	0	0	0	30
31	0	4	2	0	0	0	0	0	0	0	40
41	0	0	0	0	0	0	0	0	0	0	50
51	0	0	0	0	0	0	0	0	0	0	60
61	0	11	8	2	0	3	0	0	2	0	70
71	7	0	0	0	0	5	0	0	2	0	80
81	4	0	0	0	0	0	0	0	2	0	90
91	7	14	33	0	0	114	3	3	25	15	100
101	0	0	101	327	75	0	23	0	34	14	110
111	0	5	0	0	11	380	519	54	0	0	120
121	51	0	12	39	18	0	37	80	44	0	130
131	161	0	48	0	0	9	5	0	0	3	140

ORIGIN ZONE 111	PURPOSE 3	189 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	8	15	0	0	0	0	10
41	0	0	0	0	0	0	0	0	0	6	50
61	0	0	0	0	0	0	0	0	13	0	70
81	0	0	0	0	0	0	0	0	3	0	90
111	0	0	0	0	0	59	0	0	0	0	120
121	23	31	0	0	0	0	0	0	0	0	130
131	0	0	0	0	0	21	0	0	0	0	140

ORIGIN ZONE 111	PURPOSE 4	1466 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	10	0	0	8	22	0	25	4	0	10
11	0	0	0	0	0	0	9	0	17	8	20
21	1	0	0	0	0	0	3	0	0	0	30
31	0	4	7	4	0	0	0	3	0	7	40
41	0	0	0	0	4	0	0	0	0	1	50
51	2	0	0	0	0	8	2	5	18	0	60

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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
61	0	18	7	10	0	3	5	3	9	5	70
71	30	6	0	4	0	8	1	5	0	0	80
81	26	4	10	28	0	0	3	12	0	3	90
91	0	6	51	3	6	61	6	3	12	18	100
101	0	0	16	22	19	0	0	0	0	0	110
111	31	0	0	0	0	132	224	91	62	8	120
121	19	0	0	35	0	9	39	23	0	20	130
131	81	1	14	18	8	31	17	0	0	0	140
141	2	0	10	0							

ORIGIN ZONE 112	PURPOSE 1	726 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
91	0	0	0	0	0	18	0	0	0	0	100
111	0	0	0	0	0	276	366	0	0	0	120
121	46	16	0	0	4	0	0	0	0	0	130

ORIGIN ZONE 112	PURPOSE 2	289 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
81	0	0	0	0	0	0	0	0	0	6	90
91	0	0	0	9	0	0	0	0	0	0	100
111	3	0	0	0	0	88	98	14	6	0	120
121	20	0	0	10	11	0	0	5	0	0	130
131	6	0	0	0	0	0	13	0	0	0	140

ORIGIN ZONE 112	PURPOSE 3	0 TOTAL ORIG/PROD									
ORIGIN ZONE 112	PURPOSE 4	78 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
31	0	0	0	0	0	0	0	1	0	0	40
81	0	0	2	0	0	0	0	0	0	0	90
111	0	0	0	0	2	30	31	0	0	0	120
121	0	0	0	10	0	0	0	0	0	0	130
141	0	0	2	0							

ORIGIN ZONE 113	PURPOSE 1	209 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	4	0	0	0	0	10
31	0	0	0	0	0	0	0	0	0	6	40



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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
71	11	0	0	0	0	0	0	0	0	0	80
91	0	0	5	0	0	0	0	0	6	0	100
101	7	0	43	26	31	0	0	0	0	0	110
111	0	0	0	0	0	0	12	0	0	0	120
121	0	0	0	0	0	0	11	0	0	0	130
131	0	0	0	27	0	0	0	0	0	0	140
ORIGIN ZONE 113	PURPOSE 2	554 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
91	0	0	0	0	0	0	0	0	0	16	100
101	0	94	0	90	50	0	0	0	0	0	110
111	0	0	0	0	0	22	58	0	0	0	120
121	0	0	0	0	0	15	82	9	0	0	130
131	87	0	18	13	0	0	0	0	0	0	140
ORIGIN ZONE 113	PURPOSE 3	1 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
71	0	0	0	0	0	0	1	0	0	0	80
ORIGIN ZONE 113	PURPOSE 4	65 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
31	0	0	0	2	0	0	0	0	0	0	40
51	0	0	0	0	0	1	0	0	0	0	60
81	0	0	0	12	0	0	0	0	0	0	90
91	3	0	0	0	0	0	0	0	0	0	100
101	0	0	0	15	0	0	0	0	0	0	110
121	0	0	0	0	0	0	30	0	0	0	130
131	2	0	0	0	0	0	0	0	0	0	140
ORIGIN ZONE 114	PURPOSE 1	1327 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	0	0	4	0	0	10
11	0	0	0	0	0	0	3	0	5	0	20
61	0	5	3	0	0	0	0	0	0	0	70
71	0	3	0	0	0	0	0	0	0	0	80
101	0	0	38	0	0	0	0	0	0	0	110
111	63	0	0	0	78	747	1084	111	118	0	120
121	118	13	6	46	34	0	0	537	25	17	130
131	176	22	27	39	0	0	0	0	0	0	140

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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
141	0	0	3	0							
ORIGIN ZONE 114	PURPOSE 2	1308 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
51	0	0	0	0	0	0	0	0	3	0	60
71	12	0	0	0	0	0	0	0	0	0	80
81	0	0	0	0	0	0	0	0	0	0	90
91	0	0	0	0	0	2	0	0	0	0	100
101	4	0	0	12	9	0	0	0	0	0	110
111	0	0	0	0	6	319	404	56	43	0	120
121	43	0	31	51	15	0	0	59	0	0	130
131	189	0	21	12	0	0	0	0	0	0	140
ORIGIN ZONE 114	PURPOSE 3	82 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
111	0	0	0	0	0	5	0	0	0	0	120
131	0	0	0	0	0	0	0	77	0	0	130
ORIGIN ZONE 114	PURPOSE 4	880 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	6	0	0	0	0	0	0	10
31	0	0	0	0	0	0	0	0	0	3	40
61	0	0	2	0	0	0	0	0	0	0	70
91	0	0	0	0	0	14	0	0	7	3	100
101	0	0	13	17	15	0	0	0	0	0	110
111	0	0	0	0	0	201	193	97	65	14	120
121	9	7	0	0	0	27	0	24	0	13	130
131	108	1	8	22	0	6	0	0	0	0	140
141	0	0	5	0							
ORIGIN ZONE 115	PURPOSE 1	4540 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
71	0	0	0	0	0	0	21	15	0	0	80
81	6	0	0	0	0	0	0	0	0	18	90
91	0	0	0	0	0	0	0	6	0	0	100
101	0	0	0	100	0	0	0	0	0	0	110
111	29	0	0	63	101	1150	2077	122	131	0	120
121	206	6	14	0	31	19	44	34	0	0	130
131	112	0	73	66	0	49	0	0	0	0	140



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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
141	0	13	26	0							
ORIGIN ZONE 115	PURPOSE 2	1084 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
81	9	0	0	0	0	0	0	0	0	0	90
101	0	0	0	29	11	0	0	0	0	0	110
111	11	0	0	6	22	366	400	28	25	4	120
121	42	16	21	10	0	5	13	4	0	0	130
131	51	0	11	0	0	0	0	0	0	0	140
ORIGIN ZONE 115	PURPOSE 3	145 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
111	0	0	0	0	0	0	1	0	0	0	120
121	144	0	0	0	0	0	0	0	0	0	130
ORIGIN ZONE 115	PURPOSE 4	578 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	6	0	0	0	0	0	10
61	0	0	0	0	0	0	0	0	0	4	70
81	0	0	0	0	0	0	3	0	0	0	90
111	0	4	0	0	6	177	182	54	38	0	120
121	90	15	0	7	0	8	17	0	0	0	130
131	7	0	0	0	0	0	0	0	0	0	140
ORIGIN ZONE 116	PURPOSE 1	8769 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	4	15	0	0	10	21	32	41	5	0	10
11	0	0	2	17	0	0	15	0	4	1	20
21	0	4	5	0	10	0	0	0	0	0	30
31	0	19	5	13	3	2	0	0	0	15	40
41	0	0	0	1	0	0	0	0	0	8	50
51	6	0	0	0	0	19	3	4	30	1	60
61	0	39	10	11	2	0	4	0	40	7	70
71	14	0	0	6	1	15	8	11	1	3	80
81	14	3	11	36	0	7	14	28	0	49	90
91	0	10	77	0	0	103	13	19	63	48	100
101	19	246	427	295	806	171	1387	150	0	221	110
111	713	273	0	738	1140	95	77	5	0	41	120
121	17	8	0	2	0	0	101	13	0	22	130

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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
131	571	0	87	70	20	29	11	0	0	2	140
141	0	0	9	0							
ORIGIN ZONE 116	PURPOSE 2	3455 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	2	8	15	0	0	10
11	0	0	0	0	0	0	5	0	6	10	20
21	1	2	0	0	0	0	0	0	0	0	30
31	0	3	0	4	7	0	1	0	0	3	40
41	0	0	0	0	0	20	0	0	2	6	50
51	1	0	0	0	0	3	2	0	5	3	60
61	0	14	5	2	0	0	3	8	0	0	70
71	19	2	4	13	0	0	3	8	0	0	80
81	0	0	4	6	0	0	3	8	3	9	90
91	4	0	49	0	0	40	18	6	20	38	100
101	2	68	60	51	458	46	203	52	0	94	110
111	378	86	25	317	362	149	46	19	13	11	120
121	71	1	9	12	0	2	68	8	0	107	130
131	253	0	39	14	16	7	13	0	1	0	140
141	0	71	7	0							
ORIGIN ZONE 116	PURPOSE 3	253 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	3	0	0	0	2	5	7	4	0	10
21	0	0	0	0	0	0	4	0	0	0	30
31	0	22	2	0	0	0	0	0	0	2	40
41	0	0	2	0	0	0	0	0	0	0	50
61	0	14	3	4	0	0	2	0	1	0	70
71	3	0	0	0	1	0	10	0	0	0	80
91	0	0	3	0	0	9	0	0	0	0	100
101	0	0	0	0	40	0	0	0	0	0	110
111	71	0	0	5	0	0	0	0	0	9	120
131	15	0	4	0	0	0	6	0	0	0	140
ORIGIN ZONE 116	PURPOSE 4	3710 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	3	90	0	16	12	36	18	38	13	0	10
11	0	0	0	7	0	0	38	3	9	45	20
21	5	3	2	5	1	3	4	0	0	0	30
31	0	23	25	63	17	0	1	10	0	22	40
41	0	0	2	0	27	0	7	0	0	16	50
51	0	4	0	0	8	18	9	3	26	4	60



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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
61	0	54	16	22	0	12	22	4	39	7	70
71	67	0	0	0	0	6	9	11	2	0	80
81	48	5	17	44	0	0	23	4	4	26	90
91	4	1	105	18	0	82	68	5	57	15	100
101	3	33	77	222	313	0	152	0	0	18	110
111	131	28	0	200	178	97	108	22	14	42	120
121	14	0	0	0	0	7	59	0	0	30	130
131	295	0	30	69	25	9	32	0	0	1	140
141	0	0	40	0							

ORIGIN ZONE 117 PURPOSE 1 41295 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	48	4	5	30	107	150	236	9	0	10
11	0	2	0	30	3	1	77	3	14	23	20
21	19	18	15	10	0	0	13	0	0	0	30
31	0	32	20	29	4	0	4	3	0	39	40
41	0	0	6	8	13	9	4	0	5	22	50
51	9	12	0	1	12	50	17	22	60	10	60
61	1	209	50	56	5	17	32	9	79	13	70
71	159	36	11	24	8	48	23	86	13	0	80
81	53	29	46	112	0	1	131	138	25	163	90
91	41	33	506	14	16	709	159	101	392	253	100
101	36	1712	1334	1633	5342	253	4732	723	0	675	110
111	1539	358	13	1071	2043	76	20	0	0	340	120
121	14	4	0	8	0	0	572	63	56	413	130
131	8890	26	1741	1408	274	600	93	3	1	10	140
141	9	6	103	4							

ORIGIN ZONE 117 PURPOSE 2 10300 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	6	0	0	2	62	47	52	4	0	10
11	0	0	0	0	0	0	26	8	5	18	20
21	9	3	0	1	3	0	0	0	0	0	30
31	0	9	3	6	0	1	0	3	0	15	40
41	0	2	6	16	7	3	2	0	0	0	50
51	2	0	0	0	6	29	8	2	11	0	60
61	2	65	20	20	4	9	0	0	29	10	70
71	48	2	10	26	3	6	14	16	8	0	80
81	15	6	16	30	0	0	9	21	8	26	90
91	9	19	179	0	0	199	39	19	108	66	100
101	27	382	334	437	1078	27	397	38	12	165	110
111	519	97	57	403	392	46	9	1	2	88	120
121	2	6	0	8	2	0	192	9	17	383	130

MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
131	2642	13	380	392	136	118	27	0	1	2	140
141	2	2	35	0							

ORIGIN ZONE 117 PURPOSE 3 636 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	1	0	0	0	1	3	1	0	0	10
21	0	0	0	0	0	1	9	0	0	0	30
31	0	0	0	0	0	0	1	0	0	0	60
61	0	1	1	1	0	0	0	0	0	0	70
71	1	1	0	0	0	0	0	0	0	0	80
81	0	0	0	0	0	0	1	0	0	0	90
91	1	0	0	0	0	0	0	0	0	0	100
101	0	0	1	0	3	0	606	0	0	0	110
111	0	0	0	1	0	0	0	0	0	0	120
121	1	0	0	0	0	0	0	0	0	0	130
131	3	0	0	0	0	2	3	0	0	1	140

ORIGIN ZONE 117 PURPOSE 4 9007 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	7	244	3	74	17	103	144	126	2	0	10
11	0	0	0	8	10	0	103	9	47	55	20
21	57	3	21	5	13	28	0	0	0	0	30
31	0	62	25	38	10	1	6	13	1	91	40
41	2	4	16	36	55	13	25	2	0	29	50
51	10	2	1	0	3	57	22	0	78	3	60
61	2	135	38	53	4	15	32	12	165	15	70
71	135	76	9	55	0	22	28	22	13	11	80
81	45	11	41	77	0	7	62	27	7	48	90
91	28	22	305	6	0	245	93	20	140	108	100
101	17	134	161	220	835	32	199	18	0	20	110
111	223	33	0	192	181	108	44	11	18	53	120
121	0	0	0	0	0	0	119	0	3	160	130
131	1394	0	170	382	109	57	199	2	6	7	140
141	2	7	141	0							

ORIGIN ZONE 118 PURPOSE 1 4882 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	5	0	4	0	14	19	22	0	0	10
11	0	0	0	0	0	0	12	0	0	0	20
31	0	12	3	2	0	0	0	0	7	3	40
41	1	0	3	0	4	0	0	0	0	0	50



MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
51	4	0	0	0	0	6	3	0	0	0	60
61	0	31	9	10	0	0	1	0	10	4	70
71	15	12	0	0	2	5	0	16	0	0	80
81	2	5	13	12	0	0	36	15	0	38	90
91	5	6	40	5	5	87	17	11	49	39	100
101	5	117	236	173	570	61	224	298	0	57	110
111	210	0	0	109	116	6	0	0	0	87	120
121	0	0	0	0	0	0	83	11	0	108	130
131	1153	0	127	292	73	98	19	2	0	0	140
141	0	0	15	0							

ORIGIN ZONE 118 PURPOSE 2 1568 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	3	0	0	6	0	0	10
11	0	0	0	0	0	0	6	0	0	4	20
21	2	0	0	0	0	0	0	0	0	0	30
31	0	1	0	0	0	0	0	1	0	0	40
41	0	0	0	0	0	0	2	0	0	0	50
51	0	0	0	0	0	3	4	0	6	0	60
61	0	6	2	0	0	0	0	4	5	4	70
71	3	0	0	0	2	0	0	5	0	0	80
81	5	1	0	3	0	0	3	4	8	0	90
91	7	0	21	3	2	23	3	4	11	7	100
101	2	24	52	119	101	0	6	5	0	0	110
111	56	14	0	59	29	19	2	2	1	51	120
121	0	1	0	0	0	0	9	0	2	60	130
131	427	0	45	188	93	15	3	0	0	0	140
141	1	0	4	0							

ORIGIN ZONE 118 PURPOSE 3 111 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	5	0	4	0	4	2	9	0	0	10
11	0	3	0	0	0	0	0	0	0	0	20
21	0	0	0	0	0	0	0	0	0	0	30
31	0	0	0	0	0	0	0	0	0	2	40
41	0	0	2	0	0	1	0	0	0	0	50
51	0	2	1	0	0	0	0	0	0	0	60
61	0	0	0	0	0	0	0	2	0	0	70
71	0	0	0	0	0	0	0	2	0	0	80
81	0	0	0	0	0	0	3	0	0	0	90
91	0	0	9	0	0	0	2	0	0	0	100
101	53	0	0	0	0	0	7	0	0	0	110
111											120
121											130
131											140
141											

ORIGIN ZONE 118 PURPOSE 4 3927 TOTAL ORIG/PROD

MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	2	312	1	43	0	31	27	26	0	0	10
11	0	0	0	12	4	0	7	17	15	8	20
21	0	2	0	9	0	0	0	0	0	0	30
31	0	33	11	16	11	3	0	6	0	25	40
41	0	0	3	6	10	0	9	0	0	10	50
51	0	4	0	1	3	31	0	1	122	5	60
61	3	62	16	23	0	5	14	3	57	7	70
71	38	6	1	9	8	12	1	10	1	2	80
81	34	5	25	42	0	0	23	29	6	29	90
91	7	6	133	0	0	56	37	18	52	43	100
101	6	39	133	191	211	7	40	12	0	2	110
111	97	0	0	95	52	24	10	33	17	163	120
121	0	18	0	0	0	0	25	5	0	55	130
131	612	0	71	154	29	27	10	0	0	0	140
141	0	0	40	2							

ORIGIN ZONE 119 PURPOSE 1 1825 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	7	0	0	7	11	18	17	0	0	10
11	0	0	0	0	0	0	15	0	5	0	20
21	0	0	2	0	0	0	0	0	0	0	30
31	0	19	0	4	0	0	0	0	0	0	40
41	0	0	0	8	0	0	0	0	0	6	50
51	0	0	0	0	0	18	2	0	10	6	60
61	0	12	2	6	0	4	0	0	6	4	70
71	24	0	0	5	2	11	4	3	0	0	80
81	0	0	6	13	0	2	17	7	15	4	90
91	6	0	41	0	0	38	10	0	36	13	100
101	19	0	79	247	150	19	477	0	0	0	110
111	9	0	0	119	120	0	0	0	0	175	120
121	0	4	0	0	0	0	42	0	0	48	130
131	1072	0	267	139	46	90	14	1	0	0	140
141	2	1	12	0							

ORIGIN ZONE 119 PURPOSE 2 1170 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	4	0	0	5	0	0	10
11	0	0	0	0	0	0	4	0	0	3	20
21	0	1	0	0	0	0	0	0	0	0	30
31	0	0	0	0	0	0	0	0	0	1	40
41	2	0	0	0	0	0	0	0	0	0	50
51	0	0	0	0	0	4	2	0	5	0	60
61	0	3	2	0	0	0	0	3	3	2	70
71	4	0	0	0	2	0	0	5	0	0	80



MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
81	1	2	0	2	0	0	2	4	3	0	90
91	6	0	12	4	3	18	2	3	1	9	100
101	0	17	34	90	79	0	0	5	0	0	110
111	40	10	0	45	22	12	2	1	2	40	120
121	0	1	0	0	0	0	6	0	3	39	130
131	324	0	36	143	71	13	0	0	0	0	140
141	0	0	4	0	0	0	0	0	0	0	
ORIGIN ZONE 119	PURPOSE 3	65 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	15	0	0	7	0	0	1	0	0	10
21	0	0	0	0	0	0	6	0	0	0	30
61	0	0	0	0	0	1	0	0	0	0	70
71	0	4	0	0	0	0	0	0	0	0	80
91	0	0	3	0	0	0	0	0	0	0	100
101	0	0	0	0	14	0	0	0	0	0	110
131	3	0	0	3	0	6	0	0	0	0	140
ORIGIN ZONE 119	PURPOSE 4	2684 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	2	214	0	31	0	19	18	23	0	0	18
11	0	0	0	9	3	0	1	12	8	5	20
21	0	3	0	5	0	0	0	0	0	0	30
31	0	21	9	27	7	0	0	7	0	14	40
41	2	0	0	5	8	1	3	0	0	8	50
51	3	2	0	0	0	26	0	1	77	4	60
61	0	42	12	16	0	1	11	0	44	5	70
71	60	3	1	8	8	2	4	7	1	0	80
81	22	4	14	32	0	0	18	15	6	21	90
91	8	4	87	0	0	17	23	12	37	26	100
101	6	26	97	128	144	4	31	5	0	1	110
111	66	0	0	67	36	12	9	22	16	119	120
121	0	10	0	0	0	0	15	3	0	41	130
131	406	0	48	108	19	21	19	0	0	0	140
142	1	0	31	2	0	0	0	0	0	0	
ORIGIN ZONE 120	PURPOSE 1	2794 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	24	0	14	13	0	0	10
11	0	0	0	0	0	0	11	0	0	0	20
21	0	0	14	0	0	0	0	0	0	0	30

MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
61	0	7	0	3	0	0	0	0	0	0	70
71	0	0	0	0	0	0	0	0	0	3	80
81	0	0	16	0	0	0	0	0	0	0	90
91	0	0	4	0	0	0	9	0	0	0	100
101	0	0	0	52	184	0	0	0	0	0	110
111	58	0	0	0	0	42	344	88	180	533	120
121	20	9	0	7	7	0	20	3	0	0	130
131	234	0	155	612	40	72	16	0	0	0	140
143	0	0	0	3	0	0	0	0	0	0	
ORIGIN ZONE 120	PURPOSE 2	721 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	1	0	0	7	0	0	0	0	0	10
31	0	4	0	0	0	0	0	0	0	0	40
51	0	0	0	0	0	0	0	0	1	0	60
91	0	0	0	0	0	8	0	0	0	1	100
101	0	0	0	25	13	0	0	9	0	0	110
111	0	0	0	0	1	13	87	51	43	65	120
121	14	6	0	0	0	5	0	0	0	11	130
131	96	0	48	171	10	10	0	0	0	0	140
ORIGIN ZONE 120	PURPOSE 3	40 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	15	0	0	0	0	10
71	0	0	0	0	0	0	0	5	0	0	80
111	0	0	0	0	0	10	1	0	0	0	120
121	9	0	0	0	0	0	0	0	0	0	130
ORIGIN ZONE 120	PURPOSE 4	882 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	2	0	0	0	1	7	0	7	0	10
11	0	0	0	0	0	0	2	17	0	10	20
21	0	0	3	0	0	8	8	0	0	0	30
31	0	0	0	2	8	0	0	8	0	10	40
41	0	0	0	0	0	4	0	0	4	0	50
51	0	0	0	2	0	1	0	0	0	0	60
61	0	3	2	4	0	0	2	0	0	0	70
91	0	0	9	0	0	0	0	0	0	5	100
101	0	0	0	0	18	0	6	0	0	0	110
111	10	0	0	14	0	43	56	168	120	130	120
121	34	17	4	0	0	0	0	0	0	0	130



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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
131	32	0	0	39	10	6	25	0	6	0	140
141	1	0	7	0							
ORIGIN ZONE 121	PURPOSE 1	6719 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	5	12	0	4	4	5	19	16	0	0	10
11	0	0	0	0	0	0	15	0	0	10	20
21	0	0	0	0	0	0	0	0	0	0	30
31	0	0	0	0	0	0	0	0	0	0	40
41	4	0	0	0	0	10	0	0	0	0	50
51	4	0	0	0	0	12	0	0	4	1	60
61	0	30	0	0	0	4	1	0	0	0	70
71	20	2	0	0	0	6	0	2	0	0	80
81	0	6	15	1	0	0	6	35	0	17	90
91	0	16	78	0	2	47	30	17	04	17	100
101	17	92	167	223	596	68	180	65	0	0	110
111	70	45	0	116	197	17	12	0	0	21	120
121	3	0	0	5	0	0	230	33	37	171	130
131	2725	0	623	248	25	90	30	0	0	2	140
141	0	2	13	3							
ORIGIN ZONE 121	PURPOSE 2	2347 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	1	0	0	0	1	0	0	0	0	0	10
11	0	0	0	0	0	0	5	0	2	4	20
21	7	0	0	0	0	2	2	0	0	0	30
31	0	0	0	2	0	0	0	0	0	0	40
41	1	0	0	0	0	0	0	0	0	0	50
51	0	4	2	2	0	0	0	1	0	0	60
61	0	0	0	3	0	6	0	0	0	0	70
71	11	0	0	0	0	0	9	5	0	0	80
81	3	3	0	3	0	0	1	12	13	16	90
91	4	0	28	0	0	8	33	15	0	0	100
101	0	0	75	126	156	4	4	0	0	14	110
111	51	16	0	46	42	18	4	0	10	136	120
121	0	4	0	0	0	0	93	4	0	0	130
131	1038	0	133	97	15	41	0	0	0	0	140
141	1	1	5	0							
ORIGIN ZONE 121	PURPOSE 3	438 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	0	0	13	0	0	10

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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
11	0	0	0	14	0	0	0	0	0	0	20
31	0	0	0	0	0	0	0	0	0	4	40
41	0	0	0	0	0	0	0	0	0	0	50
51	0	0	0	0	0	2	0	0	0	0	60
71	0	0	0	0	0	0	0	3	0	1	80
81	0	0	0	0	0	0	6	0	0	0	90
101	0	0	12	0	0	109	0	0	0	0	110
111	19	0	0	0	131	0	0	0	0	6	120
121	0	0	0	0	0	0	0	0	0	4	130
131	24	0	8	0	0	0	0	0	0	0	140
ORIGIN ZONE 121	PURPOSE 4	1406 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	3	20	0	5	0	0	15	7	0	0	10
11	0	0	0	0	0	0	14	0	0	23	20
31	0	0	0	8	0	0	0	9	0	13	40
41	0	0	0	11	8	0	1	0	0	0	50
51	0	0	0	0	2	1	2	0	11	3	60
61	0	21	5	7	0	0	0	0	0	0	70
71	18	0	1	0	0	4	6	4	0	0	80
81	11	2	2	17	0	0	10	21	0	0	90
91	4	6	33	11	6	31	12	7	12	8	100
101	6	0	63	75	0	0	0	0	0	0	110
111	20	0	0	9	51	14	0	0	0	34	120
121	0	0	0	0	0	0	50	0	6	104	130
131	403	4	25	17	23	8	30	0	0	2	140
141	0	1	19	0							
ORIGIN ZONE 122	PURPOSE 1	1131 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	4	0	0	0	0	0	10
11	0	0	0	0	0	0	0	0	0	0	20
41	0	0	0	6	0	0	0	0	0	0	50
51	0	0	0	0	0	0	0	0	0	0	60
61	0	4	0	0	0	0	1	5	0	0	70
71	6	0	0	0	0	0	2	10	0	0	80
81	0	0	2	4	0	15	0	0	0	11	90
91	0	0	6	0	0	45	0	0	0	25	100
101	0	0	0	7	17	9	4	0	0	6	110
111	34	5	0	0	0	0	11	13	0	0	120
121	0	0	0	0	23	20	0	0	0	0	130
131	687	0	69	16	0	0	0	0	0	0	140
141	0	0	2	0							



ORIGIN ZONE	122	PURPOSE	2	525 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE		
41	0	0	2	0	0	0	0	0	0	0	50		
61	0	0	0	2	0	0	0	0	0	0	70		
91	0	0	1	0	0	12	0	6	1	0	100		
101	0	0	23	3	10	0	0	0	0	0	110		
111	0	0	0	0	15	2	4	2	2	7	120		
121	2	0	0	0	0	0	13	2	0	22	130		
131	331	0	24	24	0	6	1	0	0	1	140		
ORIGIN ZONE	122	PURPOSE	3	41 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE		
111	29	0	0	0	0	0	0	0	0	0	120		
131	12	0	0	0	0	0	0	0	0	0	140		
ORIGIN ZONE	122	PURPOSE	4	374 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE		
1	0	19	0	0	4	0	0	0	0	0	10		
11	0	0	0	1	0	0	0	0	0	0	20		
31	0	0	1	0	0	0	0	0	0	0	40		
51	0	0	0	0	0	0	0	0	0	4	60		
61	0	3	0	0	0	0	0	0	0	70			
71	5	0	0	0	2	0	0	1	0	0	80		
81	0	3	8	0	0	0	0	9	0	0	90		
91	0	0	13	0	0	0	10	0	18	0	100		
101	0	0	38	0	0	0	0	0	0	0	110		
111	0	0	0	9	11	0	0	18	11	10	120		
121	0	0	0	0	0	0	16	0	0	15	130		
131	114	0	0	21	0	0	0	0	0	0	140		
141	0	0	4	0	0	0	0	0	0	0			
ORIGIN ZONE	123	PURPOSE	1	228 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE		
1	0	0	0	0	0	2	0	1	0	0	10		
31	0	0	0	0	0	0	0	3	0	0	40		
101	0	0	0	25	0	0	0	94	0	31	110		
111	11	0	0	6	11	0	0	0	0	0	120		
121	0	0	0	0	0	5	0	0	0	0	130		
131	29	0	0	6	0	0	4	0	0	0	140		

ORIGIN ZONE	123	PURPOSE	2	246 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE		
81	0	0	0	11	0	0	0	0	0	0	90		
91	0	0	0	0	0	2	0	0	0	0	100		
101	0	0	42	39	35	0	0	0	0	0	110		
111	12	0	0	32	20	9	0	0	0	0	120		
121	0	0	0	0	0	0	9	0	0	8	130		
131	18	0	9	0	0	0	0	0	0	0	140		
ORIGIN ZONE	123	PURPOSE	3	0 TOTAL ORIG/PROD									
ORIGIN ZONE	123	PURPOSE	4	83 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE		
11	0	0	0	5	0	0	0	0	9	0	20		
31	0	0	0	0	2	0	0	0	0	0	40		
51	0	0	0	0	0	0	3	1	0	0	60		
61	0	0	0	0	0	2	0	0	1	0	70		
71	3	0	0	0	0	0	0	0	0	0	80		
81	0	0	0	3	0	0	0	5	0	0	90		
91	0	0	4	0	0	3	0	0	0	7	100		
101	0	0	0	18	0	0	0	0	0	0	110		
111	0	0	0	0	0	0	0	0	0	5	120		
121	0	0	0	0	0	4	5	0	0	2	130		
131	6	0	0	0	0	0	0	0	0	0	140		
ORIGIN ZONE	124	PURPOSE	1	713 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE		
1	0	0	0	0	0	0	10	0	0	0	10		
11	0	0	0	0	0	0	3	0	0	0	20		
31	0	7	0	0	0	0	0	0	0	0	40		
51	0	4	0	2	0	0	3	0	0	0	70		
61	0	2	0	0	0	0	0	0	0	0	90		
71	3	0	0	0	0	7	0	0	0	5	100		
81	0	0	25	0	120	0	128	0	0	0	110		
91	88	0	0	46	0	2	7	0	0	7	120		
101	5	0	0	0	0	0	27	0	0	0	130		
111	207	0	0	7	0	0	0	0	0	0	140		
ORIGIN ZONE	124	PURPOSE	2	469 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE		



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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	3	0	0	0	0	10
81	0	0	4	0	0	0	0	0	0	0	90
91	0	0	11	0	0	6	2	0	0	0	100
101	0	0	46	27	27	0	21	0	0	0	110
111	43	8	0	50	13	11	9	0	0	0	120
121	0	0	0	0	0	0	6	0	0	0	130
131	154	0	10	0	0	10	0	0	0	0	140

ORIGIN ZONE 124 PURPOSE 3 0 TOTAL ORIG/PROD

ORIGIN ZONE 124 PURPOSE 4 435 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	3	0	0	0	0	0	0	10
11	0	0	0	8	0	0	0	0	0	0	20
31	0	0	0	4	0	1	0	0	0	0	40
41	4	0	0	0	0	0	0	0	0	0	50
51	0	1	0	0	2	0	0	0	4	0	60
61	0	4	2	0	0	0	4	0	21	5	70
81	4	0	0	2	0	0	2	0	8	0	90
91	0	0	0	0	0	12	6	0	0	0	100
101	0	0	26	38	31	0	17	12	0	12	110
111	35	10	0	0	6	9	0	0	0	0	120
121	0	0	0	0	0	8	0	0	0	5	130
131	91	0	0	12	0	11	7	0	0	0	140

ORIGIN ZONE 125 PURPOSE 1 241 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	4	0	1	0	2	0	0	10
11	0	3	0	0	0	0	0	0	0	0	40
61	0	2	0	0	0	0	0	0	0	0	70
91	0	0	0	0	0	5	4	0	3	4	100
111	0	8	0	29	38	0	0	0	0	7	120
121	0	0	0	0	0	0	0	0	0	5	130
131	99	0	21	0	0	4	0	0	0	0	140
141	0	0	2	0	0	0	0	0	0	0	140

ORIGIN ZONE 125 PURPOSE 2 218 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
61	0	0	0	0	0	0	0	0	8	0	70
71	0	2	0	0	0	0	0	3	0	0	80

MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
91	0	0	16	0	0	0	0	0	0	0	100
101	0	0	0	0	27	0	0	0	0	0	110
111	20	5	0	15	0	0	4	0	0	0	120
121	0	0	0	0	0	0	0	0	0	13	130
131	103	0	0	0	0	0	0	0	0	0	140

ORIGIN ZONE 125 PURPOSE 3 4 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
81	0	0	0	0	0	0	4	0	0	0	90

ORIGIN ZONE 125 PURPOSE 4 13 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	2	0	0	0	0	0	0	0	0	10
11	0	0	0	1	0	0	0	0	0	0	20
51	0	0	0	0	0	2	0	0	0	0	60
71	4	0	0	3	0	0	0	0	0	0	80
121	0	0	0	0	0	0	0	0	0	2	130
131	2	0	0	0	0	0	0	0	0	0	140

ORIGIN ZONE 126 PURPOSE 1 550 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	4	0	0	0	0	10
21	0	0	0	0	0	0	6	0	0	0	30
31	0	0	0	0	0	0	0	0	0	4	40
91	0	0	7	0	0	0	0	0	13	7	100
101	2	0	0	0	34	0	0	0	0	0	110
111	0	0	0	0	19	0	0	0	0	0	120
121	0	0	4	0	0	0	99	0	0	5	130
131	510	0	122	24	0	0	0	0	0	0	140

ORIGIN ZONE 126 PURPOSE 2 786 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
61	0	3	0	0	0	0	0	0	2	0	70
71	8	0	0	0	0	0	0	0	0	0	80
81	0	0	0	0	0	0	2	0	0	0	90
101	0	0	0	25	0	0	0	0	17	0	110
111	0	0	15	0	0	4	0	0	0	3	120
121	8	0	0	0	0	0	79	3	0	56	130
131	508	0	54	0	0	4	0	0	3	0	140



ORIGIN ZONE	126	PURPOSE		3	47 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE		
1	0	5	0	0	0	0	0	0	0	0	10		
51	0	0	0	0	0	0	0	0	0	0	60		
61	0	0	5	0	0	0	0	0	0	0	70		
71	0	0	0	0	0	4	0	0	0	0	80		
91	0	0	0	0	0	6	0	0	0	0	100		
131	10	0	5	0	0	3	0	0	0	0	140		

ORIGIN ZONE	126	PURPOSE		4	147 TOTAL ORIG/PROD							
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1	0	4	0	0	0	2	0	0	0	0	10	
11	0	0	0	0	0	0	0	0	1	0	20	
31	0	0	0	0	0	0	2	0	0	0	40	
41	0	0	0	0	36	0	0	0	0	0	50	
61	0	1	0	0	0	0	1	0	0	0	70	
71	8	0	0	2	0	0	0	0	0	0	80	
81	0	0	0	0	0	0	0	0	0	0	90	
91	0	0	0	0	0	6	0	0	0	0	100	
101	7	0	0	0	34	0	0	0	0	0	110	
111	8	0	0	20	7	5	0	0	0	0	120	
121	0	0	5	7	0	0	27	0	0	22	130	
131	95	0	13	0	0	0	6	0	3	0	140	

ORIGIN ZONE	127	PURPOSE		1	6703 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE			
1	0	6	0	0	0	11	16	6	0	0	10			
11	0	6	0	0	5	0	0	0	0	19	20			
21	15	0	0	0	0	6	7	0	0	0	30			
31	0	12	9	6	0	0	0	0	0	0	40			
41	0	0	0	3	4	7	31	0	0	18	50			
51	0	3	0	0	9	0	0	0	0	0	60			
61	0	15	3	5	0	0	0	0	0	0	70			
71	9	0	0	23	0	6	0	11	3	0	80			
81	21	0	0	12	0	0	35	5	0	7	90			
91	6	0	40	3	0	33	15	2	0	8	100			
101	54	29	0	9	106	0	273	56	0	108	110			
111	67	0	11	0	51	101	574	84	40	24	120			
121	228	31	0	28	0	97	3148	69	11	229	130			
131	572	3	63	60	11	54	0	0	0	0	140			
141	2	0	5	2										

ORIGIN ZONE	127	PURPOSE	2	1227 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE		
1	0	0	0	0	0	11	9	0	0	0	10		
11	0	0	0	0	0	0	2	0	0	2	20		
41	0	0	5	0	0	0	0	0	0	0	50		
51	0	0	0	0	0	0	0	0	4	0	60		
61	0	8	0	0	0	0	0	0	0	0	70		
71	14	0	2	0	0	0	0	7	0	0	80		
81	2	0	2	0	0	0	9	0	0	0	90		
91	9	0	15	24	0	2	2	5	6	7	100		
101	50	0	0	16	6	0	12	9	7	0	110		
111	16	0	66	0	17	64	191	7	6	0	120		
121	93	15	6	6	0	77	1549	11	27	385	130		
131	361	0	10	5	4	20	6	0	0	2	140		

ORIGIN ZONE	127	PURPOSE		1	35 TOTAL ORIG/PROD							
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1	0	0	0	0	0	0	0	13	0	0	10	
71	0	0	0	0	0	0	0	5	0	0	80	
81	0	3	0	0	0	0	0	0	0	0	90	
91	0	2	0	0	0	2	0	0	0	0	100	
131	6	0	0	0	0	4	0	0	0	0	140	

ORIGIN ZONE	127	PURPOSE	4	1411 TOTAL ORIG/PROD								
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1	0	9	0	2	0	7	0	0	0	0	10	
11	0	0	0	0	0	0	0	0	9	0	20	
21	11	0	0	0	0	0	0	0	0	0	30	
31	0	5	0	11	0	0	0	0	0	1	40	
41	0	0	0	6	0	1	0	0	0	0	50	
51	0	2	0	0	0	0	0	0	1	0	60	
61	0	8	1	0	0	0	6	0	7	4	70	
71	4	0	0	0	0	4	7	2	3	0	80	
81	4	0	0	8	0	0	6	0	1	0	90	
91	0	0	31	4	0	20	8	0	6	5	100	
101	5	4	0	5	25	0	24	0	4	0	110	
111	45	0	26	0	18	60	117	25	16	0	120	
121	49	15	6	0	0	20	349	12	8	181	130	
131	150	14	0	0	0	6	12	0	0	0	140	
141	0	0	4	1								

ORIGIN ZONE	128	PURPOSE	1	1125 TOTAL ORIG/PROD									
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DES IBM PC  
TRANPLAN SYSTEM  
VERSION 2.0

MATRIX MULTIPLICATION

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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	0	0	24	0	0	10
11	0	0	0	0	0	2	8	0	0	0	20
21	0	0	5	0	16	0	0	0	0	0	30
31	0	0	0	0	0	27	0	0	0	0	40
51	0	8	0	0	0	0	0	0	0	0	60
61	0	5	0	2	0	0	0	0	5	18	70
81	0	3	5	13	0	0	8	0	0	0	90
91	8	0	0	0	0	18	25	0	0	9	100
101	90	19	3	28	406	71	827	77	0	159	110
111	548	0	0	525	40	11	62	7	0	0	120
121	33	13	0	0	0	0	76	21	22	8	130
131	40	0	13	0	0	10	5	0	0	0	140
141	0	2	0	0	0	0	0	0	0	0	140

ORIGIN ZONE 128 PURPOSE 2 453 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	6	0	0	0	0	0	10
51	0	0	0	0	0	4	0	0	0	0	60
61	0	2	0	2	0	0	0	0	1	0	70
71	0	0	0	0	0	0	0	2	0	0	80
81	0	0	0	0	0	0	1	0	0	0	90
91	8	0	3	0	0	8	13	2	0	8	100
101	43	3	13	21	37	19	39	0	0	0	110
111	79	6	9	57	4	10	10	0	0	0	120
121	4	3	0	0	0	2	12	0	0	6	130
131	6	0	3	2	0	0	0	0	0	1	140

ORIGIN ZONE 128 PURPOSE 3 133 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	9	0	0	0	0	0	0	0	0	10
31	0	13	0	0	0	0	0	9	0	0	40
61	0	22	3	5	0	0	0	0	0	0	70
101	5	0	0	0	0	0	0	0	0	0	110
111	0	0	0	76	0	0	0	0	0	0	120

ORIGIN ZONE 128 PURPOSE 4 165 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
11	0	0	0	0	0	0	2	0	0	0	20
21	0	0	0	0	4	5	0	0	0	0	30
41	4	0	0	1	0	0	0	0	0	7	50
51	0	2	0	0	0	0	0	0	0	0	60

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TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
71	0	0	0	0	0	3	0	5	0	0	80
91	0	5	12	0	0	0	0	0	7	0	100
101	7	0	0	17	7	0	0	0	0	4	110
111	23	0	0	24	0	0	0	3	3	0	120
121	0	0	0	0	0	0	10	9	0	0	130

ORIGIN ZONE 129 PURPOSE 1 104 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	11	12	0	0	0	0	10
61	0	0	0	0	0	0	0	0	4	0	70
71	0	0	0	0	0	0	0	10	0	0	80
91	0	0	20	5	7	0	0	0	0	0	100
111	0	0	0	24	0	0	59	0	0	0	120
121	31	0	0	0	0	0	18	22	0	0	130
131	81	0	0	0	0	0	0	0	0	0	140

ORIGIN ZONE 129 PURPOSE 2 71 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	3	0	0	0	0	10
91	0	0	0	0	0	4	0	0	0	0	100
111	0	0	0	0	0	0	16	1	2	0	120
121	10	0	0	0	0	0	26	0	0	0	130

ORIGIN ZONE 129 PURPOSE 3 0 TOTAL ORIG/PROD

ORIGIN ZONE 129 PURPOSE 4 21 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
91	0	0	0	0	0	4	0	0	0	0	100
111	0	0	0	0	0	0	3	0	0	0	120
121	6	0	0	0	0	0	8	0	0	0	130

ORIGIN ZONE 130 PURPOSE 1 1636 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	6	0	0	0	0	6	6	0	0	10
21	0	0	5	0	0	0	0	0	0	0	30
31	0	0	0	0	0	0	2	0	0	0	40
61	0	15	3	2	0	0	5	0	11	0	70
71	14	0	0	0	0	0	0	0	0	0	80



TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
81	0	0	14	6	0	0	37	5	0	0	90
91	0	0	33	0	0	14	0	0	0	27	100
101	3	0	0	39	91	26	103	14	0	0	110
111	23	0	0	23	0	18	421	110	53	0	120
121	172	0	0	0	9	0	233	12	0	0	130
131	20	0	21	0	0	21	0	0	0	2	140
141	0	0	3	0							

ORIGIN ZONE 130	PURPOSE 2	1502 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	0	0	0	7	0	10
11	0	0	0	0	0	0	10	0	0	0	20
31	0	0	0	0	0	2	0	0	0	10	40
61	0	4	0	0	0	0	0	0	0	0	70
71	6	0	0	17	0	0	0	0	0	0	80
81	0	0	0	0	0	3	0	0	0	13	90
91	0	0	18	0	0	40	0	7	0	5	100
101	0	0	6	30	29	0	22	8	0	0	110
111	9	0	0	0	0	106	174	55	44	13	120
121	135	21	20	0	9	65	384	7	0	0	130
131	0	0	0	7	5	0	12	0	0	3	140
141	0	2	0	0							

ORIGIN ZONE 130	PURPOSE 3	33 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
61	0	12	5	6	0	0	0	0	0	0	70
71	0	0	0	0	0	0	0	2	0	0	80
121	6	0	0	0	0	0	0	0	0	0	130
131	0	0	0	0	0	2	0	0	0	0	140

ORIGIN ZONE 130	PURPOSE 4	908 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	1	0	0	0	0	0	0	2	3	0	10
11	0	0	0	0	2	0	0	0	0	0	40
31	0	0	0	0	0	7	2	0	5	0	60
61	0	5	3	3	0	0	0	0	4	0	70
81	0	0	0	0	0	0	0	6	2	2	90
91	0	0	5	0	0	7	28	2	13	0	100
101	0	5	30	20	34	0	12	15	0	0	110
111	20	0	0	13	0	29	158	58	36	0	120
121	105	17	2	5	5	22	183	0	0	0	130

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
131	11	3	0	12	0	6	4	0	0	0	140
141	0	0	1	0							

ORIGIN ZONE 131	PURPOSE 1	24449 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	54	0	0	43	191	177	90	31	0	10
11	0	8	0	0	0	26	81	4	20	88	20
21	3	17	12	0	0	0	0	0	0	0	30
31	0	45	24	39	7	9	0	0	11	13	40
41	0	0	0	0	0	0	3	0	0	38	50
51	7	0	0	0	19	28	30	3	14	4	60
61	17	142	32	38	23	19	13	35	92	25	70
71	68	0	10	17	11	15	42	22	7	16	80
81	0	30	35	42	0	4	18	71	41	16	90
91	53	0	246	16	32	134	58	42	97	58	100
101	67	306	183	213	1012	0	918	179	37	0	110
111	367	0	0	178	103	590	9091	1184	1102	234	120
121	2798	691	12	217	102	520	581	50	71	20	130
131	154	0	0	72	3	478	35	0	0	0	140
141	2	0	55	0							

ORIGIN ZONE 131	PURPOSE 2	8587 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	5	0	0	11	15	17	40	0	0	10
11	0	0	0	0	0	0	16	0	10	17	20
21	0	0	0	5	0	4	0	82	0	0	30
31	0	0	0	0	4	0	0	0	0	2	40
41	0	0	0	0	0	3	0	0	0	0	50
51	0	0	0	0	0	7	10	10	13	0	60
61	0	52	17	19	6	3	9	3	20	5	70
71	40	11	13	15	0	8	0	0	0	11	80
81	15	0	4	22	0	0	14	18	32	21	90
91	3	0	63	10	4	48	45	27	42	21	100
101	39	14	75	125	167	5	118	7	0	0	110
111	161	7	78	186	56	247	2642	431	314	97	120
121	1040	327	18	150	103	507	360	5	0	0	130
131	49	0	11	2	15	94	16	0	0	11	140
141	0	0	10	0							

ORIGIN ZONE 131	PURPOSE 3	345 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE



MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	0	61	0	0	0	10
11	0	0	0	0	0	0	0	0	7	0	20
31	0	0	0	13	0	0	0	30	0	0	40
51	0	0	0	0	0	4	0	0	0	0	60
61	0	0	0	0	0	28	0	0	0	0	70
71	0	0	0	0	0	18	0	0	0	0	80
91	0	0	4	0	0	0	0	0	14	0	100
111	0	0	0	0	0	17	3	57	5	0	120
121	33	12	0	0	0	12	7	0	0	0	130

ORIGIN ZONE 131 PURPOSE 4 5430 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	24	0	0	14	50	27	14	10	0	10
11	0	1	0	3	0	0	23	1	15	33	20
21	7	5	0	0	0	4	1	5	0	0	30
31	0	23	7	13	2	0	0	3	0	5	40
41	0	2	0	4	10	0	0	0	0	0	50
51	5	2	0	0	0	31	20	3	29	0	60
61	0	40	12	15	3	0	6	4	34	4	70
71	62	4	6	7	6	8	5	0	0	0	80
81	20	3	26	17	0	0	15	31	0	12	90
91	2	0	71	6	14	32	36	22	25	25	100
101	0	0	118	70	195	0	68	9	3	0	110
111	76	0	6	102	7	295	1395	615	405	33	120
121	398	115	4	92	0	98	149	0	0	11	130
131	12	1	0	0	0	53	70	0	4	16	140
141	0	3	30	0	0	0	0	0	0	0	0

ORIGIN ZONE 132 PURPOSE 1 56 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
21	0	0	0	0	0	0	0	6	0	0	30
61	0	0	0	0	5	0	0	0	0	0	70
91	0	0	0	0	0	0	2	0	0	0	100
111	0	0	0	20	0	0	24	0	0	0	120
121	0	0	0	0	0	0	3	0	0	0	130
131	0	0	0	0	0	0	6	0	0	0	140

ORIGIN ZONE 132 PURPOSE 2 15 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
21	0	0	0	5	0	0	0	0	0	0	30
111	0	0	0	0	0	0	9	0	0	0	120

MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
141	0	0	0	1	0	0	0	0	0	0	0

ORIGIN ZONE 132 PURPOSE 3 18 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
101	0	0	0	0	18	0	0	0	0	0	110

ORIGIN ZONE 132 PURPOSE 4 43 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
21	0	0	0	0	2	0	0	0	0	0	30
51	0	0	0	0	0	0	3	0	0	0	60
61	0	2	0	0	0	0	0	0	0	0	70
71	2	0	0	0	0	0	0	2	0	0	80
81	0	0	0	0	0	0	2	0	0	0	90
111	2	0	0	1	0	0	0	0	0	0	120
121	5	0	0	0	0	0	14	0	0	2	130
131	2	0	0	0	0	0	4	0	0	0	140

ORIGIN ZONE 133 PURPOSE 1 4964 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	10	0	0	38	0	14	2	5	0	10
11	0	0	0	0	0	0	15	0	16	22	20
21	2	0	11	0	0	0	0	0	0	0	30
31	0	14	3	3	0	0	0	0	0	6	40
41	0	0	0	0	8	0	0	0	0	23	50
51	0	0	0	0	0	7	13	0	6	0	60
61	0	74	20	18	0	5	0	0	9	0	70
71	10	0	0	3	0	18	20	4	0	0	80
81	0	10	6	3	0	0	33	17	0	0	90
91	0	0	45	0	0	43	9	29	32	29	100
101	9	0	0	38	166	0	109	0	0	0	110
111	66	0	0	30	75	85	1783	128	279	144	120
121	640	73	0	0	19	124	65	14	0	24	130
131	0	0	0	7	21	167	6	0	0	2	140
141	0	4	3	0	0	0	0	0	0	0	0

ORIGIN ZONE 133 PURPOSE 2 1165 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	6	0	8	0	0	10
21	0	4	0	0	0	0	0	0	0	0	30



MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
41	3	0	0	0	0	0	0	0	0	0	50
61	0	6	0	0	0	0	0	0	5	0	70
71	0	0	0	2	0	7	0	0	0	0	80
81	0	0	0	0	0	0	0	0	0	5	90
91	0	0	13	0	0	0	8	9	0	6	100
101	0	7	7	0	37	0	19	0	0	0	110
111	48	0	25	23	13	39	177	51	38	47	120
121	136	24	8	17	0	52	10	2	0	0	130
131	8	0	0	5	28	46	0	0	0	0	140
141	1	0	7	0							

ORIGIN ZONE 133 PURPOSE 3 76 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	0	33	0	0	0	10
31	0	0	0	0	0	0	20	0	0	0	90
101	0	14	0	0	0	0	0	0	0	0	110
111	0	0	0	0	0	4	0	0	0	0	120
121	0	0	0	0	0	5	0	0	0	0	130

ORIGIN ZONE 133 PURPOSE 4 609 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	7	3	6	1	0	0	10
11	0	0	0	0	0	0	0	0	11	0	20
31	0	0	2	0	3	0	0	0	0	0	40
41	0	0	0	4	0	0	0	0	0	4	50
51	0	0	0	1	0	3	0	0	7	0	60
61	0	5	2	0	0	4	0	3	11	0	70
71	4	0	1	0	2	4	0	0	0	3	80
81	2	0	16	4	0	0	6	6	0	3	90
91	2	0	23	2	0	2	22	0	0	0	100
101	0	0	32	18	22	0	14	3	0	0	110
111	13	0	0	7	0	30	172	72	45	0	120
121	25	0	0	0	0	11	0	0	0	0	130
131	0	0	0	0	5	10	13	0	0	2	140
141	1	4	2	1							

ORIGIN ZONE 134 PURPOSE 1 4279 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	13	0	0	11	25	18	16	0	0	10
31	0	3	0	0	0	0	0	0	0	0	40
41	0	0	0	0	9	0	0	0	0	8	50

MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
51	0	0	0	0	0	4	0	0	0	0	60
61	0	16	7	7	0	4	0	0	0	0	70
71	34	0	0	0	5	0	0	0	0	0	80
81	0	18	12	0	0	0	0	5	0	7	90
91	0	0	27	0	0	39	0	0	7	9	100
101	2	0	47	25	198	30	76	0	0	38	110
111	35	0	27	45	59	70	1422	295	344	629	120
121	251	36	7	6	0	24	62	0	0	0	130
131	72	0	6	8	6	86	5	0	0	0	140

ORIGIN ZONE 134 PURPOSE 2 1251 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	2	0	0	0	0	10
11	0	0	0	0	0	0	0	0	2	0	20
61	0	5	0	0	0	0	2	0	17	0	70
71	2	0	0	0	2	0	0	0	0	6	80
81	0	0	1	0	0	0	0	5	0	0	90
91	0	0	9	0	3	10	5	0	0	7	100
101	0	11	2	18	35	0	0	0	0	0	110
111	2	0	8	15	0	38	353	185	141	176	120
121	96	25	0	0	0	0	4	4	0	6	130
131	4	0	3	0	0	40	6	0	0	0	140
141	1	0	0	0							

ORIGIN ZONE 134 PURPOSE 3 115 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	41	0	54	0	0	10
31	0	0	0	2	0	0	0	0	0	0	40
61	0	10	0	2	0	0	0	0	0	0	70
111	0	0	0	0	0	0	2	0	2	0	120
131	0	0	0	0	0	2	0	0	0	0	140

ORIGIN ZONE 134 PURPOSE 4 1031 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	7	0	0	0	0	4	0	0	0	10
11	0	0	0	0	0	0	0	0	5	0	20
31	0	1	2	0	0	0	1	0	0	0	40
41	0	0	0	0	7	0	0	0	0	8	50
51	0	0	0	2	0	5	2	0	0	0	60
61	1	2	0	2	0	0	2	0	7	0	70
71	2	0	0	5	0	0	2	1	0	0	80



MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
81	0	0	11	0	0	0	0	0	0	0	90
91	0	2	5	0	5	10	0	0	8	2	100
101	0	9	0	39	15	0	9	23	0	0	110
111	20	0	0	23	0	71	301	150	109	39	120
121	18	21	0	15	0	0	0	0	0	10	130
131	0	0	0	0	0	14	16	0	0	0	140
141	0	0	4	0	0	0	0	0	0	0	0
ORIGIN ZONE 135	PURPOSE 1	1201 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	17	0	0	6	0	0	0	1	0	10
31	0	0	0	0	0	0	0	0	0	9	40
51	0	0	0	0	11	0	0	0	0	0	60
61	0	2	4	0	0	7	0	0	2	0	70
71	2	3	0	0	0	0	6	0	0	0	80
81	4	0	0	22	0	0	0	0	0	3	90
91	0	0	39	0	0	12	0	0	0	0	100
101	2	0	0	0	25	0	198	0	0	0	110
111	47	0	0	0	0	19	272	70	45	28	120
121	27	21	0	0	0	0	7	0	0	0	130
131	3	0	23	8	68	159	16	0	0	0	140
141	1	4	4	2	0	0	0	0	0	0	0
ORIGIN ZONE 135	PURPOSE 2	1278 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
81	0	0	12	0	0	0	0	0	0	3	90
101	0	0	0	36	36	0	24	0	0	0	110
111	0	0	0	0	0	15	155	93	74	10	120
121	27	0	0	0	0	0	12	0	0	11	130
131	10	0	28	0	441	256	7	0	0	0	140
141	2	0	16	2	0	0	0	0	0	0	0
ORIGIN ZONE 135	PURPOSE 3	9 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
81	0	0	0	2	0	0	0	0	0	0	90
131	0	0	0	0	0	7	0	0	0	0	140
ORIGIN ZONE 135	PURPOSE 4	315 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE

MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
11	0	0	0	2	0	0	0	0	0	0	20
31	0	0	1	0	0	0	0	0	0	0	40
61	0	0	2	0	0	0	0	7	0	0	70
71	0	0	0	4	0	2	0	0	0	0	80
81	3	0	0	0	0	0	0	0	0	0	90
91	1	0	0	0	0	0	0	0	0	4	100
101	0	0	0	9	0	0	3	0	0	0	110
111	5	0	0	0	0	22	112	26	18	10	120
121	22	0	0	0	0	0	0	0	0	0	130
131	0	0	5	0	0	36	6	0	0	1	140
141	0	0	14	0	0	0	0	0	0	0	0
ORIGIN ZONE 136	PURPOSE 1	1969 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	11	5	36	0	18	37	31	44	0	0	10
11	0	0	0	0	0	0	10	0	4	9	20
21	0	0	8	15	0	0	15	0	0	0	30
31	0	7	0	3	0	0	0	0	0	0	40
41	0	0	10	0	4	3	2	0	0	0	50
51	0	0	0	0	0	7	0	0	0	0	60
61	0	45	6	16	10	6	0	5	9	0	70
71	15	9	0	0	0	13	8	2	0	0	80
81	7	0	14	5	0	0	10	0	0	19	90
91	0	5	26	0	0	54	10	0	23	4	100
101	9	0	0	21	156	22	0	0	0	0	110
111	71	0	0	0	68	17	611	99	92	76	120
121	92	22	0	0	7	0	34	7	0	16	130
131	473	0	166	84	164	0	5	0	0	0	140
141	0	0	9	0	0	0	0	0	0	0	0
ORIGIN ZONE 136	PURPOSE 2	764 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	1	0	0	0	9	11	0	0	0	10
11	0	0	0	0	0	0	1	0	0	0	20
21	0	0	0	0	0	0	0	0	0	0	30
41	0	0	0	0	0	2	0	0	0	0	50
61	0	2	0	0	0	0	0	0	1	0	70
91	0	0	0	0	0	0	1	0	0	0	100
101	0	6	0	17	12	3	7	0	0	0	110
111	8	0	0	0	0	6	119	14	14	10	120
121	40	6	0	9	0	5	19	0	0	0	130
131	95	0	46	39	257	0	0	0	0	0	140
141	0	0	3	0	0	0	0	0	0	0	0



ORIGIN ZONE 136	PURPOSE 3	503 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	23	41	0	17	18	0	10
11	0	0	0	0	0	0	0	0	5	0	20
21	0	15	3	40	0	0	0	0	0	21	40
31	0	0	0	0	0	0	0	0	0	17	50
41	0	0	0	0	0	0	0	0	0	9	70
51	7	38	7	9	0	0	11	0	13	0	80
61	37	0	0	0	2	0	19	0	0	0	90
71	0	0	0	0	0	0	0	0	0	0	100
81	0	0	0	0	0	0	0	0	0	0	110
91	0	0	24	0	0	0	0	0	9	7	120
101	0	0	0	0	34	0	0	0	0	0	130
111	24	0	0	0	0	0	3	0	5	0	140
121	0	0	0	0	0	4	4	0	0	3	140
131	0	0	0	2	7	0	0	0	0	0	140
141	0	0	1	0	0	0	0	0	0	0	140

ORIGIN ZONE 136	PURPOSE 4	434 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	6	0	0	0	5	0	2	0	0	10
11	0	0	0	0	0	0	2	0	2	3	20
21	0	0	0	1	0	0	0	0	0	0	30
31	0	2	1	0	0	0	0	0	0	0	40
41	0	0	0	0	5	2	0	0	0	0	50
51	0	6	0	1	0	0	0	0	1	0	70
61	0	0	0	2	0	0	0	0	0	0	80
71	0	0	0	0	0	0	0	0	0	0	90
81	0	0	13	18	5	0	0	9	0	0	100
91	0	0	0	8	0	9	57	31	20	5	110
101	32	0	0	14	0	0	3	0	0	5	120
111	11	0	0	13	36	0	27	0	0	0	130
121	52	0	10	13	0	0	0	0	0	0	140
131	0	0	3	0	0	0	0	0	0	0	140
141	0	0	0	0	0	0	0	0	0	0	140

ORIGIN ZONE 137	PURPOSE 1	5007 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	27	0	17	28	75	42	41	15	0	10
11	0	0	0	0	2	0	0	0	0	16	20
21	2	15	15	2	0	0	16	3	0	0	30
31	0	42	0	28	2	6	0	10	0	16	40
41	0	5	19	10	13	5	0	0	0	0	50
51	0	0	16	0	6	14	47	5	17	0	60
61	0	99	32	14	0	9	0	0	72	0	70
71	21	0	0	0	0	27	80	6	0	0	80
81	0	0	3	0	0	0	12	0	0	0	90
91	0	0	21	0	0	7	9	0	0	0	100

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
101	0	0	6	9	64	0	0	0	0	0	110
111	11	0	0	0	0	14	98	17	7	21	120
121	32	0	3	0	0	0	0	5	0	0	130
131	36	7	6	11	16	10	3636	41	406	318	140
141	43	13	174	4	0	0	0	0	0	0	140

ORIGIN ZONE 137	PURPOSE 2	4084 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	7	1	0	3	44	14	14	0	0	10
11	0	7	0	0	0	4	14	4	0	2	20
21	0	0	0	0	0	3	2	0	0	0	30
31	0	0	2	3	9	0	0	5	0	2	40
41	2	4	9	33	14	0	0	0	0	0	50
51	0	0	2	0	5	11	12	0	5	0	60
61	5	65	22	16	0	9	14	0	0	0	70
71	0	0	0	0	4	0	0	0	0	0	80
81	9	0	0	0	0	0	0	0	0	0	90
91	3	0	11	0	0	0	0	0	0	0	100
101	4	0	0	0	16	4	9	0	0	0	110
111	2	11	0	0	0	12	30	1	0	0	120
121	0	3	0	0	0	0	5	0	0	3	130
131	16	0	0	8	12	0	2999	31	223	154	140
141	23	8	111	4	0	0	0	0	0	0	140

ORIGIN ZONE 137	PURPOSE 3	1071 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	16	0	0	0	3	16	27	63	4	0	10
11	9	4	0	0	0	0	33	0	0	5	20
21	0	0	0	0	5	0	9	0	0	0	30
31	0	68	0	4	6	0	0	0	0	3	40
41	0	0	15	0	4	12	0	0	0	20	50
51	0	0	0	0	22	0	20	0	0	0	60
61	0	126	38	49	0	0	27	0	126	0	70
71	80	0	0	0	0	0	0	0	0	0	80
81	6	0	17	13	3	0	17	0	0	0	90
91	0	0	23	0	0	10	0	0	0	0	100
101	0	0	14	0	8	0	0	0	0	0	110
111	0	0	0	0	0	7	5	6	0	0	120
121	0	0	0	0	0	0	51	0	0	37	130
131	0	0	37	3	0	0	0	0	0	0	140
141	0	0	0	0	0	0	0	0	0	0	140

ORIGIN ZONE 137	PURPOSE 4	3446 TOTAL ORIG/PROD									
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MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	43	0	0	6	50	24	5	23	0	10
11	0	7	0	0	0	0	17	2	4	8	20
21	1	4	4	0	0	25	0	2	0	0	30
31	0	13	0	7	2	0	0	9	0	9	40
41	4	0	56	58	15	0	3	0	0	3	50
51	5	0	0	0	0	13	36	0	0	0	60
61	0	54	14	16	0	0	0	0	0	0	70
71	34	0	0	0	0	0	0	0	0	0	80
81	6	0	4	0	0	0	5	3	0	0	90
91	3	0	30	0	0	31	6	0	0	0	100
101	0	0	0	0	86	4	15	4	0	0	110
111	21	0	0	0	0	31	198	26	18	26	120
121	32	0	0	6	0	7	11	0	0	8	130
131	66	4	11	19	3	28	1680	11	126	116	140
141	93	10	110	10							
ORIGIN ZONE 135	PURPOSE 1	88 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	1	3	0	0	0	10
61	0	6	0	6	0	0	0	0	0	0	70
71	0	0	0	0	0	0	0	0	4	0	80
111	0	0	0	0	0	0	1	0	3	0	120
131	0	0	0	0	0	0	43	0	0	2	140
141	16	0	3	0							
ORIGIN ZONE 138	PURPOSE 2	58 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	0	4	0	0	0	10
81	0	0	0	0	0	0	0	0	5	0	90
131	0	0	0	0	0	0	29	0	0	2	140
141	13	2	3	0							
ORIGIN ZONE 138	PURPOSE 3	1 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
141	1	0	0	0							
ORIGIN ZONE 138	PURPOSE 4	23 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
71	0	0	0	0	0	7	0	0	0	0	80

MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
101	0	0	0	0	2	0	0	0	0	0	110
111	0	0	0	0	0	0	2	0	0	0	120
131	0	0	0	0	0	0	11	0	0	0	140
141	1	0	0	0							
ORIGIN ZONE 139	PURPOSE 1	485 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	5	6	1	0	0	0	10
11	0	0	0	0	0	0	0	0	1	7	20
21	0	0	0	0	0	0	2	0	0	0	30
31	0	0	0	0	2	4	0	0	0	0	40
41	0	0	0	0	0	4	0	0	0	0	50
51	0	0	0	0	0	0	2	0	0	0	60
81	0	0	0	0	0	0	4	0	0	0	90
101	0	0	0	0	16	0	0	0	0	0	110
111	0	0	0	0	0	0	1	0	0	0	120
131	0	0	0	0	0	0	404	0	0	18	140
141	2	4	2	0							
ORIGIN ZONE 139	PURPOSE 2	269 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	8	5	0	0	0	0	10
41	0	0	0	14	0	0	0	0	0	0	50
111	0	0	0	0	0	1	1	0	0	0	120
121	0	0	0	0	0	3	8	0	0	0	130
131	0	0	0	0	0	0	221	0	0	11	140
141	0	2	0	1							
ORIGIN ZONE 139	PURPOSE 3	0 TOTAL ORIG/PROD									
ORIGIN ZONE 139	PURPOSE 4	183 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
11	0	0	0	0	0	0	8	0	0	0	20
31	0	0	0	0	0	5	0	0	0	0	40
91	0	0	2	0	0	0	0	0	0	0	100
111	0	0	0	0	0	0	9	0	0	5	120
121	0	0	0	0	0	4	0	0	0	0	130
131	4	0	0	0	0	0	123	0	0	14	140
141	4	2	3	0							



ORIGIN ZONE	140	PURPOSE	1	833 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1		0	15	0	0	6	11	11	8	0	0	10	
11		0	0	0	0	0	0	4	0	0	0	20	
21		0	0	3	9	0	0	0	0	0	0	30	
31		0	0	0	0	0	0	0	0	0	0	40	
41		9	0	17	0	0	0	0	0	0	0	50	
71		0	0	0	0	6	0	0	0	4	0	60	
91		4	0	12	0	0	0	0	0	0	0	100	
101		0	0	0	0	9	0	0	0	0	0	110	
111		0	0	0	0	0	0	12	0	0	0	120	
121		1	2	0	0	0	0	0	0	0	2	130	
131		6	0	5	0	0	0	121	0	0	2	140	
141		0	2	45	1	0	0	2	15	283	140		

ORIGIN ZONE	140	PURPOSE	2	459 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1		0	0	0	0	8	0	0	0	0	0	10	
11		0	0	0	0	0	0	0	0	0	0	20	
31		0	0	0	0	0	0	0	0	0	1	40	
41		0	0	0	0	0	0	0	0	0	4	50	
51		0	0	0	0	0	0	5	0	0	0	60	
61		0	5	0	2	0	0	0	0	0	0	70	
111		2	0	0	0	0	0	2	0	0	0	120	
121		0	1	0	0	0	0	1	2	0	2	130	
131		13	0	0	0	0	0	153	2	11	211	140	
141		0	6	24	0	0	0	2	11	211	140		

ORIGIN ZONE	140	PURPOSE	3	36 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
111		0	0	0	0	0	0	1	0	0	0	120	
131		0	0	0	0	0	0	35	0	0	0	140	

ORIGIN ZONE	140	PURPOSE	4	276 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1		0	0	0	0	0	12	0	0	0	0	10	
11		0	0	0	0	0	0	0	0	0	10	20	
31		0	0	0	0	0	0	0	0	0	2	40	
41		0	0	0	0	0	0	0	0	1	0	50	
51		0	0	0	0	0	9	0	0	0	0	60	
61		0	0	0	0	0	0	0	0	3	0	70	

TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
91		0	0	0	0	0	8	0	0	0	4	100	
101		0	0	0	0	3	0	0	0	0	1	110	
111		0	0	0	0	0	4	6	0	0	0	120	
121		3	0	0	0	0	0	0	0	0	0	130	
131		16	0	1	0	3	0	116	0	14	49	140	
141		0	0	11	0	0	0	0	0	0	0	0	

ORIGIN ZONE	141	PURPOSE	1	468 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1		0	6	0	2	0	6	2	6	3	0	10	
21		0	0	3	0	0	0	3	0	0	0	30	
71		4	0	0	0	0	0	0	0	4	0	80	
111		0	0	0	0	0	0	8	0	3	0	120	
131		5	0	0	0	0	0	0	0	0	0	130	
141		35	1	301	13	2	0	43	15	3	0	140	

ORIGIN ZONE	141	PURPOSE	2	146 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
11		0	0	0	0	0	0	3	0	0	1	20	
31		0	0	0	0	0	0	0	0	0	1	40	
61		0	0	0	0	0	0	1	0	0	0	70	
91		0	0	3	0	2	3	0	0	0	0	100	
111		0	0	0	0	0	0	1	0	0	0	120	
121		1	0	0	0	0	0	0	0	0	0	130	
131		0	0	1	1	0	0	21	16	0	0	140	
141		16	1	70	2	0	0	0	0	0	0	0	

ORIGIN ZONE	141	PURPOSE	3	7 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
61		0	0	0	0	0	0	0	5	0	0	70	
131		0	0	0	0	0	0	0	2	0	0	140	

ORIGIN ZONE	141	PURPOSE	4	169 TOTAL ORIG/PROD									
TO ZONE		-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE	
1		0	0	0	0	5	0	2	0	0	0	10	
41		0	5	0	0	0	0	0	0	0	2	50	
111		3	0	0	0	0	0	1	2	1	0	120	
121		1	0	0	0	0	0	0	0	0	0	130	
131		0	0	2	0	0	0	95	3	1	0	140	



MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
141	4	0	42	0							
ORIGIN ZONE 142	PURPOSE 1	297 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	2	0	0	0	2	0	0	5	0	10
11	0	0	0	0	0	0	2	0	0	1	20
21	0	2	0	0	0	0	0	0	0	0	30
61	0	0	0	0	4	3	0	0	0	0	70
71	0	0	0	4	0	0	0	0	0	0	80
81	0	0	1	0	0	0	6	0	0	0	90
91	0	0	0	0	0	0	0	0	0	1	100
111	0	0	0	0	9	0	6	0	3	0	120
121	2	0	0	0	0	0	0	0	0	0	130
131	0	0	2	0	3	0	14	0	4	3	140
141	2	0	210	0							
ORIGIN ZONE 142	PURPOSE 2	122 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	4	0	0	0	0	10
81	0	0	0	0	0	0	0	0	0	1	90
111	0	0	0	0	0	1	2	0	0	0	120
121	1	0	0	0	0	0	0	0	0	2	130
131	0	0	0	0	0	0	8	2	1	3	140
141	1	4	90	0							
ORIGIN ZONE 142	PURPOSE 3	49 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
141	0	0	49	0							
ORIGIN ZONE 142	PURPOSE 4	87 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	0	2	3	0	0	10
31	0	4	0	0	0	0	0	0	0	0	40
111	0	0	0	0	0	0	7	0	0	0	120
121	3	0	0	0	0	0	0	0	0	0	130
131	2	0	2	0	0	0	11	0	2	0	140
141	0	0	51	0							

MATRIX MULTIPLICATION

ORIGIN ZONE 143	PURPOSE 1	3623 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	8	14	0	0	15	30	34	23	9	0	10
11	0	0	0	0	0	0	13	11	7	10	20
21	9	0	2	0	0	6	7	0	0	0	30
31	0	22	0	5	0	15	0	0	0	19	40
41	5	0	13	0	5	0	5	0	0	0	50
51	0	0	0	0	9	5	10	0	15	0	60
61	0	33	7	10	2	7	0	0	20	6	70
71	22	6	5	12	0	11	0	16	0	0	80
81	2	6	0	0	0	0	18	0	0	0	90
91	0	0	24	9	0	25	2	0	3	0	100
101	0	0	6	9	44	0	0	0	0	0	110
111	6	0	0	0	27	10	109	17	11	0	120
121	16	2	0	0	3	0	6	0	0	3	130
131	56	0	3	0	7	7	179	5	2	43	140
141	298	210	1630	140							
ORIGIN ZONE 143	PURPOSE 2	1973 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	2	0	0	9	21	13	0	0	10
11	0	0	0	0	0	0	5	0	0	2	20
21	0	0	0	0	0	0	3	0	0	0	30
31	0	4	0	0	0	0	0	0	0	1	40
41	0	0	5	12	0	5	0	0	0	3	50
51	0	0	0	0	0	6	12	0	0	0	60
61	0	16	3	5	0	0	0	0	10	4	70
71	0	0	0	0	0	0	0	0	6	0	80
81	0	3	2	0	0	0	0	0	0	0	90
91	7	0	7	0	0	2	0	0	0	2	100
101	2	0	0	9	22	0	0	0	0	0	110
111	0	0	0	0	0	7	36	5	2	0	120
121	5	0	0	0	0	0	0	0	0	0	130
131	13	0	4	2	16	4	105	1	0	26	140
141	69	88	1194	180							
ORIGIN ZONE 143	PURPOSE 3	249 TOTAL ORIG/PROD									
TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	0	9	0	0	0	10
41	0	0	4	0	0	0	0	0	0	0	50
51	0	0	0	0	0	5	0	0	0	0	60
61	9	12	0	4	0	0	0	0	12	0	70
71	31	0	0	0	0	0	0	0	0	0	80



MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
91	0	0	2	0	0	55	0	0	7	0	100
101	7	0	2	0	0	0	0	0	0	0	110
131	0	0	0	0	0	2	37	0	0	0	140
141	0	49	2	0	0						

ORIGIN ZONE 141 PURPOSE 4 1415 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	6	3	0	0	4	9	3	8	0	0	10
11	0	0	0	0	0	0	9	0	0	0	20
21	3	1	0	0	0	0	0	0	0	0	30
31	0	10	0	0	0	0	0	0	0	0	40
41	0	0	0	1	0	12	0	0	0	0	50
51	0	0	0	0	0	5	9	0	2	0	60
61	0	12	4	4	0	0	0	0	4	0	70
71	3	0	0	0	0	1	0	4	0	0	80
81	7	0	32	0	0	0	0	0	0	0	90
91	0	0	2	0	0	8	0	0	0	0	100
101	0	6	0	0	22	0	10	4	0	0	110
111	8	4	0	4	0	40	142	46	32	6	120
121	19	4	0	0	0	0	4	0	0	3	130
131	30	0	3	3	12	4	111	0	3	12	140
141	42	51	569	55							

ORIGIN ZONE 144 PURPOSE 1 434 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	0	0	10	3	3	0	10
31	0	0	0	0	0	10	0	0	0	5	40
41	0	0	0	0	0	0	0	0	0	7	50
51	0	0	0	0	0	7	0	0	0	0	60
61	0	3	0	0	0	0	0	0	0	0	70
91	0	0	3	0	0	0	0	0	0	0	100
101	0	0	0	0	2	0	0	0	0	0	110
111	4	0	0	0	0	0	3	0	0	5	120
121	0	0	0	0	0	0	2	0	0	0	130
131	0	0	0	0	0	0	6	0	0	1	140
141	11	0	337	11							

ORIGIN ZONE 144 PURPOSE 2 202 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
41	0	2	0	0	0	0	0	0	0	2	50
61	0	0	0	0	0	0	0	0	0	1	70

MATRIX MULTIPLICATION

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
71	3	0	0	0	0	0	0	0	0	0	80
101	0	0	0	0	2	0	0	0	0	0	110
111	0	0	0	0	0	0	0	1	0	0	120
131	0	1	0	0	2	0	3	0	1	0	140
141	3	0	181	0							

ORIGIN ZONE 144 PURPOSE 3 9 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
131	0	0	0	0	0	0	9	0	0	0	140

ORIGIN ZONE 144 PURPOSE 4 89 TOTAL ORIG/PROD

TO ZONE	-1-	-2-	-3-	-4-	-5-	-6-	-7-	-8-	-9-	-0-	TO ZONE
1	0	0	0	0	11	0	0	0	0	0	10
81	0	0	4	0	0	0	0	0	0	0	90
111	0	0	0	0	0	0	0	2	2	0	120
121	0	0	0	0	0	0	2	0	0	0	130
131	0	0	1	0	0	0	11	0	0	0	140
141	0	1	55	0							



MATRIX MULTIPLICATION

TRIP END SUMMARY --- PURPOSE 1

ZONE/DIST	ORIG/PROD	DEST/ATTR	TOTAL	INTRATRIPS	ZONE/DIST	ORIG/PROD	DEST/ATTR	TOTAL	INTRATRIPS
1	1486	1563	3049	0	41	3380	3379	6759	17
2	40285	39982	80187	0	42	1014	1019	2033	290
3	1086	1087	2173	0	43	6646	6603	13249	405
4	7623	7617	15240	2696	44	6378	6320	12698	50
5	7883	7939	15822	25	45	1153	1168	2321	0
6	31238	33492	66730	120	46	2740	2724	5464	9
7	25618	25790	51408	72	47	4641	4637	9298	17
8	39920	48041	79961	39	48	263	254	517	0
9	2176	2171	4347	7	49	1231	1261	2492	0
10	66	66	134	0	50	9513	9484	18997	15
11	30	21	51	0	51	9961	9968	19929	346
12	632	625	1257	0	52	3097	3064	6161	0
13	165	160	325	0	53	1902	1924	3826	4
14	7668	7818	15486	0	54	690	664	1354	0
15	277	284	561	0	55	7596	7611	15207	18
16	324	318	642	8	56	9860	9870	19730	936
17	13855	13879	27734	30	57	4797	4772	9569	1979
18	1035	1049	2084	0	58	2015	1983	3998	0
19	8060	8114	16174	342	59	7542	7624	15166	15
20	11073	11154	22227	57	60	1701	1669	3370	17
21	9850	9826	19676	3095	61	477	480	957	0
22	2853	2834	5687	0	62	27167	27168	54335	216
23	3291	3146	6637	6	63	6175	6233	12408	11
24	3757	3773	7530	50	64	7811	7742	15553	16
25	11671	11605	23276	2092	65	1079	1065	2144	12
26	3323	3316	6639	47	66	5035	5050	10085	244
27	4033	4023	8056	858	67	2278	2286	4564	31
28	123	130	253	0	68	3330	3338	6668	172
29	45	38	83	0	69	19375	19335	38710	153
30	40	32	72	0	70	1836	1844	3680	7
31	773	772	1545	17	71	10341	10330	20671	12
32	40815	40406	81221	750	72	3044	3030	6074	0
33	20182	19977	40159	648	73	1376	1403	2779	0
34	78114	27729	55843	56	74	1244	3293	6537	7
35	6864	6839	13703	323	75	11839	11831	23670	815
36	4503	4476	8979	737	76	8706	8695	17401	74
37	5401	5374	10775	2054	77	5595	5612	11207	2612
38	9077	9111	18188	6	78	5078	5088	10166	4
39	2393	2357	4750	0	79	822	814	1636	19
40	19443	19464	38907	935	80	1770	1773	3543	4

MATRIX MULTIPLICATION

TRIP END SUMMARY --- PURPOSE 1

ZONE/DIST	ORIG/PROD	DEST/ATTR	TOTAL	INTRATRIPS	ZONE/DIST	ORIG/PROD	DEST/ATTR	TOTAL	INTRATRIPS
81	4687	4700	9387	116	121	6719	6834	13553	3
82	3466	3476	6942	0	122	1131	1137	2268	0
83	6079	6112	12191	54	123	228	239	467	0
84	5572	5562	11134	0	124	713	718	1431	0
85	542	568	1110	0	125	241	244	485	0
86	374	351	725	0	126	860	869	1729	0
87	3406	3393	6799	11	127	6703	6690	13393	1148
88	2620	2626	5246	30	128	3325	3432	6757	21
89	1111	1133	2244	26	129	304	312	616	0
90	3557	3538	7095	209	130	1636	1609	3245	0
91	1960	1968	3928	219	131	24449	24180	48629	154
92	512	499	1011	0	132	66	65	131	0
93	15802	15763	31565	412	133	4964	4901	9865	0
94	404	411	815	6	134	4279	4231	8510	8
95	1685	1654	3339	9	135	1201	1203	2403	68
96	14066	14221	28287	50	136	2969	2980	5949	0
97	2916	2943	5859	189	137	6007	5969	11976	3636
98	2540	2582	5122	3	138	89	87	175	0
99	8536	8600	17136	0	139	485	470	955	0
100	6383	6501	12884	8	140	833	831	1664	283
101	1898	1896	3794	812	141	468	473	941	33
102	3595	3579	7174	0	142	297	290	587	0
103	5508	5489	10997	0	143	3623	3604	7227	1630
104	11828	11769	23597	343	144	434	430	864	11
105	36373	36106	72479	1774					
106	1108	1061	2169	0					
107	11856	11869	23725	0					
108	2118	2059	4177	0					
109	47	37	84	0					
110	1430	1444	2874	0					
111	6003	5940	11943	0					
112	726	707	1433	0					
113	209	211	420	0					
114	3327	3272	6599	0					
115	4540	4493	9033	101					
116	8769	8905	17674	95					
117	41295	42136	83431	20					
118	4882	4986	9868	0					
119	3825	3867	7692	0					
120	2794	2813	5607	533					
TOTALS	901923	901923	1803046	37833					



TRIP END SUMMARY --- PURPOSE 2

ZONE/DIST	ORIG/PROD	DEST/ATTR	TOTAL	INTRATRIPTS	ZONE/DIST	ORIG/PROD	DEST/ATTR	TOTAL	INTRATRIPTS
1	195	207	402	0	41	1013	992	2005	6
2	6780	6902	13682	2	42	654	650	1304	203
3	139	144	283	0	43	2368	2373	4741	87
4	2554	2554	5108	714	44	2961	2953	5914	40
5	2024	2014	4038	18	45	659	659	1318	0
6	8477	8335	16812	266	46	821	814	1635	4
7	4754	4670	9424	79	47	924	912	1836	7
8	9304	9129	18433	22	48	71	79	150	0
9	593	582	1175	0	49	259	259	518	0
10	24	21	45	0	50	1022	1033	2055	0
11	15	15	30	0	51	1608	1622	3230	146
12	344	348	692	0	52	520	511	1031	0
13	47	48	95	0	53	270	264	534	0
14	509	488	997	0	54	1400	1468	2868	0
15	336	323	659	0	55	1803	1786	3589	23
16	258	244	502	0	56	3419	3447	6866	562
17	5546	5463	11009	46	57	3930	4028	7958	1944
18	436	431	867	14	58	737	741	1478	0
19	4763	4714	9477	509	59	3324	3338	6662	0
20	4362	4309	8671	39	60	488	497	985	29
21	6071	6018	12089	2200	61	244	250	494	0
22	370	362	732	5	62	7198	7408	14606	107
23	949	937	1886	9	63	1996	2025	4021	13
24	1989	1966	3955	38	64	2192	2195	4387	10
25	4269	4288	8557	722	65	576	574	1150	32
26	1355	1371	2726	29	66	2072	2098	4170	129
27	1123	1089	2212	267	67	1177	1181	2358	10
28	347	357	704	0	68	3911	3901	7812	470
29	56	58	114	0	69	6944	6974	13918	79
30	24	21	45	0	70	1047	1035	2082	0
31	222	241	463	7	71	5413	5496	10909	28
32	12592	12585	25177	216	72	1266	1265	2531	0
33	5127	5183	10310	352	73	749	750	1499	0
34	7561	7542	15103	11	74	1669	1707	3376	5
35	2408	2428	4836	147	75	3305	3327	6632	289
36	1477	1469	2946	289	76	2335	2377	4712	0
37	1892	1889	3781	923	77	1656	1667	3323	1020
38	2275	2244	4519	3	78	1874	1871	3745	6
39	1014	1009	2023	0	79	307	326	633	0
40	5270	5210	10480	512	80	1561	1585	3146	4

TRIP END SUMMARY --- PURPOSE 2

ZONE/DIST	ORIG/PROD	DEST/ATTR	TOTAL	INTRATRIPTS	ZONE/DIST	ORIG/PROD	DEST/ATTR	TOTAL	INTRATRIPTS
81	2538	2596	5134	138	121	2347	2365	4712	0
82	1580	1608	3188	0	122	525	527	1052	0
83	2167	2169	4336	27	123	246	254	500	0
84	2134	2120	4254	6	124	466	468	937	0
85	279	295	574	9	125	218	216	434	0
86	159	144	303	0	126	786	793	1579	0
87	1502	1529	3031	26	127	3237	3242	6469	1549
88	976	996	1972	28	128	453	453	906	0
89	1006	997	2003	103	129	71	77	148	0
90	1442	1453	2895	80	130	1502	1474	2976	0
91	1519	1549	3068	367	131	8587	8581	17168	49
92	218	238	456	0	132	15	16	31	0
93	6371	6381	12752	269	133	1165	1144	2309	0
94	282	277	559	0	134	1251	1251	2502	0
95	805	821	1626	9	135	1278	1263	2541	441
96	4221	4238	8459	28	136	764	774	1538	0
97	1200	1198	2398	144	137	4084	4076	8160	2999
98	999	1007	2006	26	138	58	58	116	0
99	3042	3074	6116	0	139	269	268	537	0
100	2319	2336	4655	4	140	459	458	917	211
101	1458	1468	2926	722	141	146	149	295	16
102	885	883	1768	0	142	122	121	243	4
103	1687	1675	3362	0	143	1973	1963	3936	1194
104	5213	5188	10401	274	144	202	202	404	0
105	11089	11106	22195	1089					
106	159	153	312	0					
107	1075	1070	2145	0					
108	171	159	330	0					
109	48	40	86	0					
110	272	274	546	0					
111	2364	2352	4716	0					
112	289	270	559	0					
113	554	549	1103	0					
114	1388	1383	2771	0					
115	1084	1067	2151	22					
116	3455	3464	6919	149					
117	10300	10288	20588	9					
118	1568	1551	3119	2					
119	1170	1173	2343	2					
120	721	702	1423	65					

TOTALS 293638 293638 587276 23751



MATRIX MULTIPLICATION

TRIP END SUMMARY --- PURPOSE 3

ZONE/DIST	ORIG/PROD	DEST/ATTR	TOTAL	INTRATRIPTS	ZONE/DIST	ORIG/PROD	DEST/ATTR	TOTAL	INTRATRIPTS
1	25	26	51	0	41	212	217	429	0
2	900	1000	1900	0	42	22	20	42	0
3	13	12	25	0	43	236	230	466	5
4	280	290	570	67	44	76	67	143	0
5	219	236	455	0	45	66	67	133	0
6	1330	1321	2651	32	46	72	72	144	0
7	1488	1469	2957	12	47	136	134	270	0
8	2941	2928	5869	0	48	0	0	0	0
9	129	124	253	0	49	15	8	23	0
10	0	0	0	0	50	269	274	543	0
11	8	9	17	0	51	281	268	549	10
12	5	4	9	0	52	37	42	79	0
13	0	0	0	0	53	33	26	59	0
14	540	533	1073	0	54	17	17	34	0
15	45	38	83	0	55	195	193	388	0
16	16	10	26	0	56	265	281	546	3
17	948	910	1858	0	57	405	388	793	15
18	29	30	59	0	58	73	63	136	0
19	410	398	808	9	59	114	122	236	0
20	661	635	1296	0	60	15	15	30	0
21	180	182	362	43	61	17	16	33	0
22	61	67	128	0	62	983	983	1966	0
23	70	61	131	0	63	277	299	576	0
24	125	122	247	0	64	323	310	633	0
25	357	361	718	30	65	18	19	37	0
26	102	105	206	0	66	102	96	198	0
27	332	322	654	0	67	55	53	108	0
28	60	66	126	0	68	59	63	122	0
29	0	0	0	0	69	351	350	701	0
30	0	0	0	0	70	50	45	95	0
31	0	0	0	0	71	271	271	542	0
32	2071	2123	4194	33	72	23	10	33	0
33	1384	1401	2785	10	73	3	0	3	0
34	985	1008	1993	0	74	21	37	58	0
35	412	420	832	4	75	109	112	221	5
36	256	272	528	0	76	235	233	468	0
37	191	187	378	2	77	410	409	819	14
38	262	261	523	0	78	167	178	345	0
39	110	122	232	0	79	61	54	115	0
40	592	550	1142	0	80	27	21	48	0

MATRIX MULTIPLICATION

TRIP END SUMMARY --- PURPOSE 3

ZONE/DIST	ORIG/PROD	DEST/ATTR	TOTAL	INTRATRIPTS	ZONE/DIST	ORIG/PROD	DEST/ATTR	TOTAL	INTRATRIPTS
81	115	111	226	0	121	438	503	941	0
82	59	55	115	0	122	41	43	84	0
83	102	108	210	4	123	0	0	0	0
84	94	95	189	0	124	0	0	0	0
85	19	14	33	0	125	4	3	7	0
86	2	0	2	0	126	47	37	84	0
87	92	88	180	0	127	35	30	65	0
88	35	35	70	4	128	133	137	270	0
89	3	3	6	0	129	0	0	0	0
90	24	20	44	0	130	33	30	63	0
91	18	15	33	0	131	345	336	681	0
92	103	85	188	0	132	10	19	29	0
93	360	384	744	16	133	76	79	155	0
94	47	44	91	0	134	115	113	228	0
95	29	27	56	0	135	9	13	22	0
96	296	297	593	0	136	503	497	1000	0
97	55	55	110	7	137	1071	1109	2180	51
98	27	30	57	0	138	1	2	3	0
99	133	128	261	0	139	0	0	0	0
100	15	14	29	0	140	36	38	74	0
101	42	46	88	4	141	7	7	14	0
102	19	14	33	0	142	49	49	98	0
103	83	78	161	0	143	249	234	483	2
104	101	96	197	0	144	9	3	12	0
105	716	707	1423	12					
106	215	189	404	0					
107	1308	626	1934	0					
108	45	48	93	0					
109	0	0	0	0					
110	0	0	0	0					
111	189	179	368	0					
112	0	0	0	0					
113	1	2	3	0					
114	82	82	164	0					
115	145	131	276	0					
116	253	247	500	0					
117	636	1310	1946	0					
118	111	116	227	0					
119	65	62	127	0					
120	40	37	77	0					
TOTALS	12535	12535	65070	394					



TRIP END SUMMARY --- PURPOSE 4

ZONE/DIST	ORIG/PROD	DEST/ATTR	TOTAL	INTRATRIPTS	ZONE/DIST	ORIG/PROD	DEST/ATTR	TOTAL	INTRATRIPTS
1	303	341	643	0	41	1230	1223	2453	0
2	15052	15146	30198	29	42	198	201	399	17
3	59	50	117	0	43	1243	1237	2480	41
4	1341	3371	6712	591	44	1782	1772	3554	123
5	1412	1435	2847	4	45	736	742	1478	0
6	8681	8658	17339	84	46	1195	1204	2399	0
7	2447	2467	4914	17	47	2071	2045	4116	8
8	4505	4517	9022	13	48	83	89	172	0
9	383	168	751	5	49	161	162	323	0
10	5	2	7	0	50	1998	2012	4010	0
11	11	7	18	0	51	883	892	1775	44
12	304	307	611	0	52	493	481	974	0
13	64	59	123	0	53	151	153	304	0
14	568	553	1121	2	54	131	142	273	0
15	149	160	309	0	55	1054	1065	2119	0
16	42	36	78	0	56	2626	2607	5233	233
17	4175	4175	8350	21	57	995	1003	1998	336
18	484	497	981	0	58	328	314	642	0
19	3040	3018	6058	271	59	3148	3145	6293	28
20	3407	3419	6826	34	60	285	288	573	15
21	3930	3965	7915	936	61	141	125	266	0
22	322	317	639	0	62	3394	3388	6782	17
23	1139	1125	2264	0	63	972	953	1925	0
24	1510	1524	3034	38	64	1263	1260	2523	0
25	1717	1709	3426	167	65	219	213	432	0
26	1835	1813	3648	9	66	967	954	1921	24
27	1073	1081	2156	18	67	701	708	1409	0
28	17	20	37	0	68	794	800	1594	38
29	29	27	56	0	69	3593	3569	7162	35
30	5	2	7	0	70	744	754	1498	0
31	37	36	73	0	71	3079	3094	6173	0
32	7401	7397	14798	128	72	867	835	1702	0
33	2524	2505	5029	149	73	193	188	381	0
34	5634	5642	11276	38	74	635	633	1270	0
35	2822	2834	5656	84	75	1374	1545	3119	51
36	1144	1123	2267	72	76	1503	1508	3011	0
37	643	635	1278	198	77	812	817	1629	148
38	3356	3406	6762	0	78	975	1004	1979	0
39	236	233	469	2	79	135	124	259	0
40	5176	5181	10357	148	80	602	616	1218	0

TRIP END SUMMARY --- PURPOSE 4

ZONE/DIST	ORIG/PROD	DEST/ATTR	TOTAL	INTRATRIPTS	ZONE/DIST	ORIG/PROD	DEST/ATTR	TOTAL	INTRATRIPTS
81	1530	1513	3043	15	121	1406	1423	2829	0
82	851	865	1716	0	122	374	367	741	0
83	1752	1770	3522	11	123	83	78	161	0
84	1555	1566	3121	0	124	435	444	879	0
85	127	133	260	0	125	13	11	24	0
86	63	61	124	10	126	347	354	701	0
87	821	818	1639	14	127	1411	1403	2814	349
88	795	798	1593	0	128	165	169	334	9
89	246	237	483	5	129	21	19	40	0
90	825	820	1645	39	130	908	915	1823	0
91	523	507	1030	29	131	5430	5426	10856	12
92	155	164	319	0	132	43	41	84	0
93	4244	4248	8492	51	133	689	692	1381	0
94	113	110	223	0	134	1033	1027	2060	0
95	394	406	800	0	135	315	319	634	0
96	3173	3160	6333	7	136	434	429	863	0
97	1191	1193	2384	90	137	3446	3449	6895	1580
98	336	332	668	0	138	23	22	45	0
99	1683	1681	3364	17	139	183	181	364	0
100	766	773	1539	0	140	276	277	553	49
101	284	285	569	28	141	169	163	332	4
102	480	480	960	0	142	87	90	177	0
103	1282	1266	2548	0	143	1415	1413	2828	569
104	3612	3620	7232	51	144	89	86	175	0
105	5870	5851	10121	67					
106	97	87	184	0					
107	826	816	1642	0					
108	195	209	404	0					
109	18	20	38	0					
110	89	84	173	0					
111	1466	1469	2935	31					
112	78	82	160	0					
113	65	63	128	0					
114	880	880	1760	0					
115	578	573	1151	6					
116	3710	3712	7422	97					
117	9007	8975	17982	44					
118	3927	3917	7844	33					
119	2684	2685	5369	10					
120	882	880	1762	130					

TOTALS 208125 208125 416250 7919



附錄三 路網節點地名對照表

路名	節點	地名	路名	節點	地名
高速公路	201	基隆	高速公路	231	西螺交流道
	202	八堵交流道		232	斗南交流道
	203	中興隧道		233	嘉義交流道
	204	大業隧道		234	水上交流道
	205	五堵交流道		235	新營交流道
	206	汐止交流道		236	麻豆交流道
	207	內湖交流道		237	永康交流道
	208	圓山交流道		238	台南交流道
	209	台北交流道		239	路竹交流道
	210	三重交流道		240	岡山交流道
	211	五股交流道		241	楠梓交流道
	212	林口交流道		242	高雄交流道
	213	桃園交流道		243	高速公路終點
	214	機場交流道	台 1 線	401	三重
	215	大園交流道		402	菜寮
	216	中正機場		403	台 1 x 台 1 丁
	217	內壢交流道		404	1 0 6 x 台 1 丁
	218	中壢交流道		405	台 1 x 1 0 6 甲
	219	楊梅交流道		406	新莊
	220	湖口交流道		407	台 1x106 (丹鳳)
	221	新竹交流道		408	下坡角 (塔寮坑)
	222	頭份交流道		409	龜山
	223	苗栗交流道		410	台 1 x 1 1 0
	224	三義交流道		411	桃園
	225	豐原交流道		412	埔頂
	226	大雅交流道		413	中壢
	227	台中交流道		414	平鎮
	228	王田交流道		415	竹北
	229	彰化交流道		416	新竹
	230	員林交流道		417	香山



附錄三 路網節點地名對照表 (續 1)

路	名	節	點	地	名	路	名	節	點	地	名
台 1 線		418		內湖		台 1 線		448		隆田	
		419		頭份				449		小新營	
		420		尖山				450		新市	
		421		談文				451		大甲頂	
		422		後龍				452		台南	
		423		十斑坑				453		大湖	
		424		西湖				454		路竹	
		425		通霄				455		岡山	
		426		苑裡				456		橋頭	
		427		大甲				457		磚子窖	
		428		甲南				458		台 1 x 台 3	
		429		清水				459		屏東	
		430		沙鹿				460		內埔	
		431		龍井				461		潮州	
		432		中庄				462		水底寮	
		433		彰化				463		楓港	
		434		員林		台 2 線		471		關渡	
		435		北斗				472		淡水	
		436		西螺				473		三芝	
		437		荖桐				474		石門	
		438		斗六				475		金山	
		439		斗南				476		萬里	
		440		大林				477		三角嶺腳	
		441		民雄				478		瑞濱	
		442		嘉義				479		瑞芳	
		443		水上				480		八堵	
		444		後壁				481		頭城	
		445		安溪寮				482		大福	
		446		新營				483		清水	
		447		林鳳營		台 4 線		491		台 4 x 1 1 0	



附錄三 路網節點地名對照表 (續2)

路名	節點	地名	路名	節點	地名
台4線	492	更寮腳	台3線	530	鹿滿
台3線	501	台3x106甲		531	中埔
	502	板橋		532	汴水
	503	土城		533	楠西
	504	三峽		534	玉井
	505	大溪		535	北寮
	506	崎頂		536	南化
	507	龍潭		537	中埔
	508	深窩		538	旗山
	509	關西		539	旗尾
	510	竹東		540	里港
	511	珊瑚湖	台5線	551	汐止
	512	三灣	台7線	561	羅浮
	513	汶水		562	棲蘭
	514	大湖		563	梨山
	515	卓蘭		564	牛鬥
	516	東勢	台11線	571	豐濱
	517	豐原		572	成功
	518	潭子		573	東河
	519	北屯		574	富源
	520	台中		575	台東
	521	台3x136	台13線	581	竹南
	522	霧峯		582	頭屋
	523	草屯		583	苗栗
	524	南岡工業區		584	北勢
	525	南投		585	銅羅
	526	名間		586	三義
	527	竹山		587	后里
	528	林內	台15線	591	龍形
	529	梅山		592	八里



附錄三 路網節點地名對照表 (續3)

路名	節點	地名	路名	節點	地名
台 1 5 線	593	下福	台 1 7 線	635	芳苑
	594	竹園		636	施厝寮
	595	大園		637	麥寮
	596	觀音		638	海口
	597	觀音		639	三條崙
	598	永安		640	金湖
	599	舊港		641	東石
台 9 線	601	新店		642	布袋
	602	烏來		643	北門
	603	坪林		644	七股
	604	宜蘭		645	永吉
	605	羅東		646	十二甲
	606	蘇澳		647	台南
	607	太魯閣		648	湖內
	608	花蓮		649	維新
	609	榕樹		650	彌陀
	610	萬榮		651	梓官
	611	光復		652	林園
	612	玉里		653	烏龍
	613	富里		654	東港
	614	德高	台 1 9 線	661	溪湖
	615	鹿野		662	埤頭
	616	卑南		663	山子門
	617	知本		664	崙背
	618	太麻里		665	褒忠
	619	達仁		666	元長
台 1 7 線	631	梧棲		667	新街
	632	伸港		668	北港
	633	鹿港		669	台 1 9 x 1 6 4
	634	王功		670	朴子



附錄三 路網節點地名對照表 (續4)

路名	節點	地名	路名	節點	地名
台 1 9 線	671	義竹	台 2 0 線	761	永康
	672	鹽水		762	新化
	673	學甲		763	豐德
	674	佳里		764	左鎮
	675	西港		765	荖農
	676	中崙	台 2 2 線	771	三地
台 2 1 線	681	天冷	台 2 4 線	781	恆春
	682	葉厝	縣 1 0 3 線	801	成子寮
	683	埔里		802	蘆洲
	684	愛蘭	縣 1 0 8 線	803	五股
	685	頂崙	縣 1 0 6 線	804	林口
	686	沙里仙、溪頭		805	泰山
	687	前山		806	中和
	688	甲仙		807	1 1 4 x 1 0 6 甲
	689	嶺口		808	深坑
	690	大樹		809	雙溪
台 2 5 線	691	大寮	縣 1 1 0 線	810	鶯歌
	692	新庄		811	公館崙
	693	萬丹	縣 1 1 4 線	812	新屋
台 6 線	701	公館		813	平鎮
台 8 線	711	大禹嶺		814	樹林
台 1 0 線	721	大雅	縣 1 1 5 線	815	新埔
台 1 2 線	731	公館		816	芎林
	732	烏日	縣 1 2 9 線	817	太平
台 1 4 線	741	社口		818	石壁子
	742	月眉	縣 1 3 6 線	819	南屯
	743	龜溝	縣 1 3 4 線	820	和美
	744	柑子林	縣 1 4 1 線	821	田中
	745	仁愛		822	二水
台 1 8 線	751	後庄	縣 1 4 3 線	823	吳厝



附錄三 路網節點地名對照表（續5）

路名	節點	地名	路名	節點	地名
縣143線	824	虎尾			
	825	無底潭			
縣158線	826	台西			
縣160線	827	四湖			
縣157線	828	溪口			
	829	新港			
縣165線	830	白河			
	831	六甲			
縣173線	832	下營			
	833	麻豆			
縣177線	834	善化			
	835	關廟			
	836	阿蓮			
縣182線	837	歸仁			
縣184線	838	田寮			
縣185線	839	六龜			
縣186線	840	燕巢			
	841	鳳山厝			



台灣地區公路運輸需求分析與預測

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