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ANALYSIS OF DUAL MODE SYSTEMS IN AN URBAN AREA

Volume IVC: Program Documentation of the Transportation Economic Analysis Model (concluded)

Peter Benjamin et al.



DECEMBER 1973

FINAL REPORT

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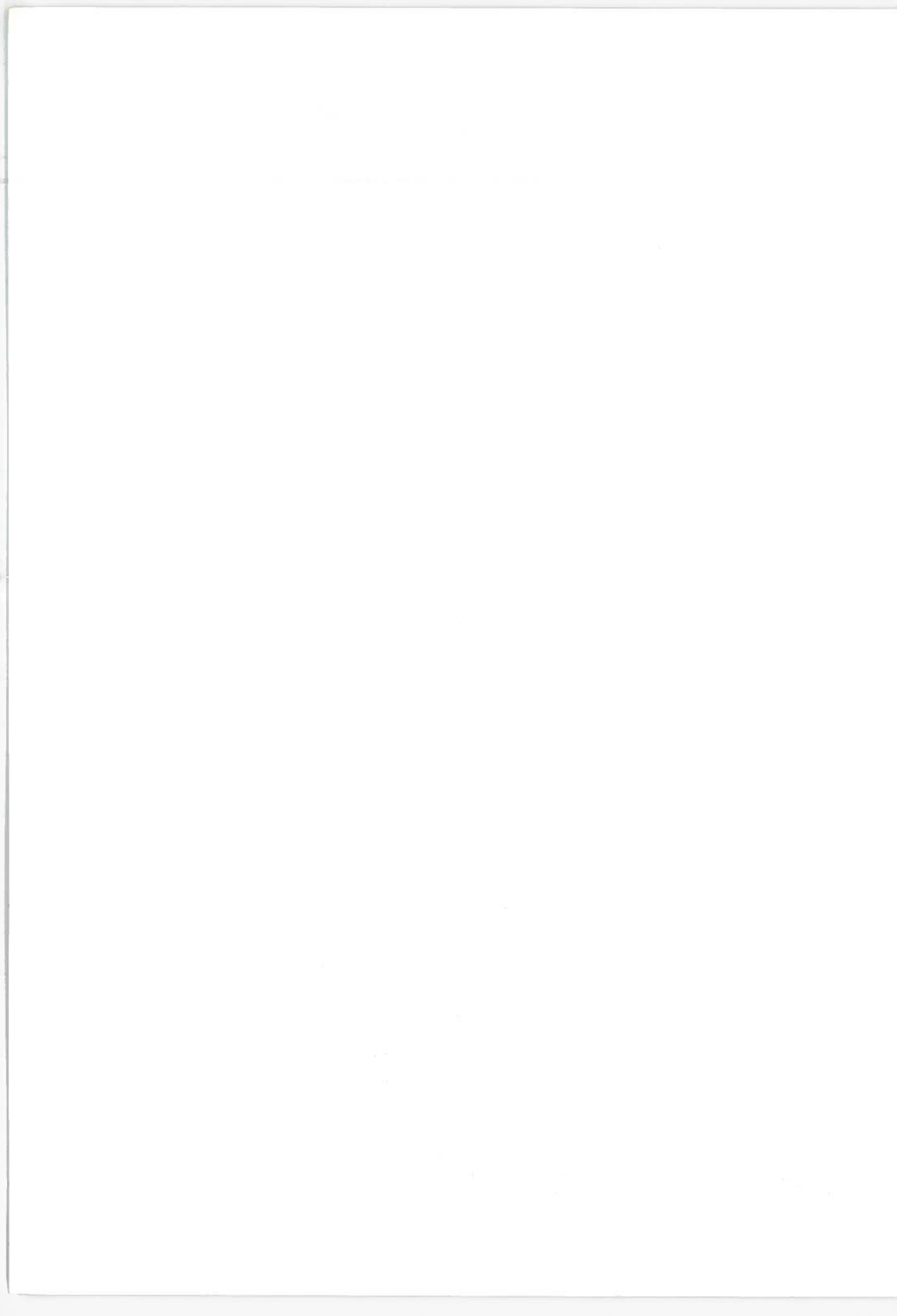
Washington DC 20590

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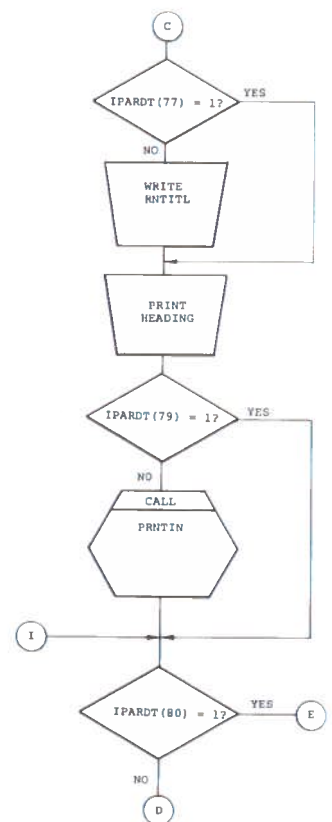
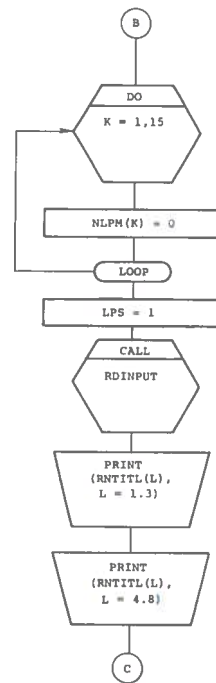
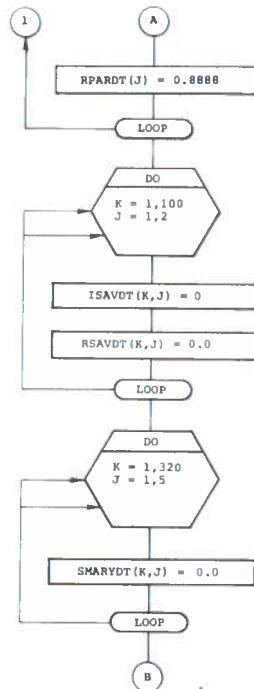
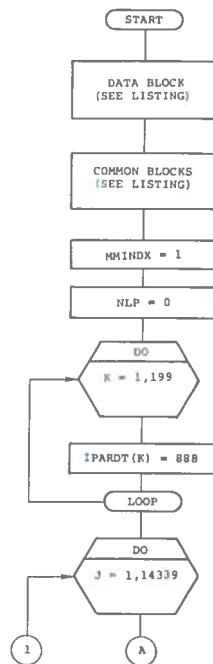
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16. Abstract Various forms of Dual Mode transportation were analyzed in order to assess the economic viability of the Dual Mode concept. A Dual Mode vehicle is one which operates under manual control on a street network for some portion of its trip, and operates under automatic control on an exclusive guideway for some other portion. Specially designed new small Dual Mode vehicles, modifications of existing automobiles, and pallet systems, all operating in conjunction with Dual Mode buses, were examined. The study was conducted in a Boston 1990 scenario, in which an extensive Dual Mode system providing service for the entire urban region was presumed to exist. This study was not intended to be a proposal for Dual Mode in Boston. The following conclusions are considered to be generally applicable to other large urban areas as well: (a) Dual Mode systems appear to be sufficiently attractive to warrant further technological development; (b) for urban-wide applications, a Dual Mode system which includes both buses and personal vehicles is more effective than one consisting of either fleet of vehicles alone; (c) a Dual Mode transportation system benefits from the use of various Dual Mode concepts throughout its development. An effective first step might be to install a limited network Dual Mode minibus system, with capacity for ultimate growth to a longer guideway network with personal vehicles and buses.					
17. Key Words Urban Transportation Systems Dual Mode Systems			18. Distribution Statement DOCUMENT IS AVAILABLE TO THE PUBLIC THROUGH THE NATIONAL TECHNICAL INFORMATION SERVICE, SPRINGFIELD, VIRGINIA 22151.		
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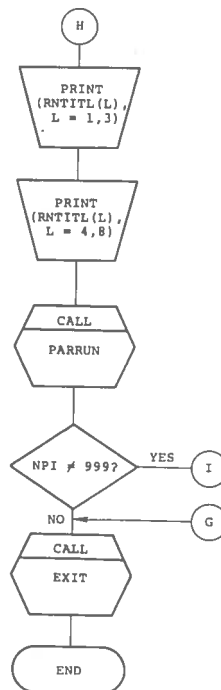
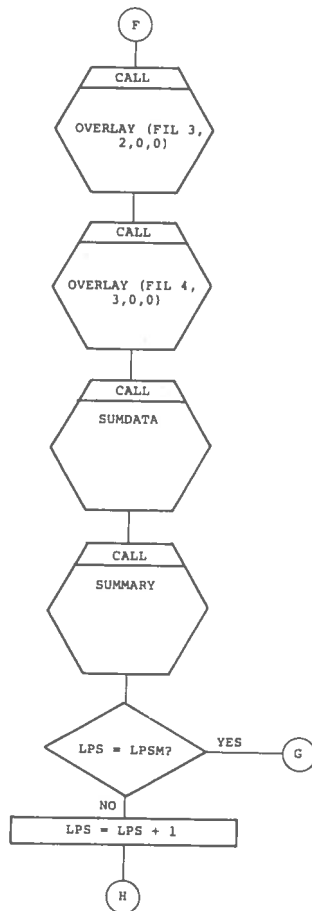
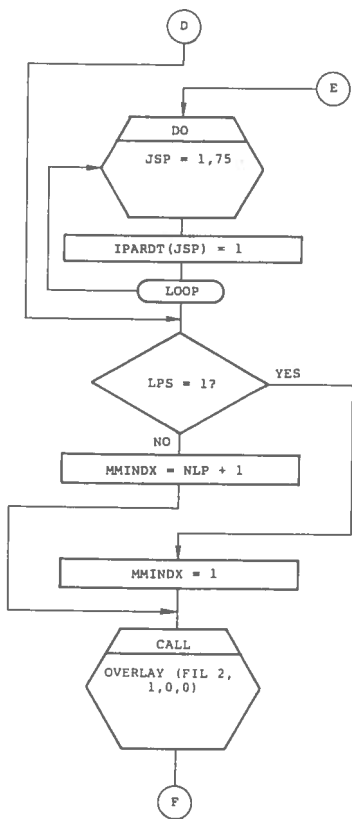


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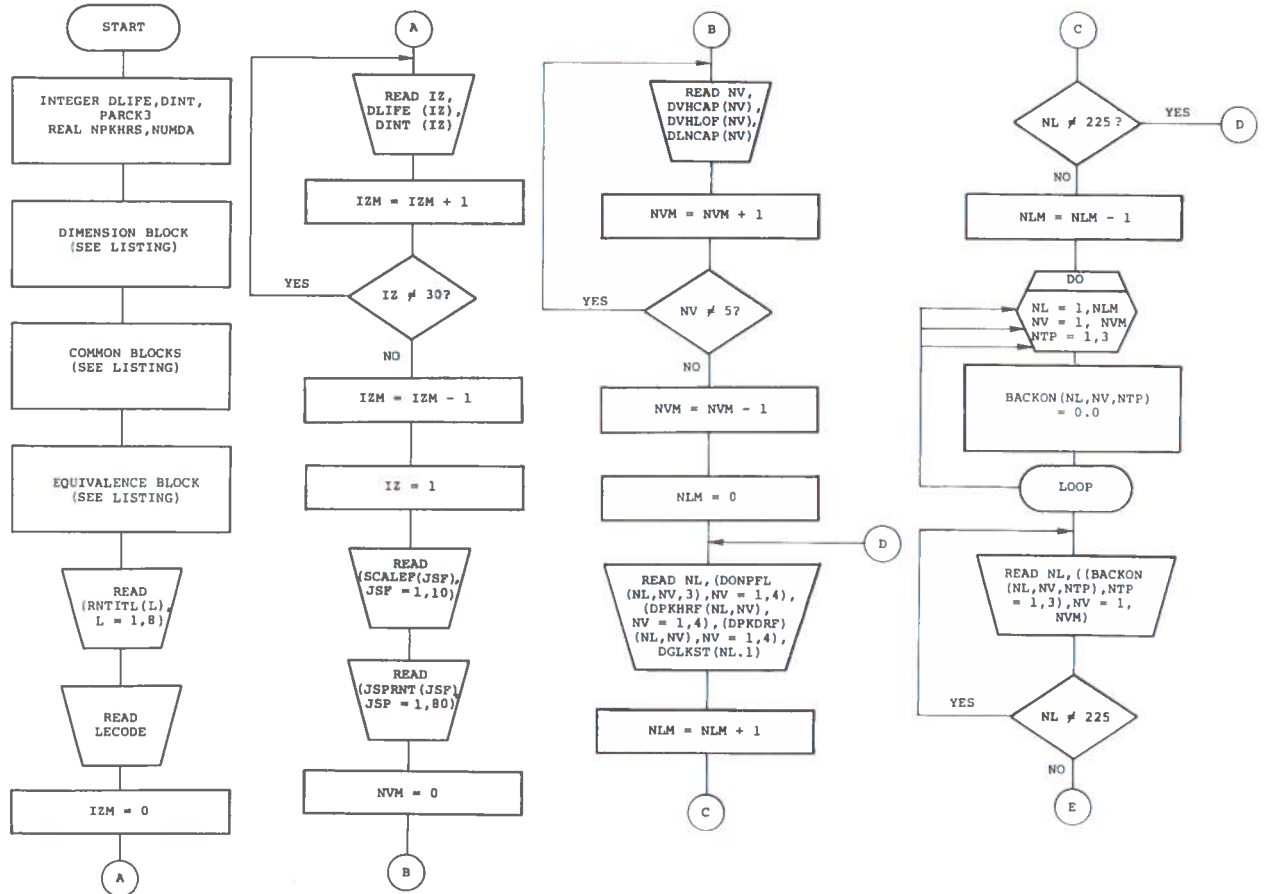
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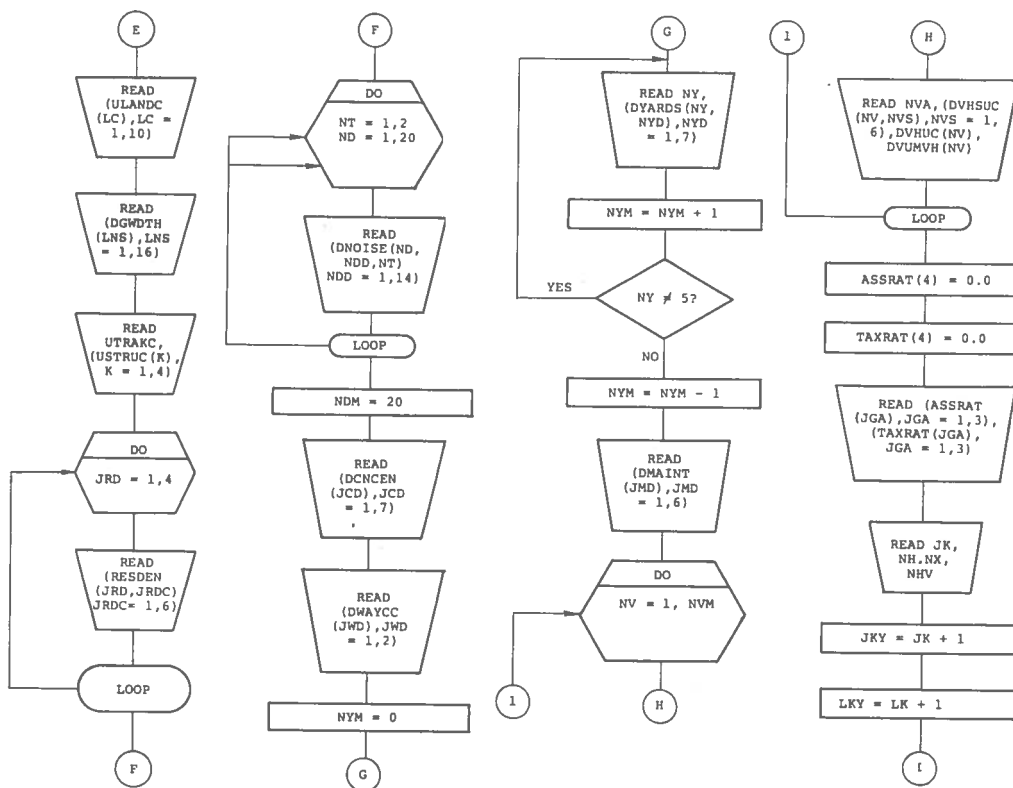
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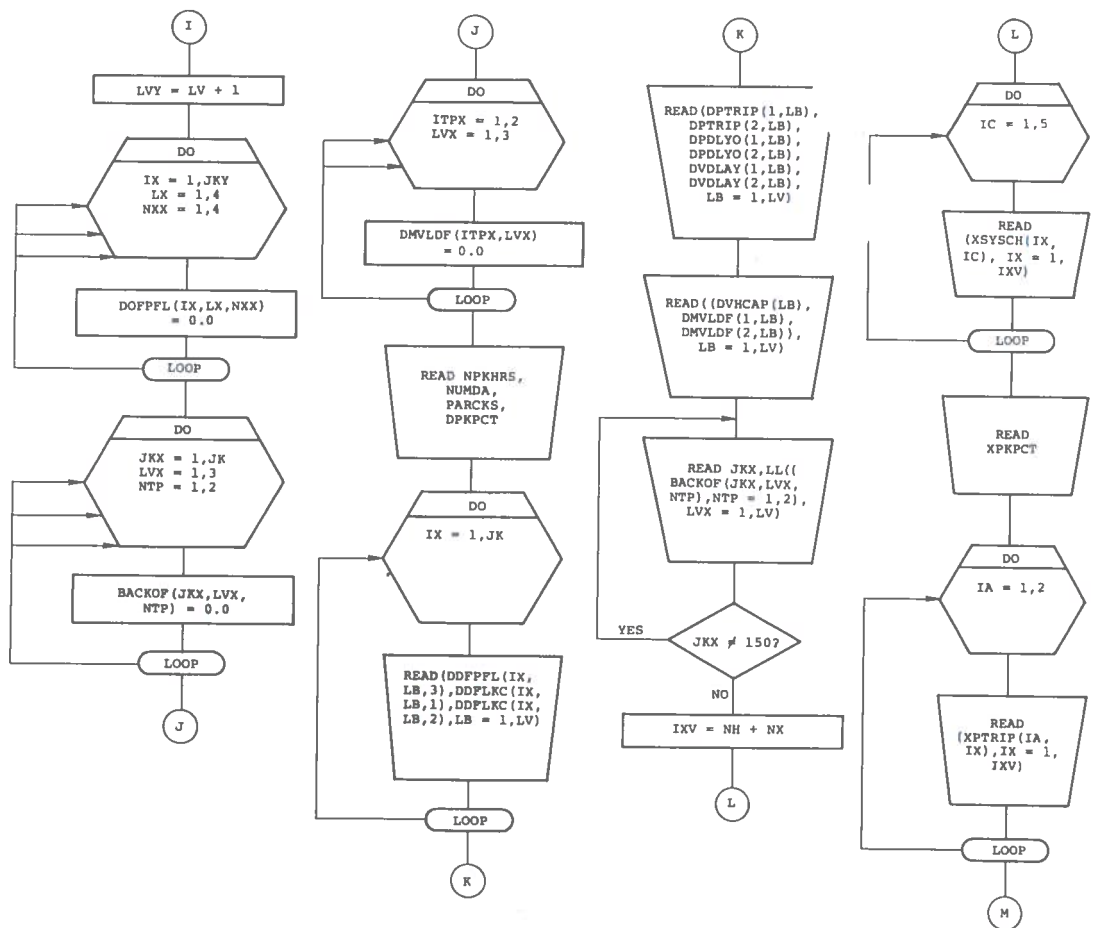


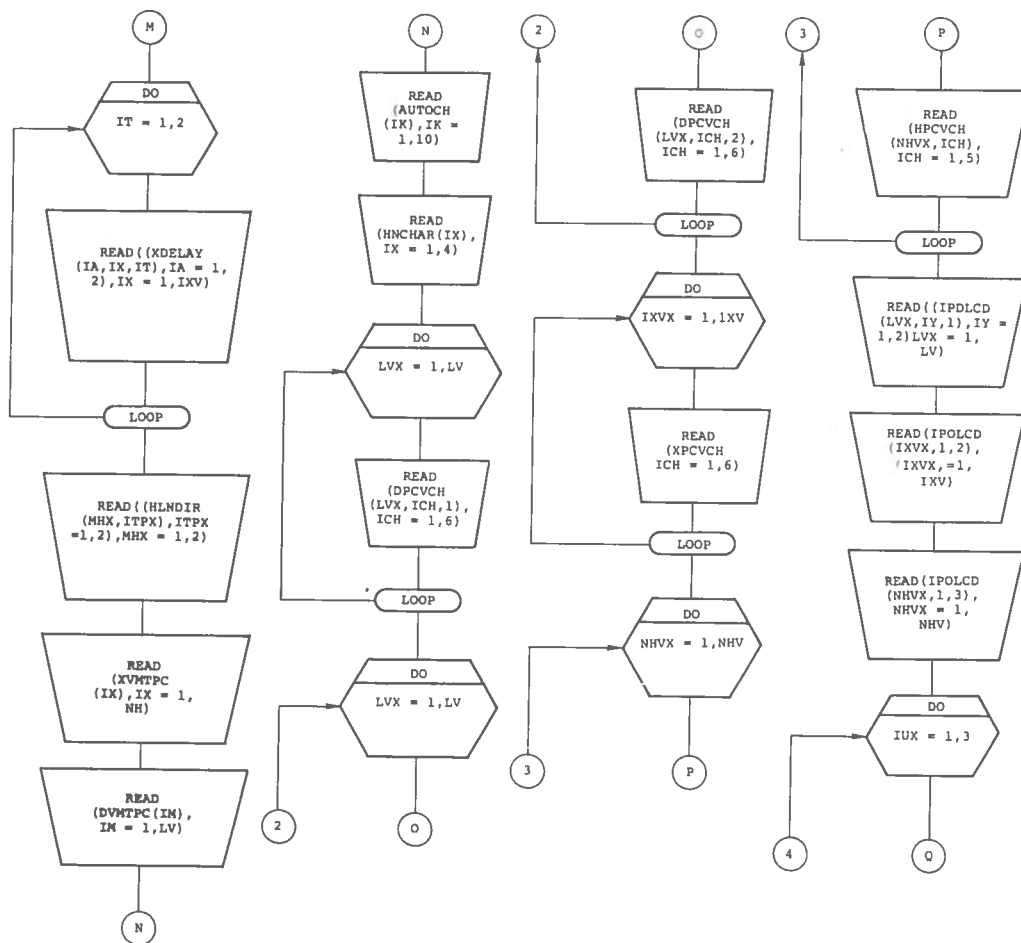


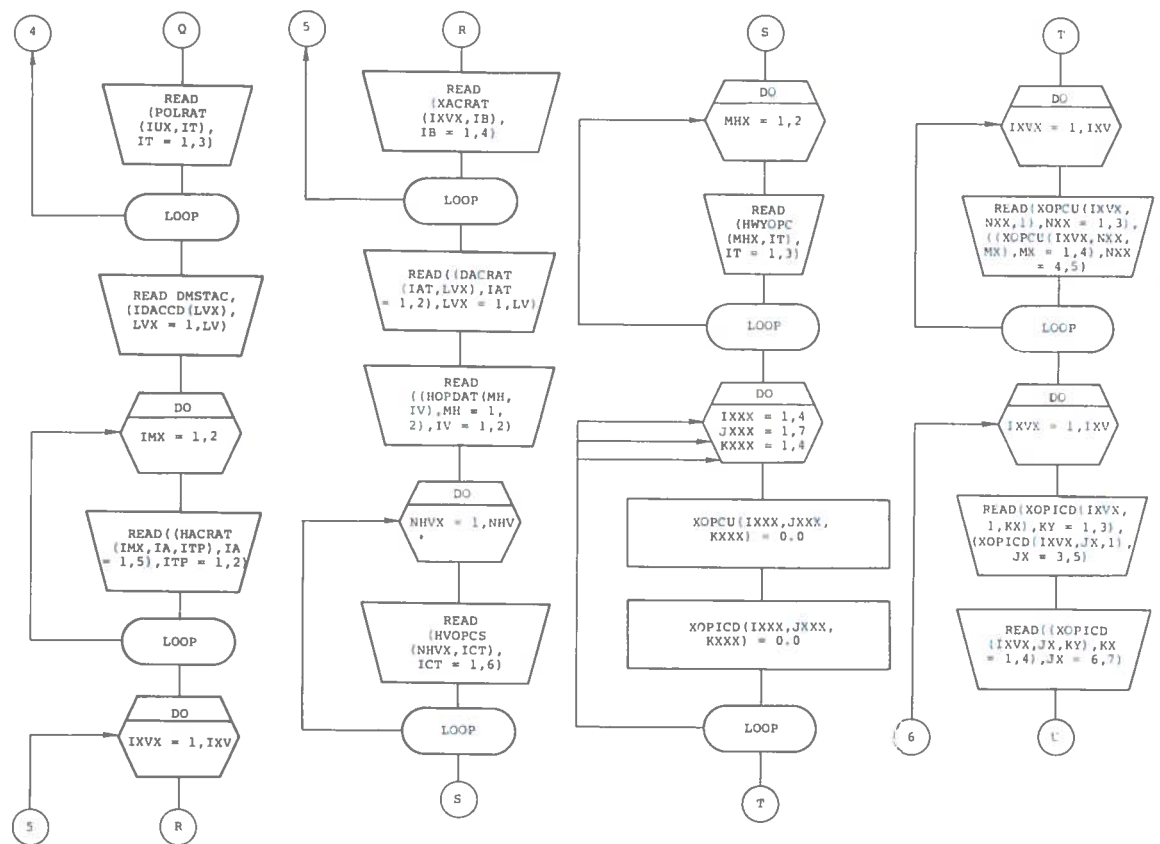
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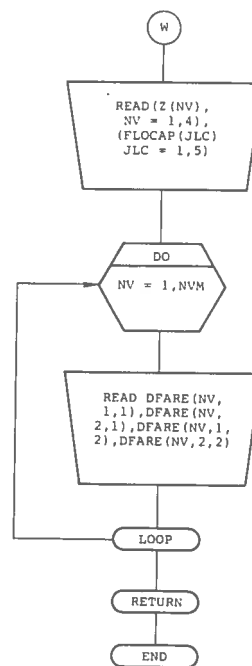
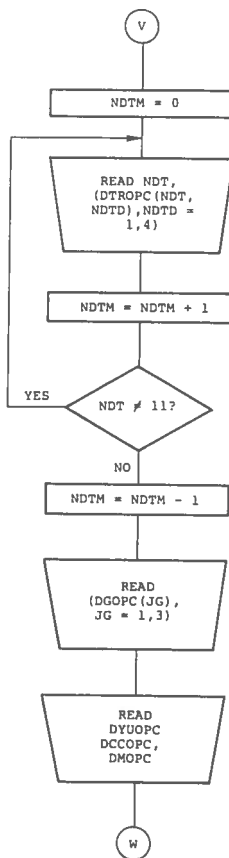
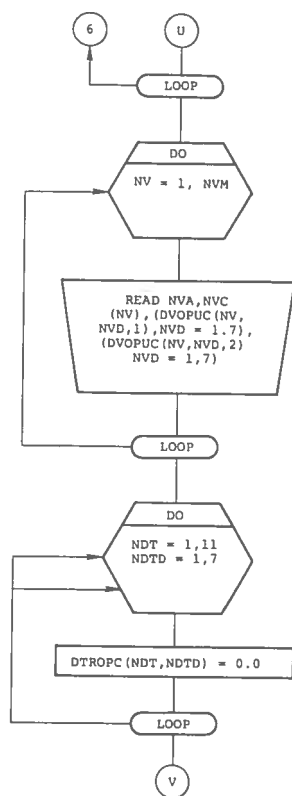




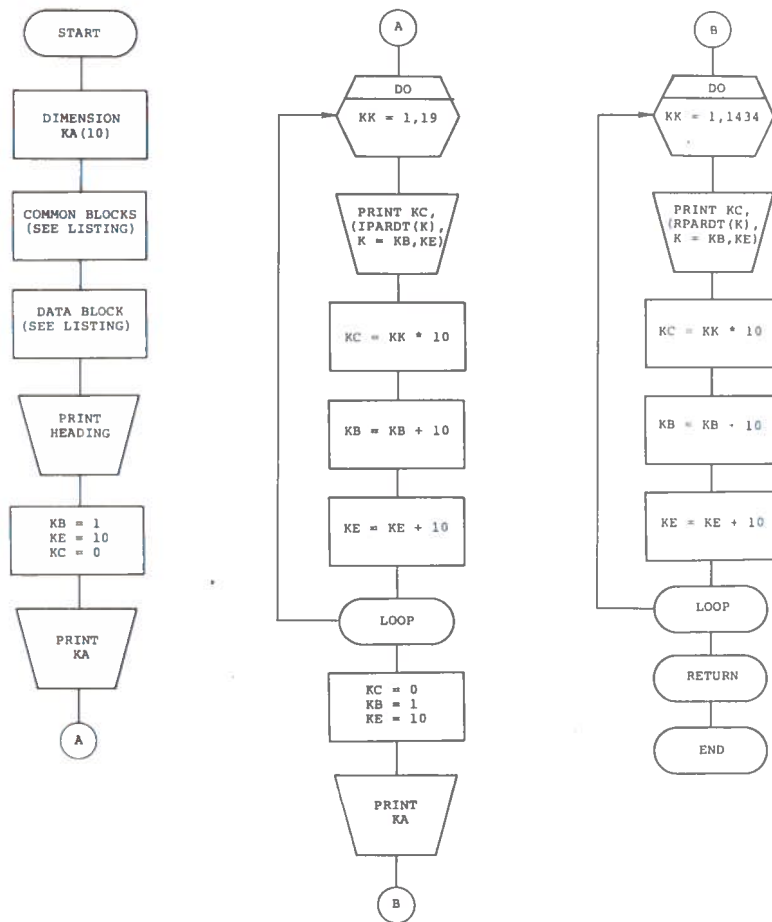




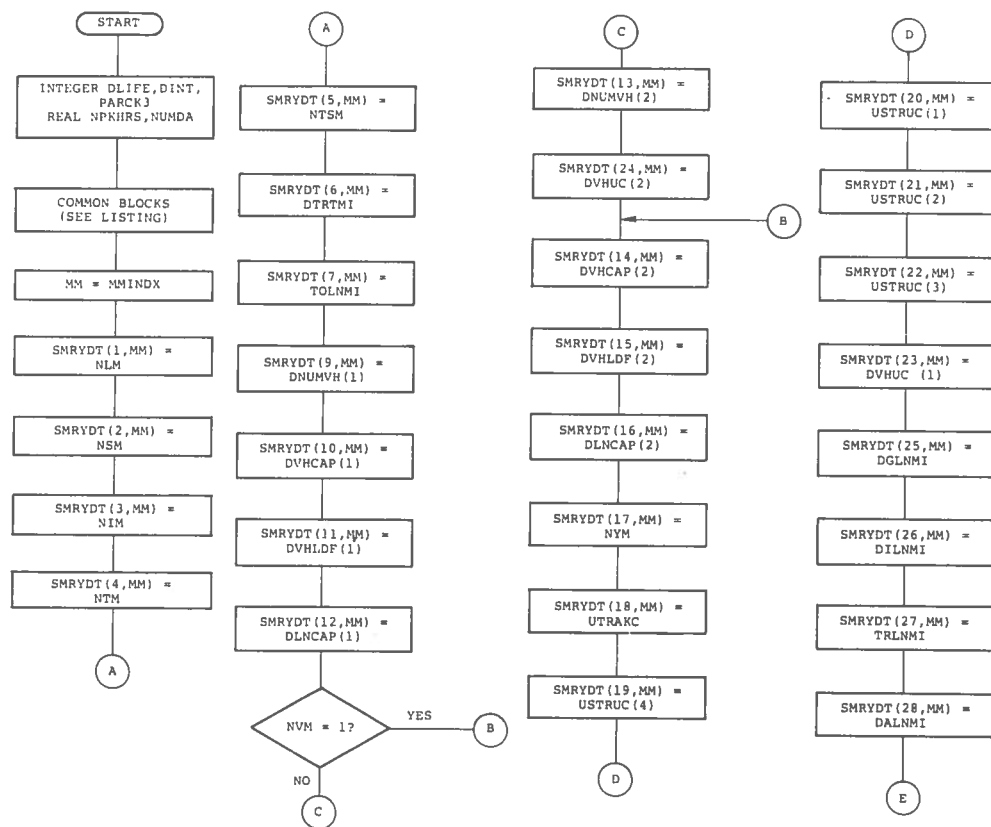


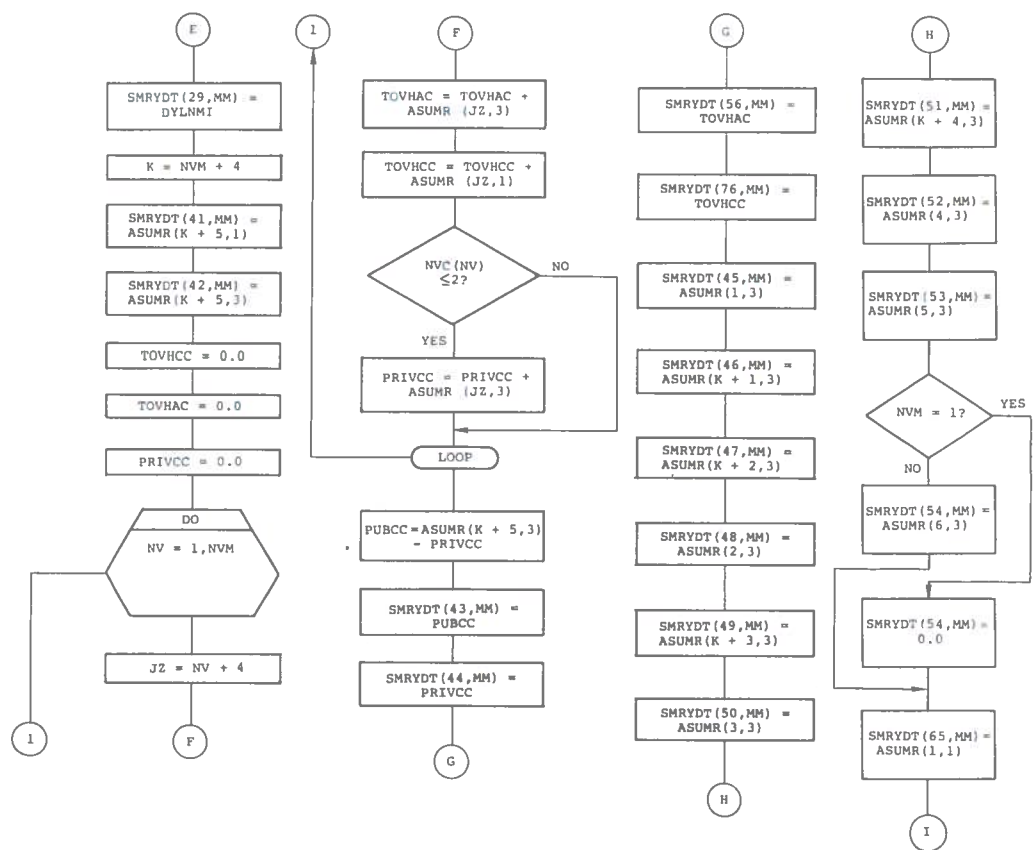


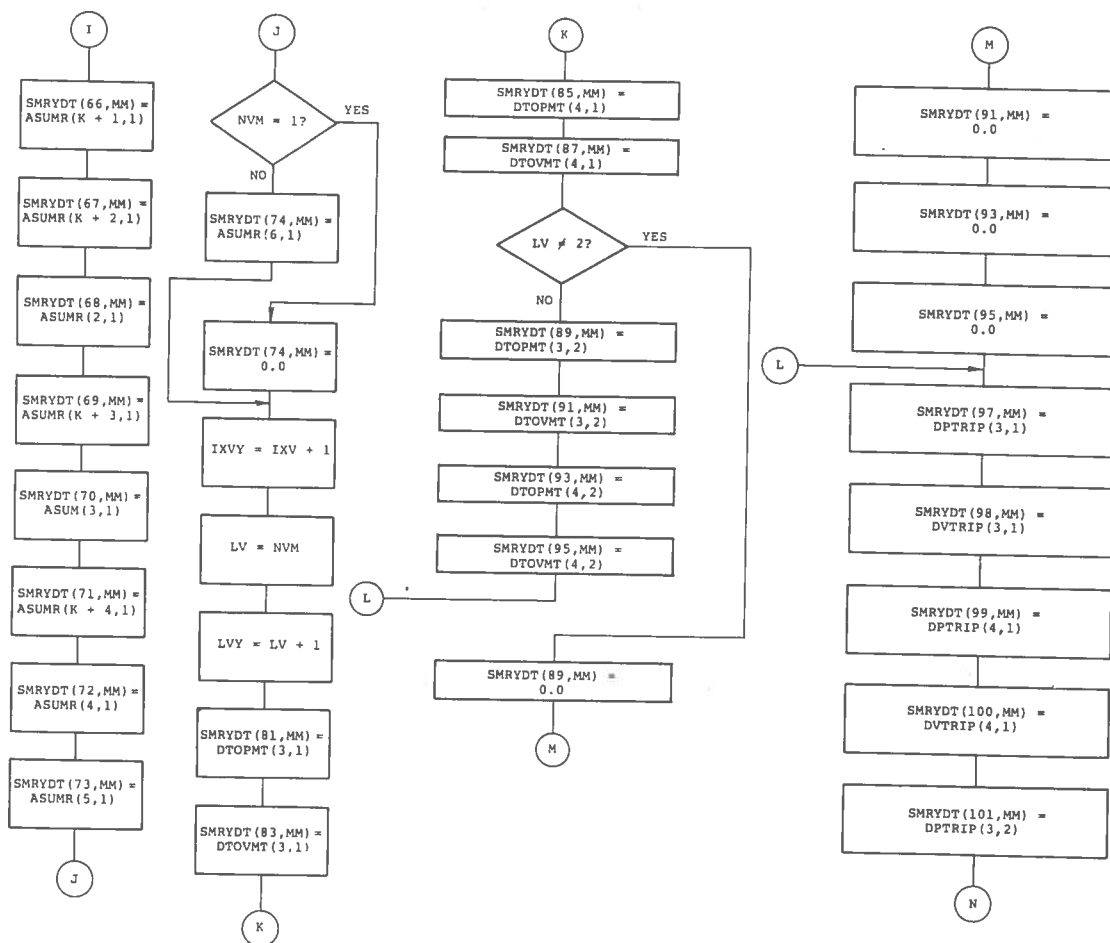
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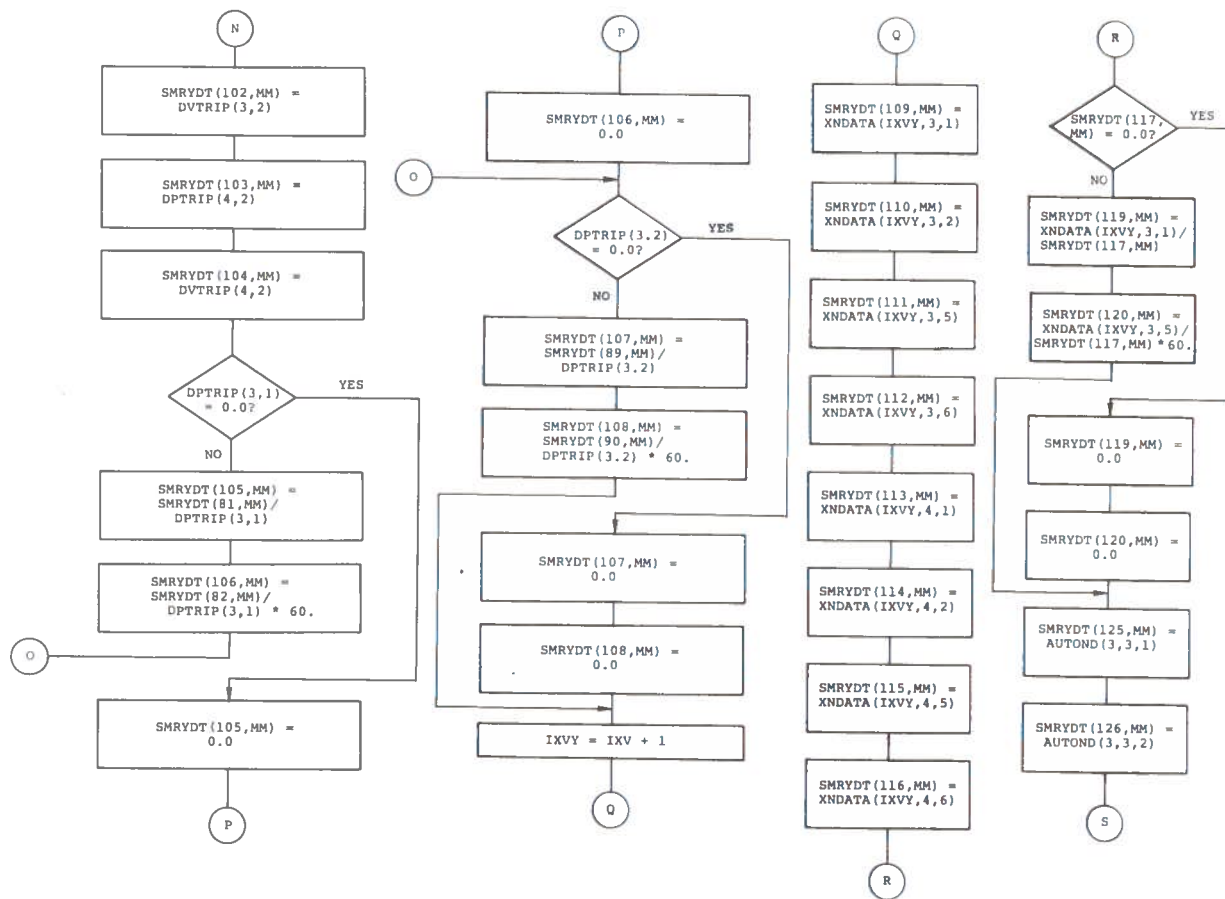


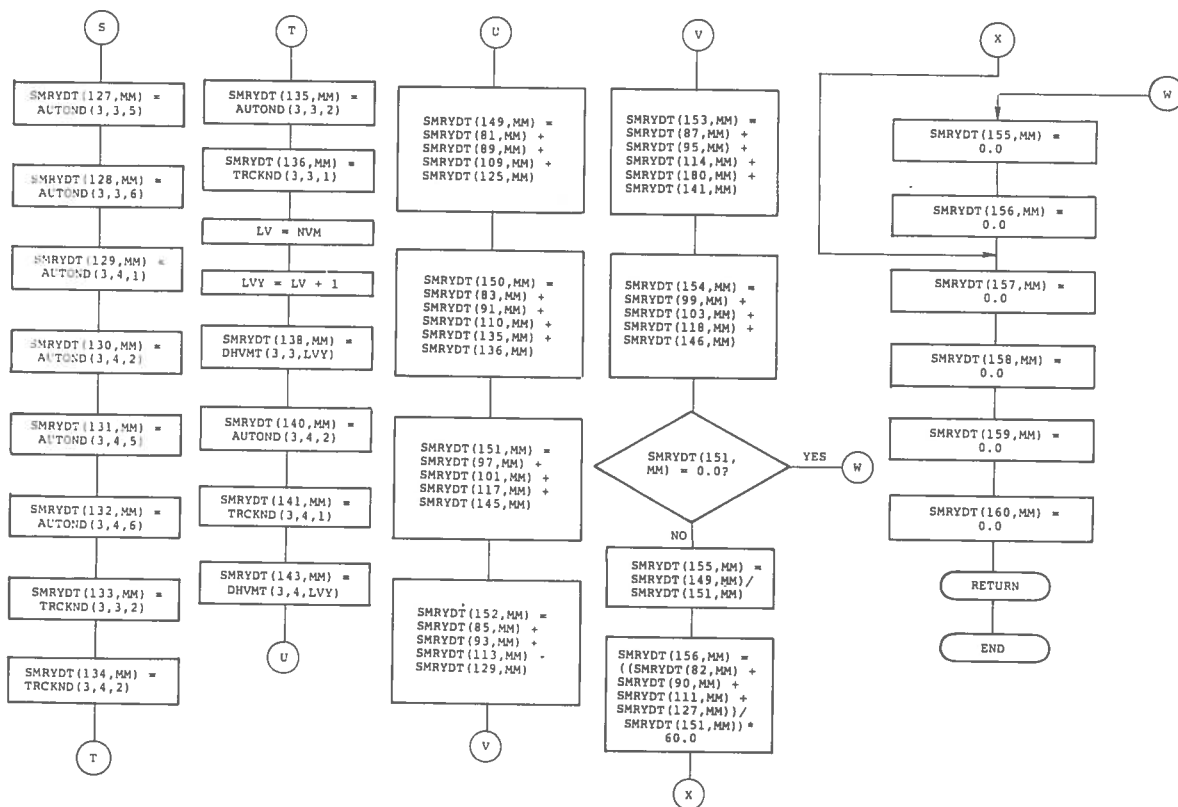
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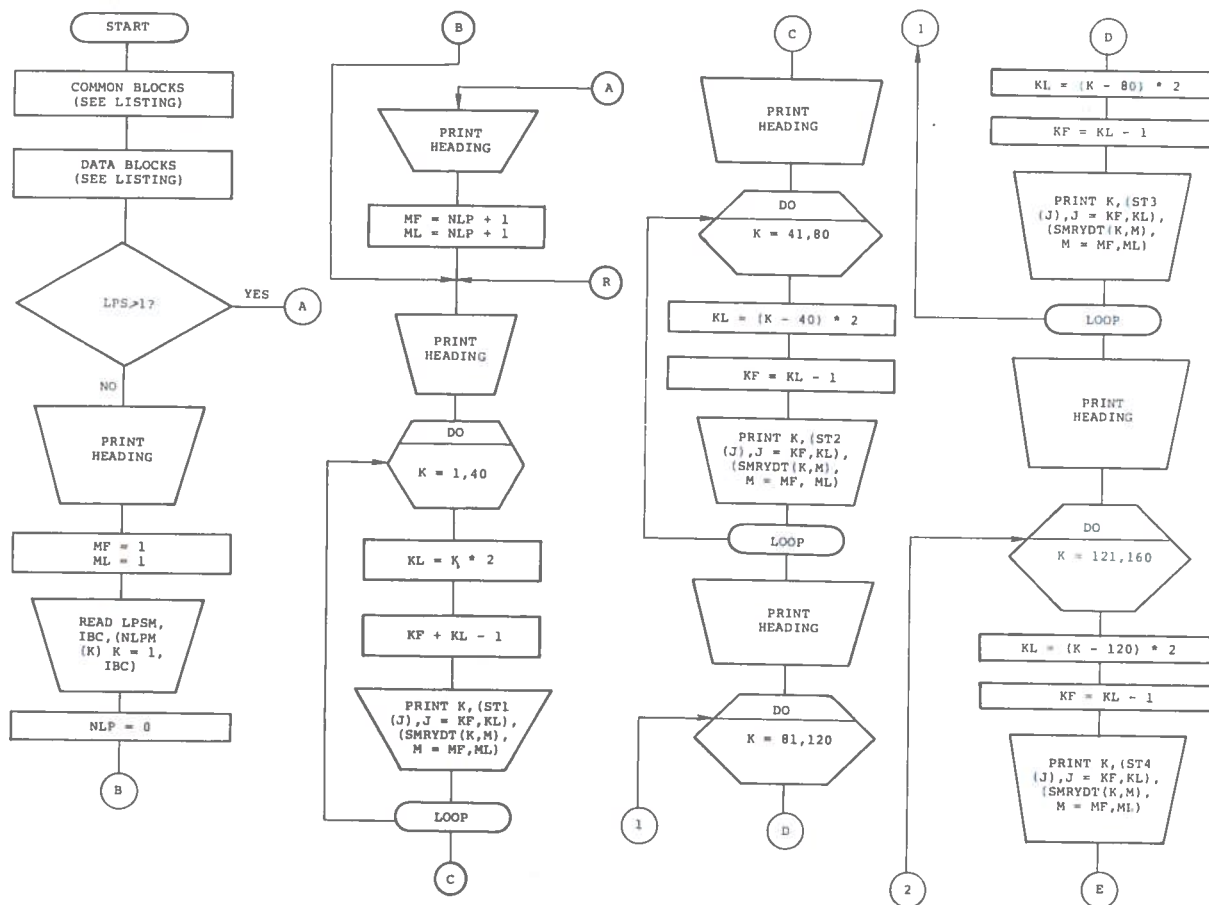


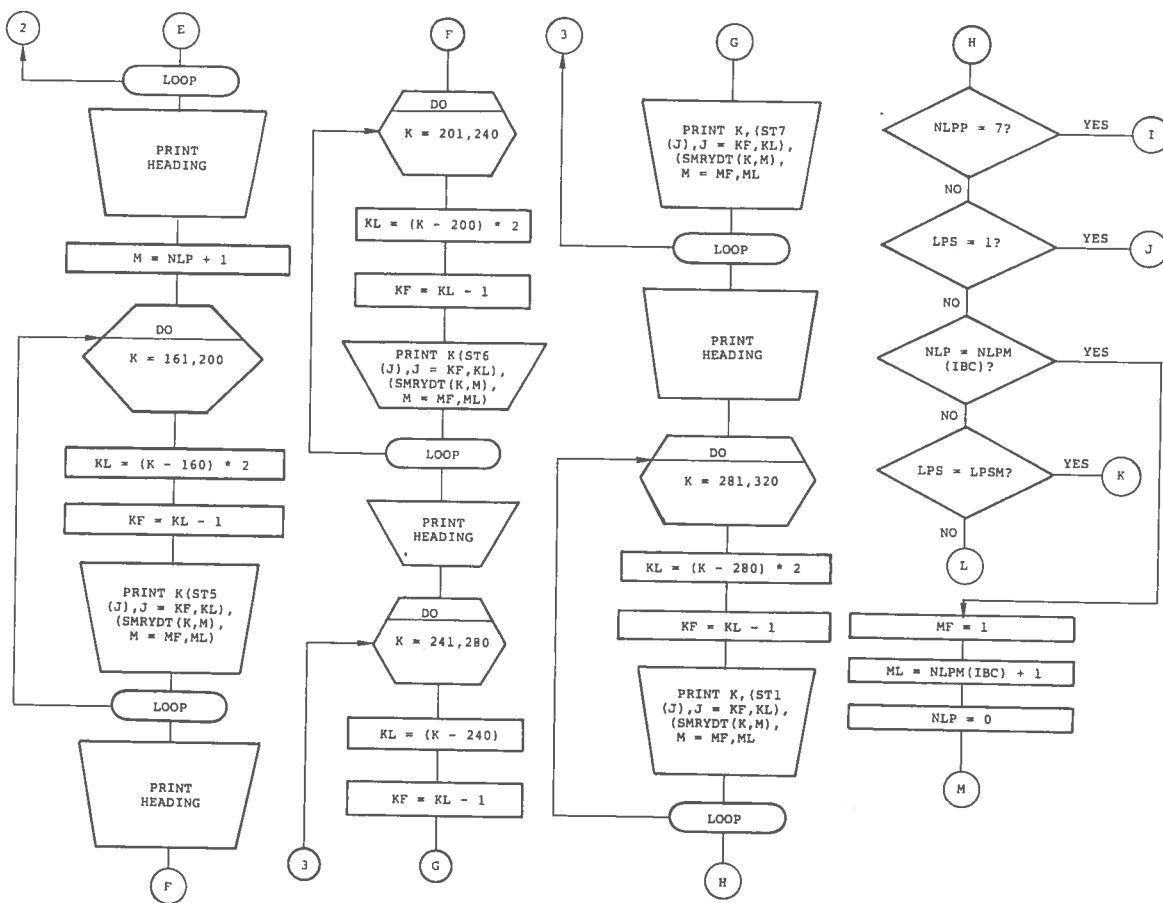


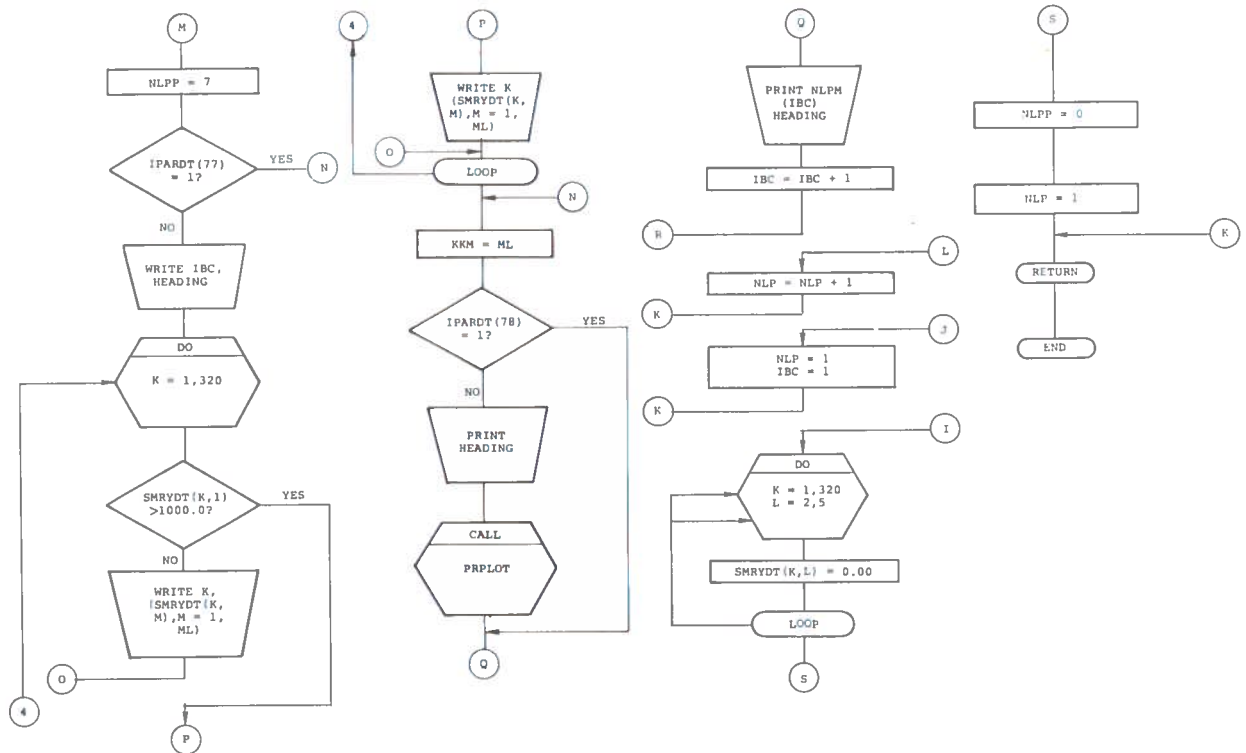


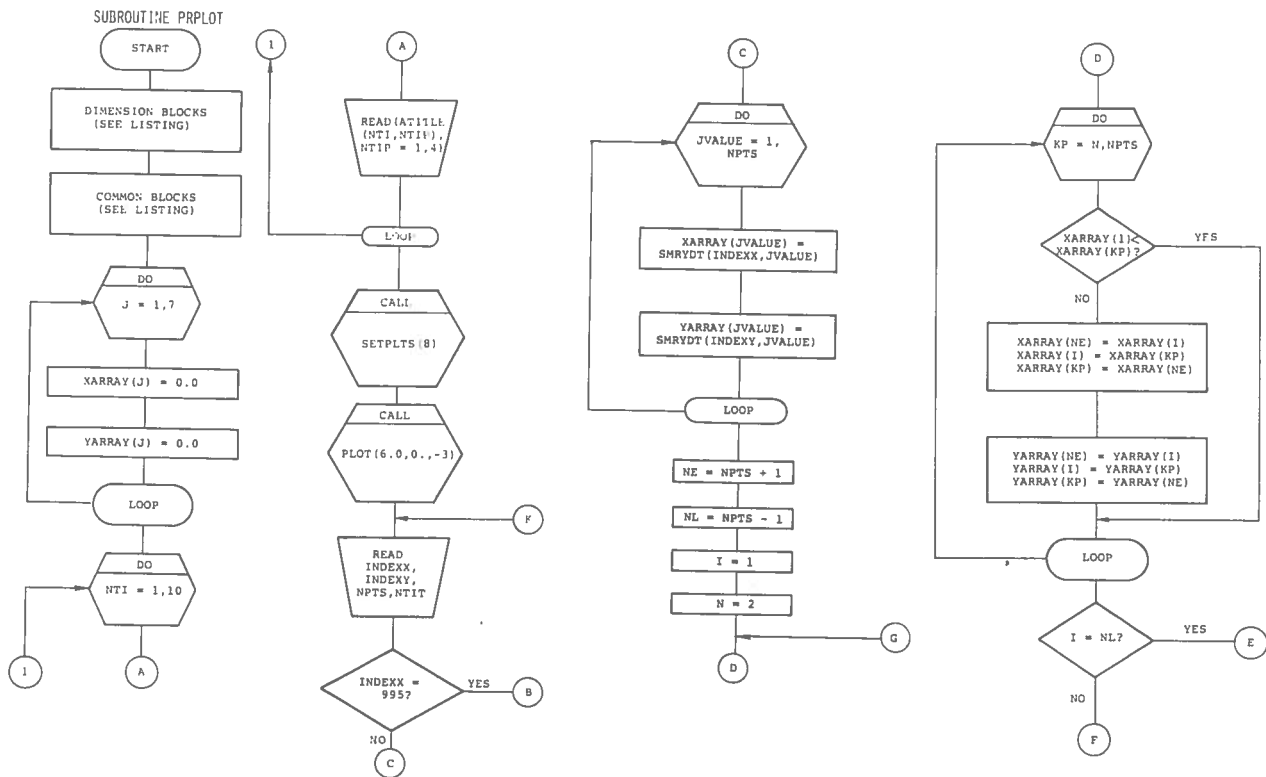


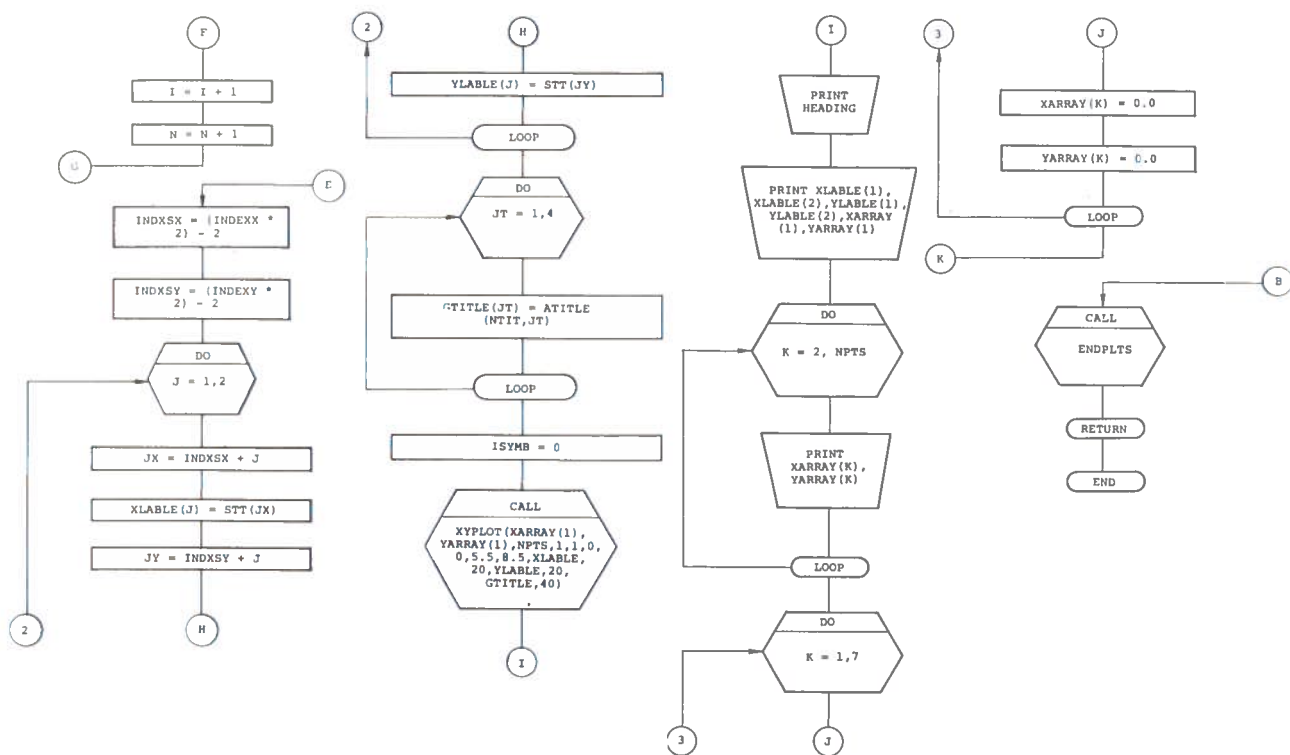
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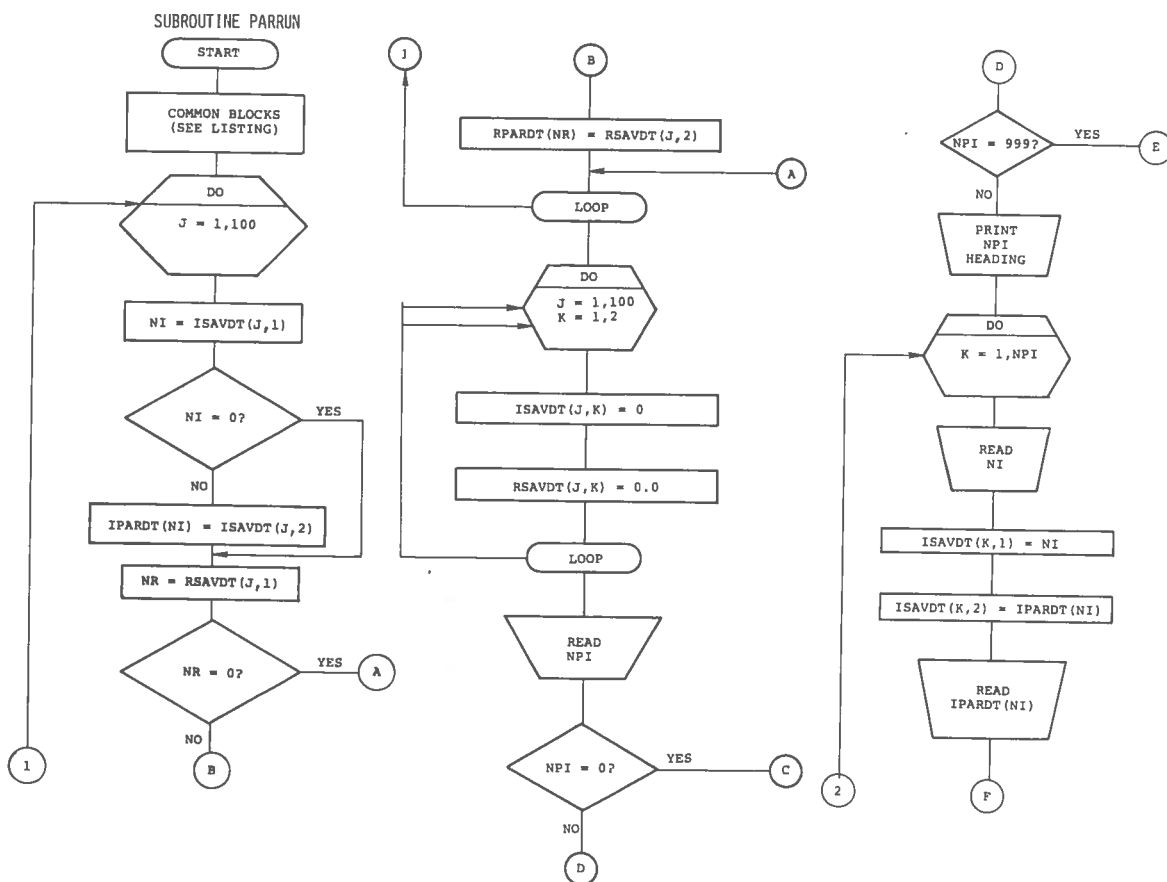




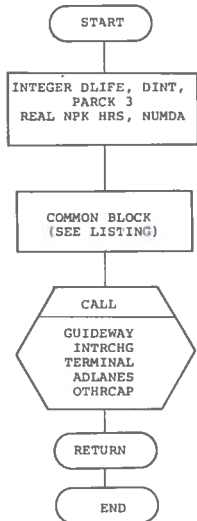
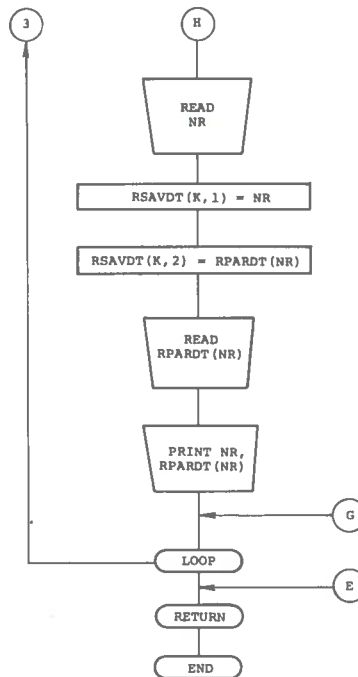
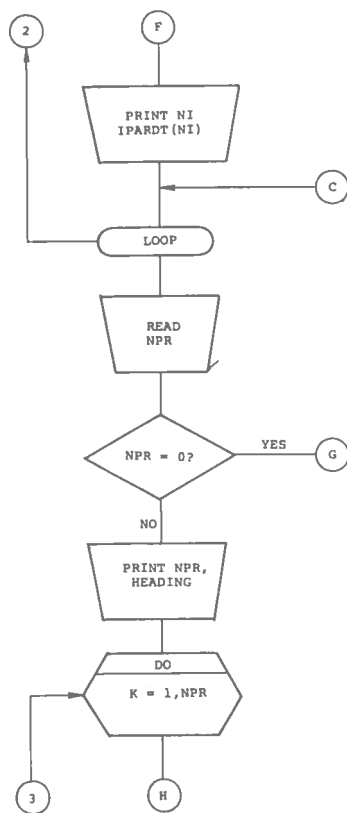




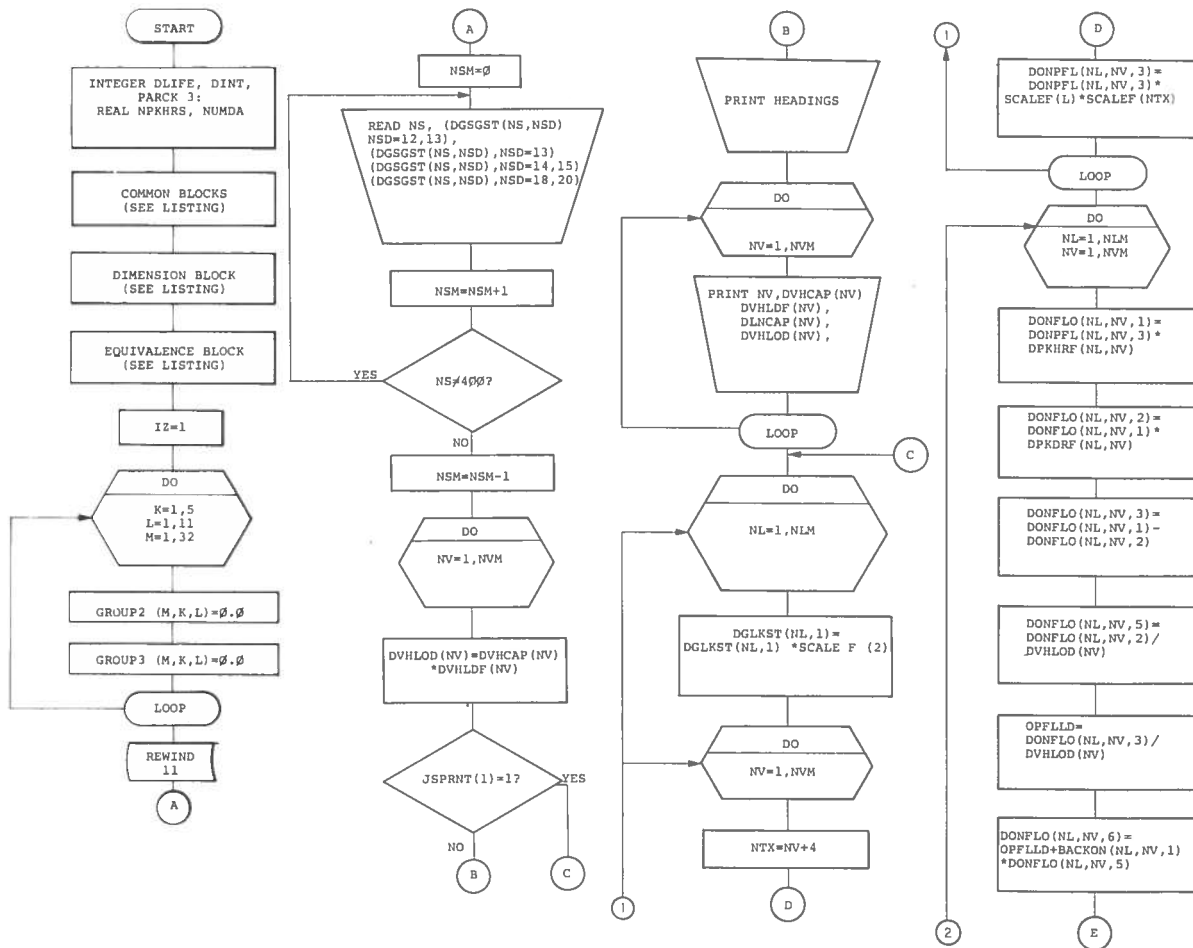


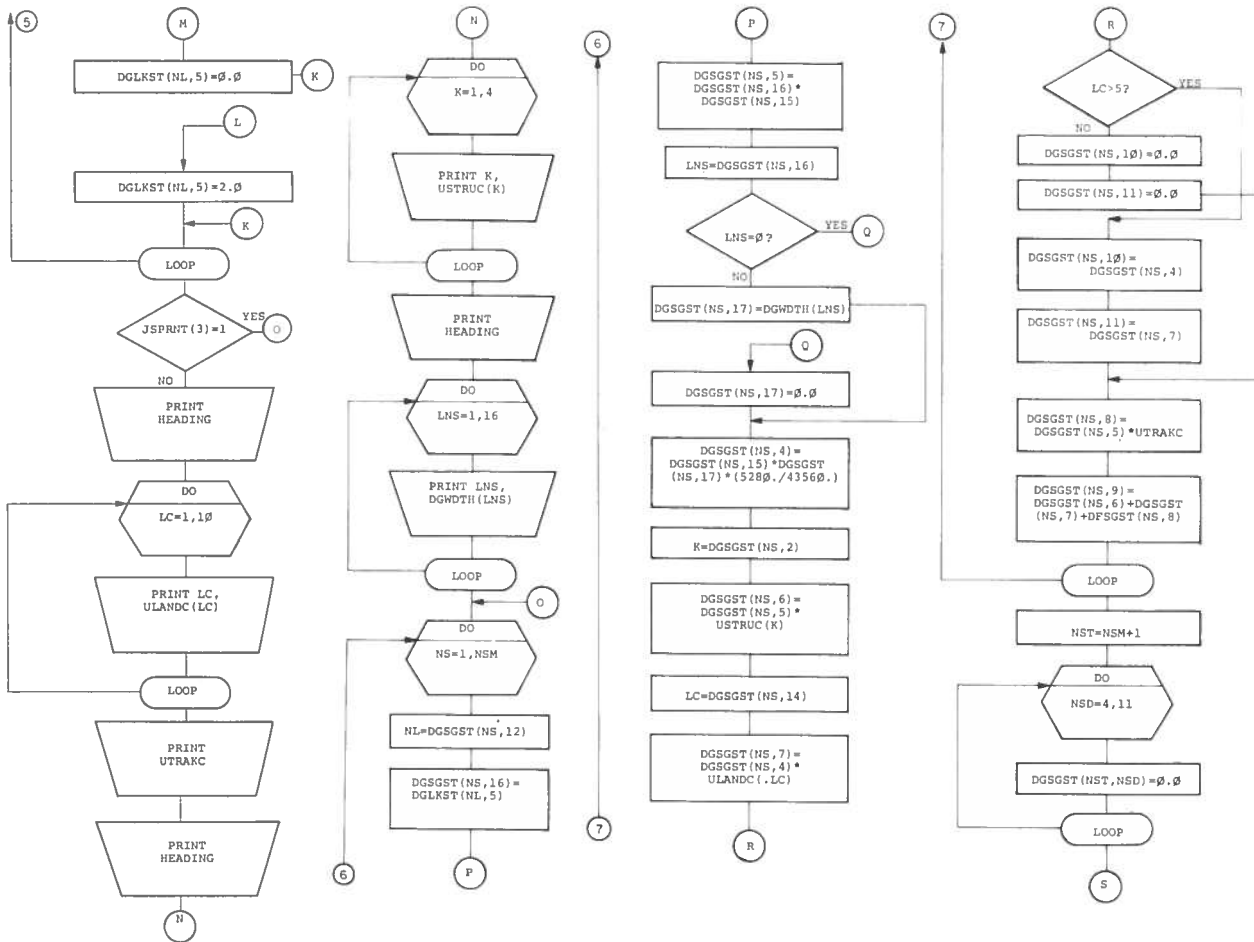


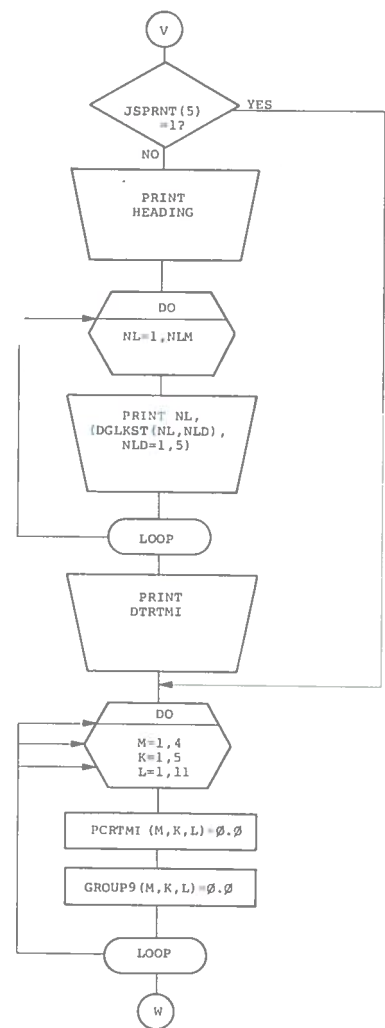
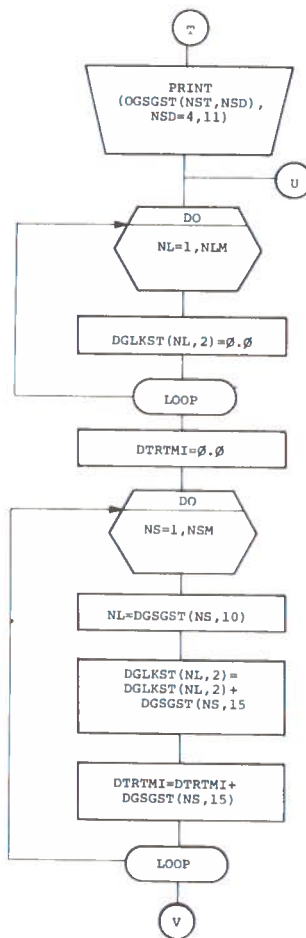
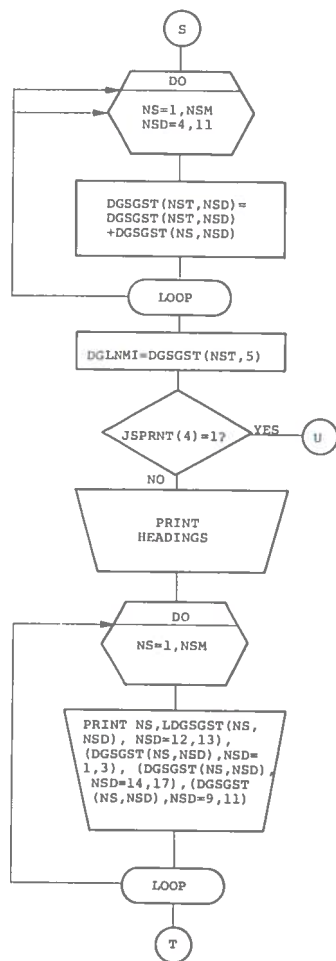
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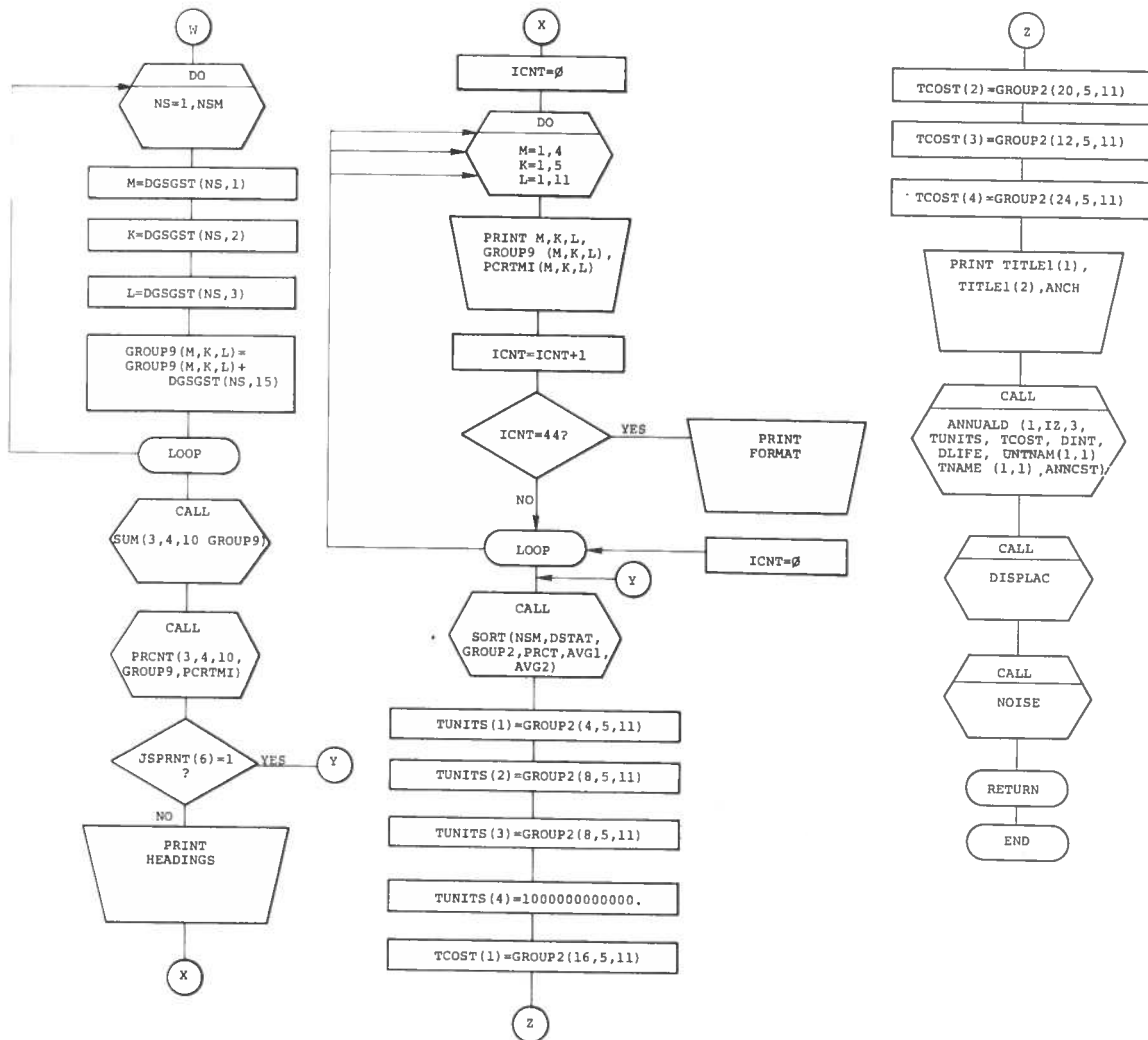


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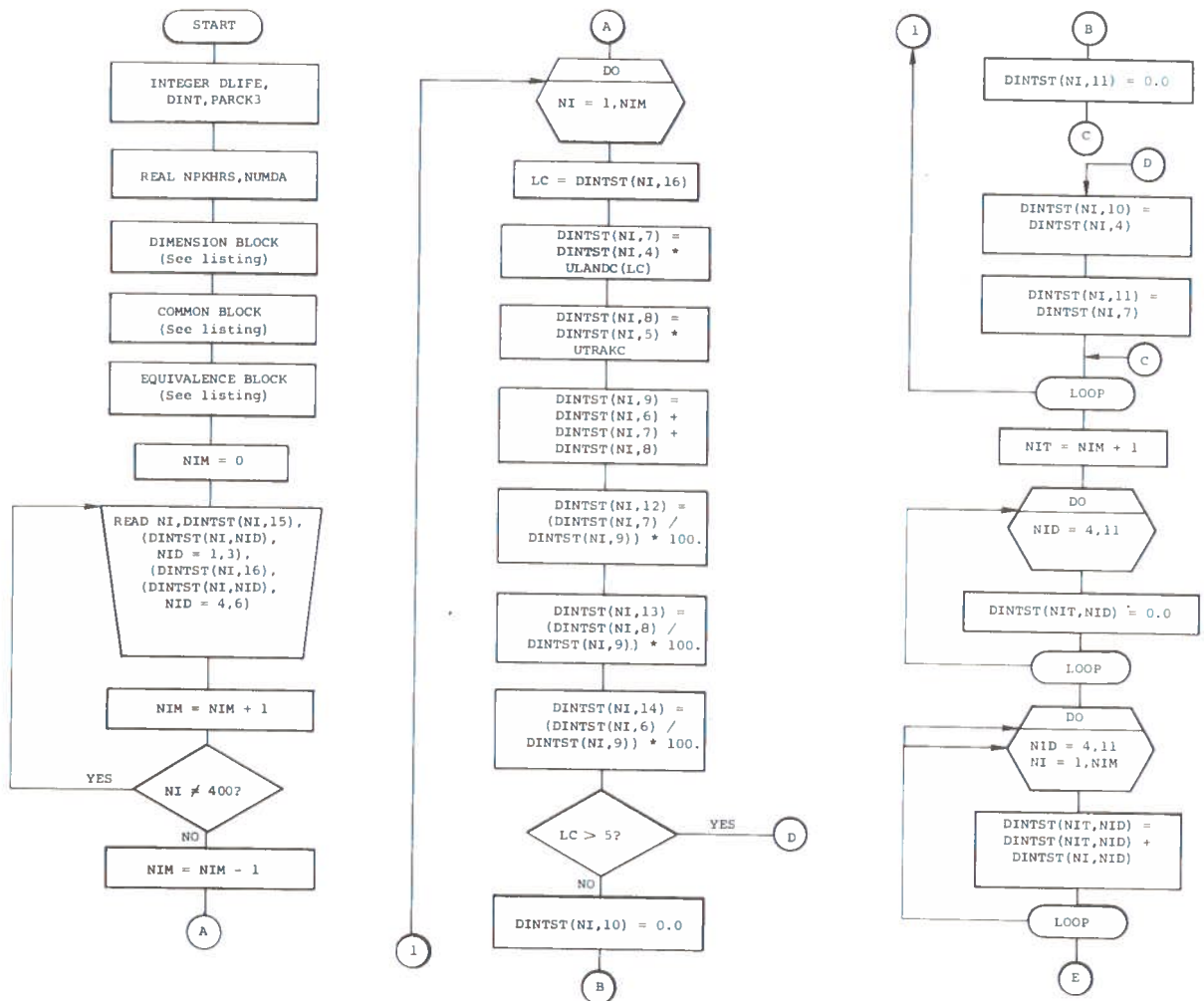


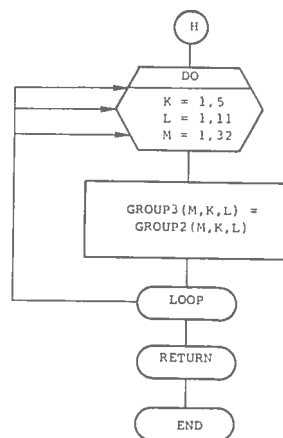
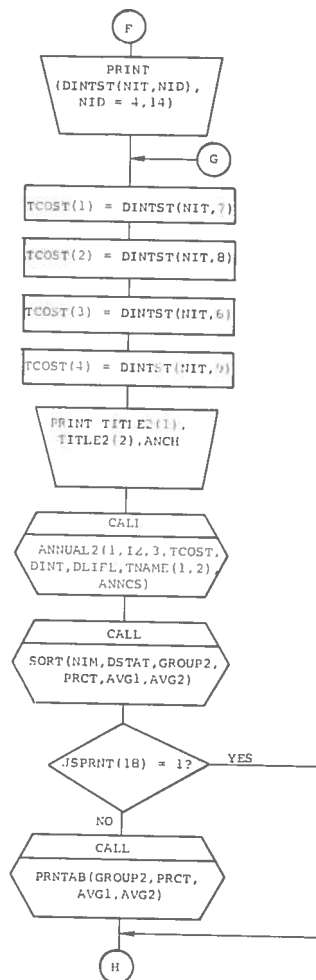
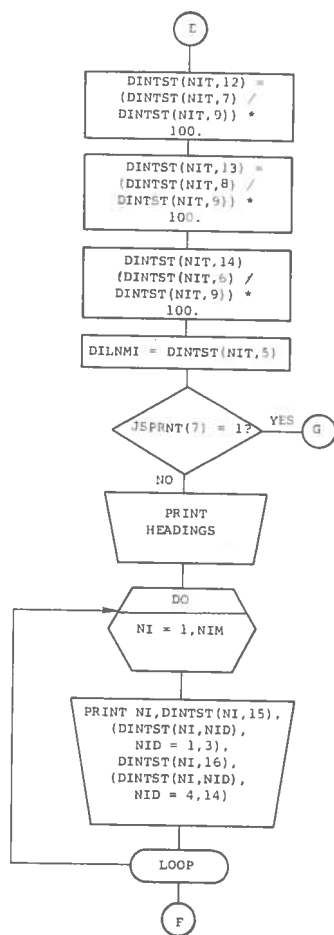




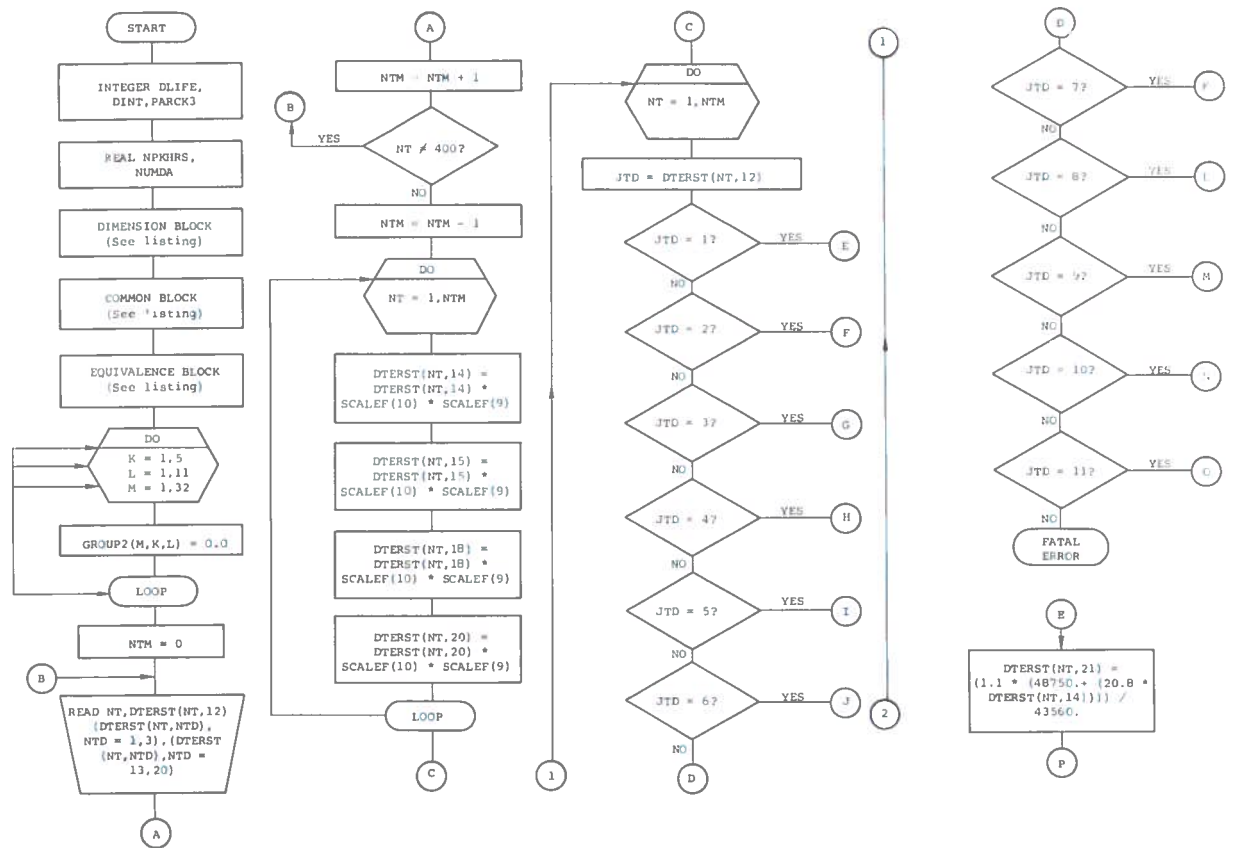


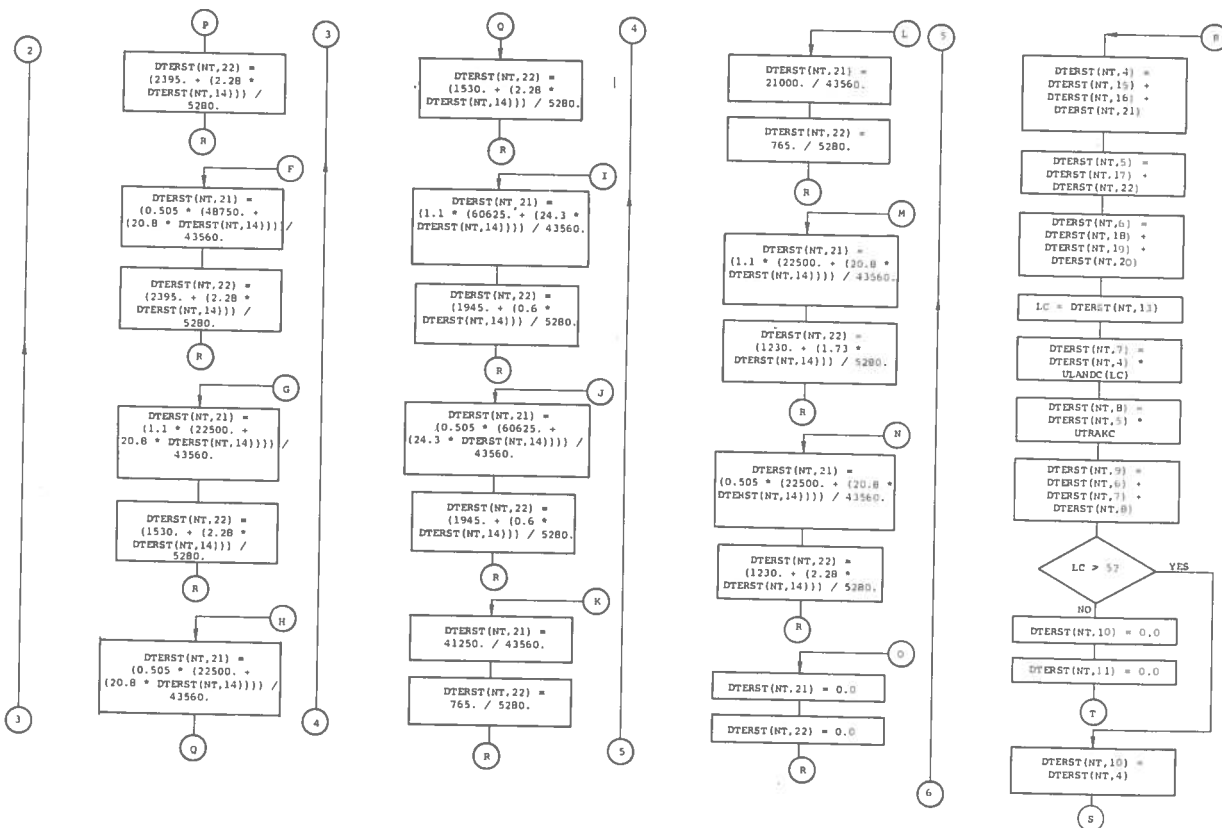
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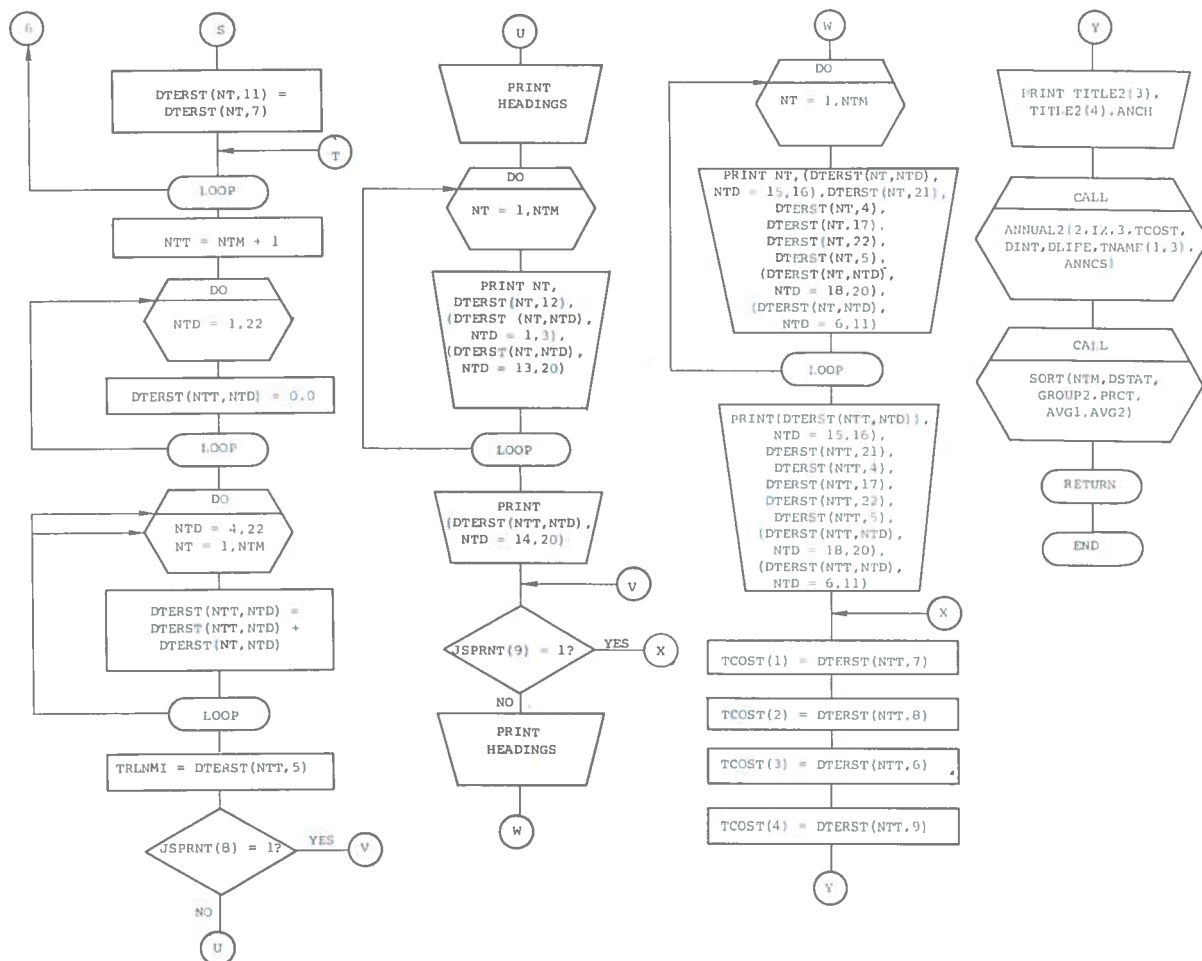




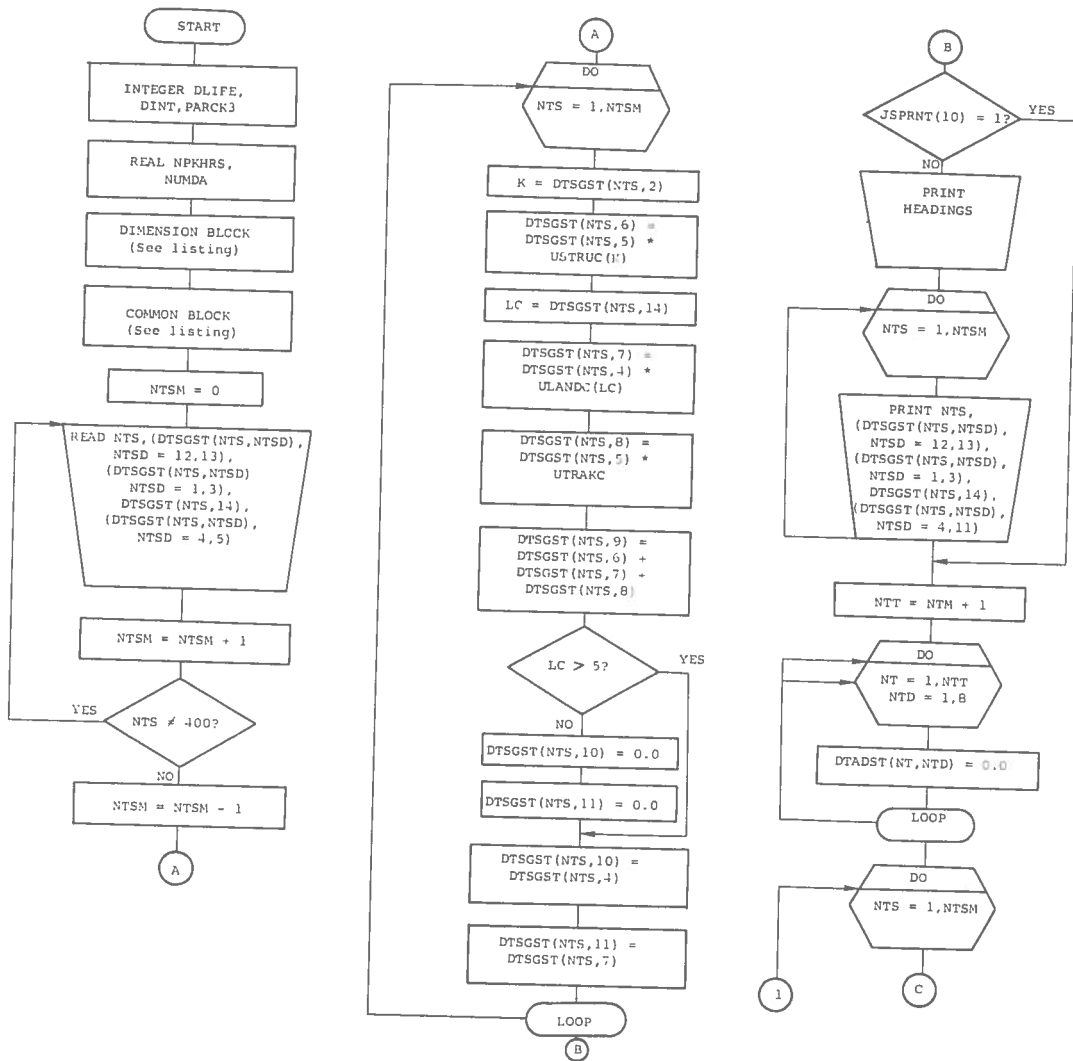
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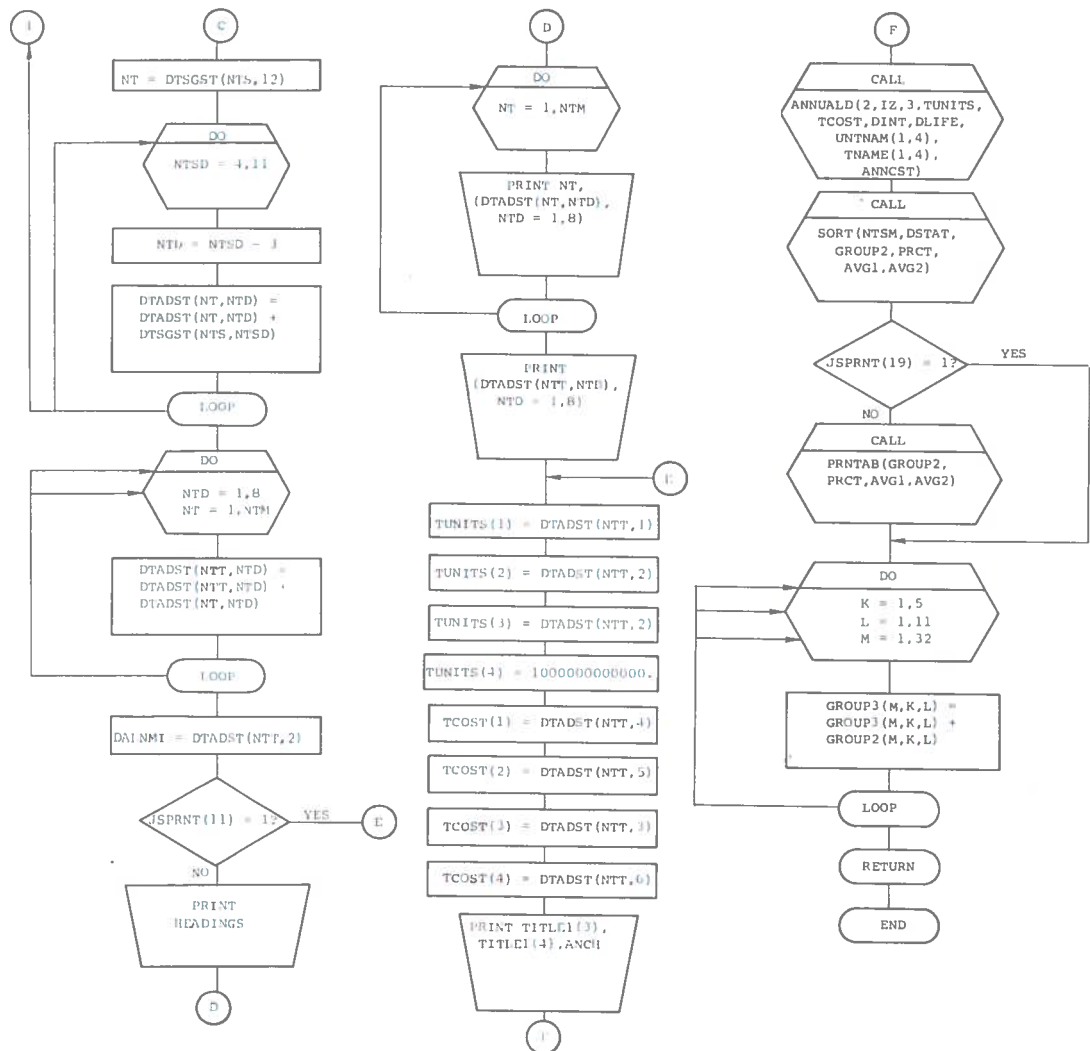




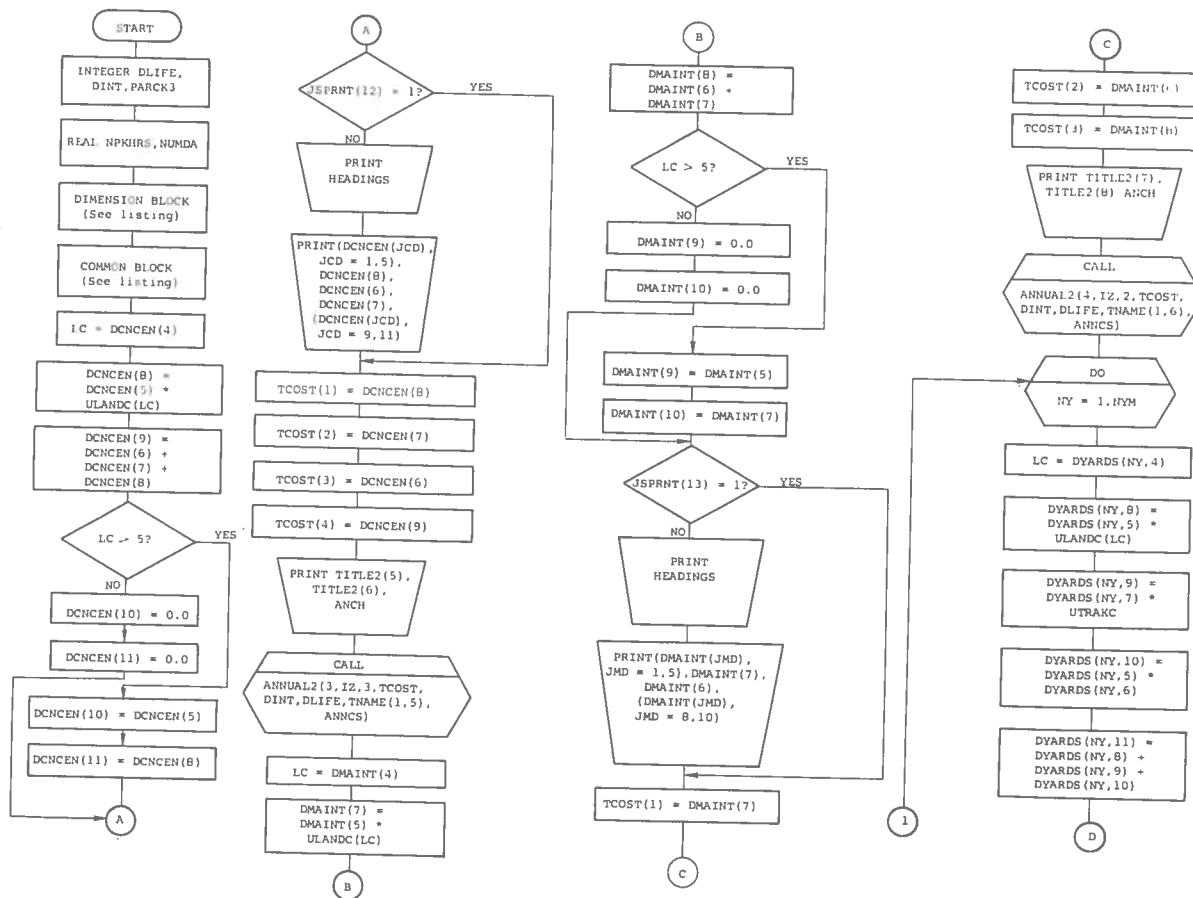


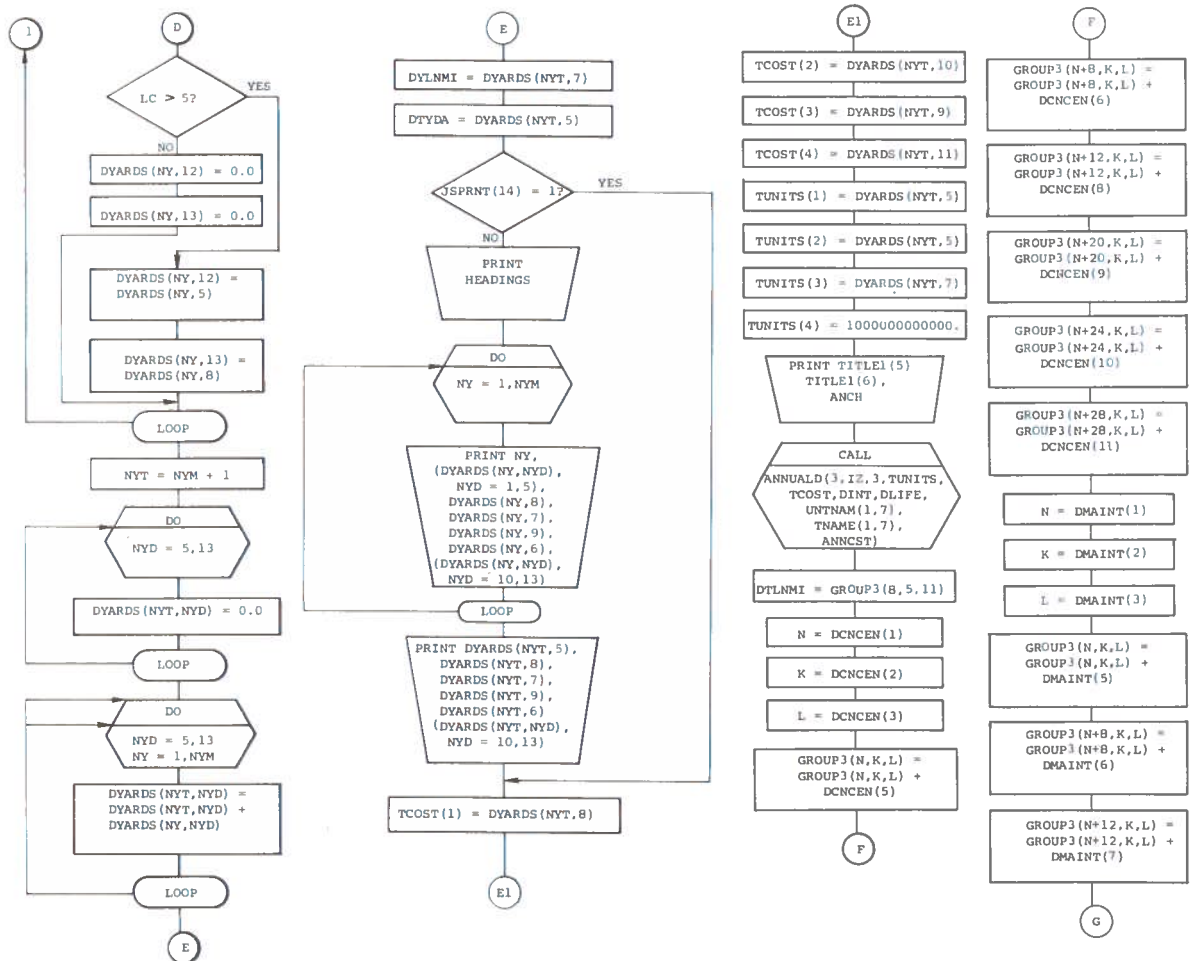
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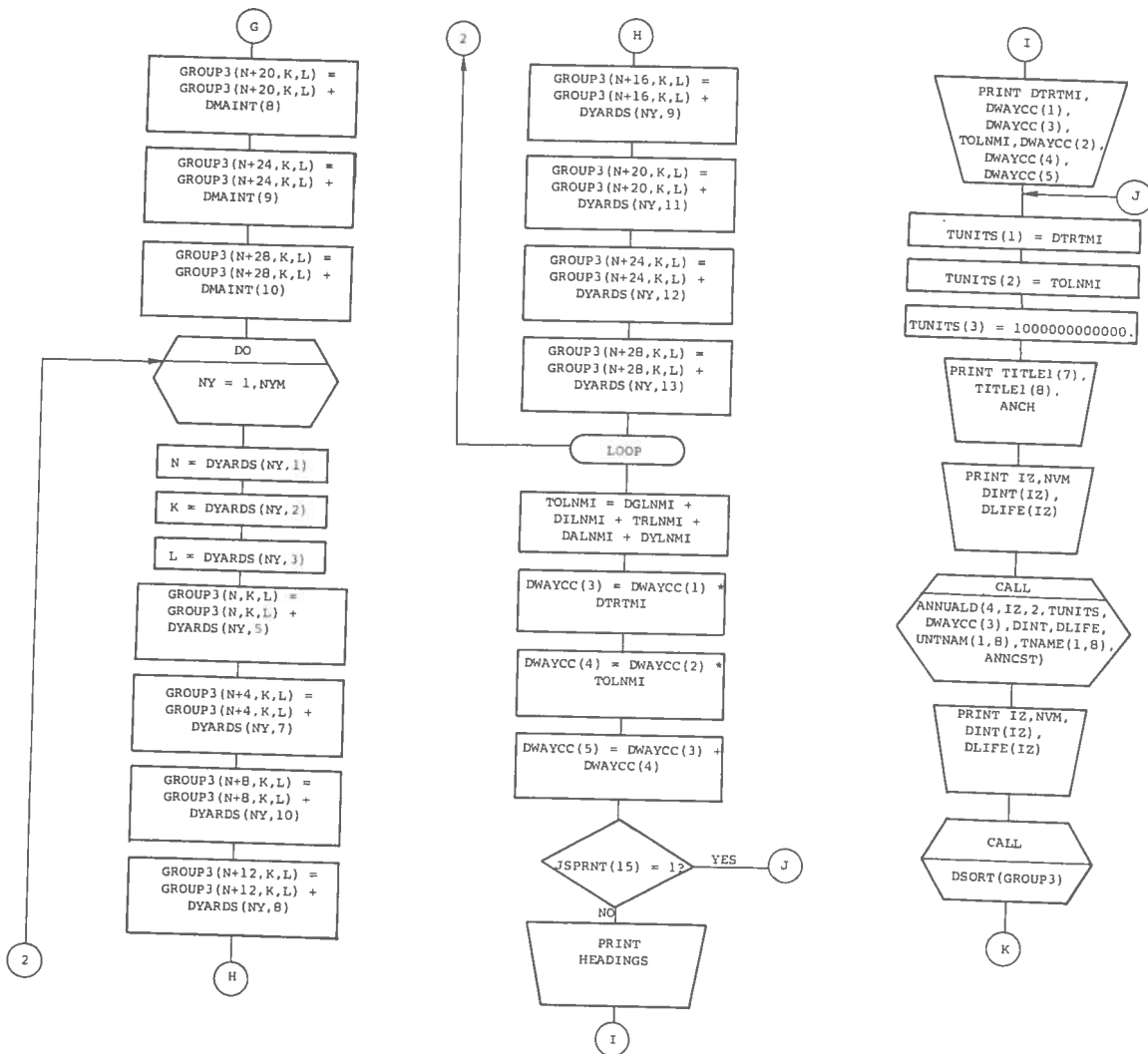


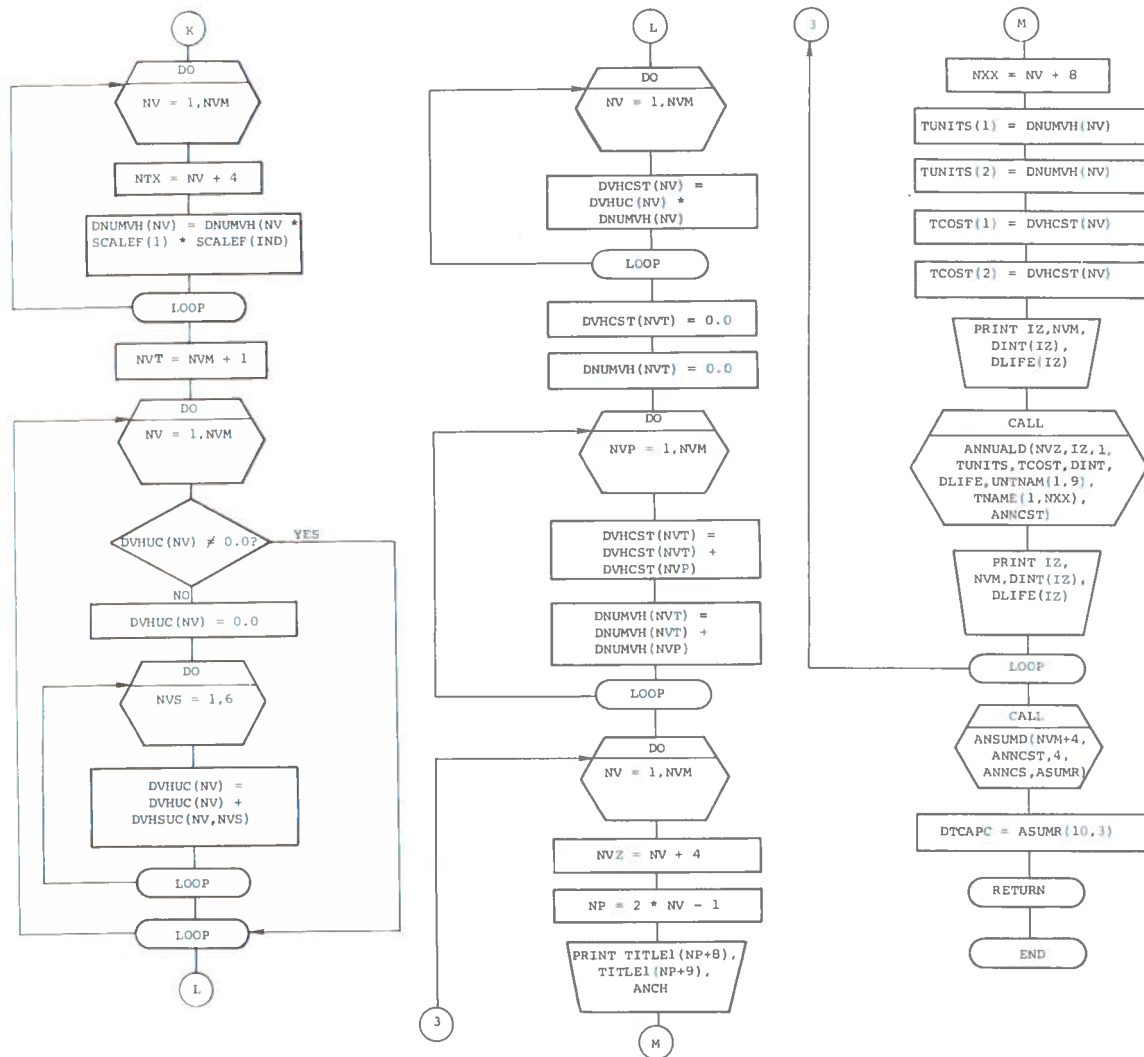


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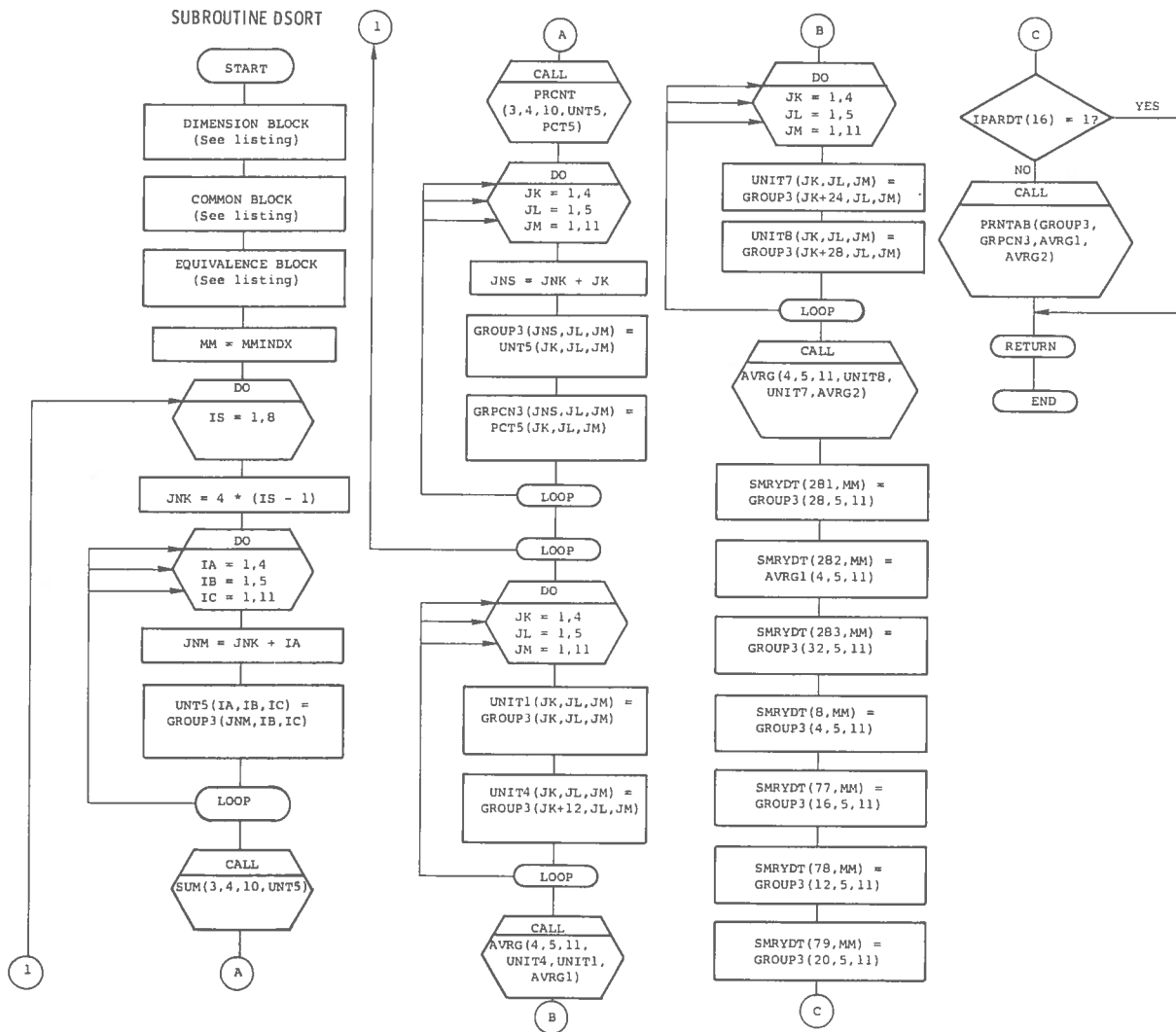




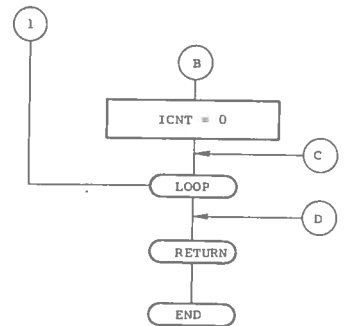
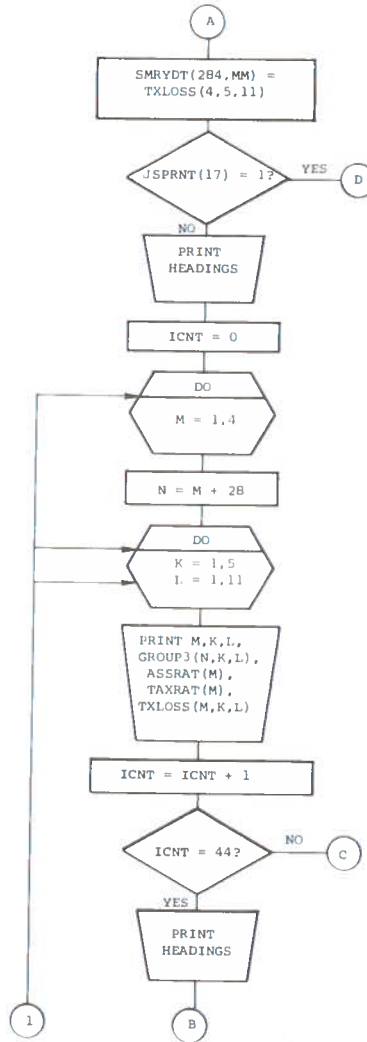
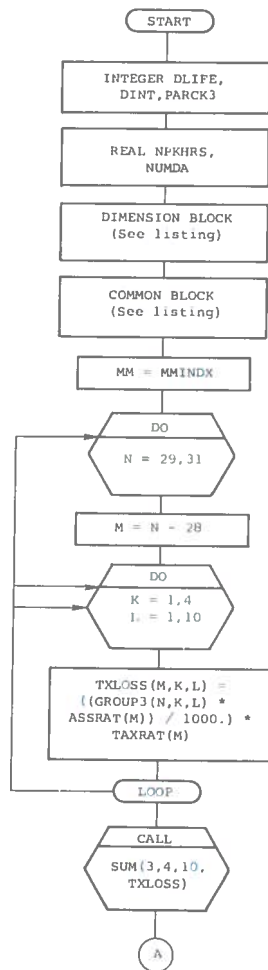




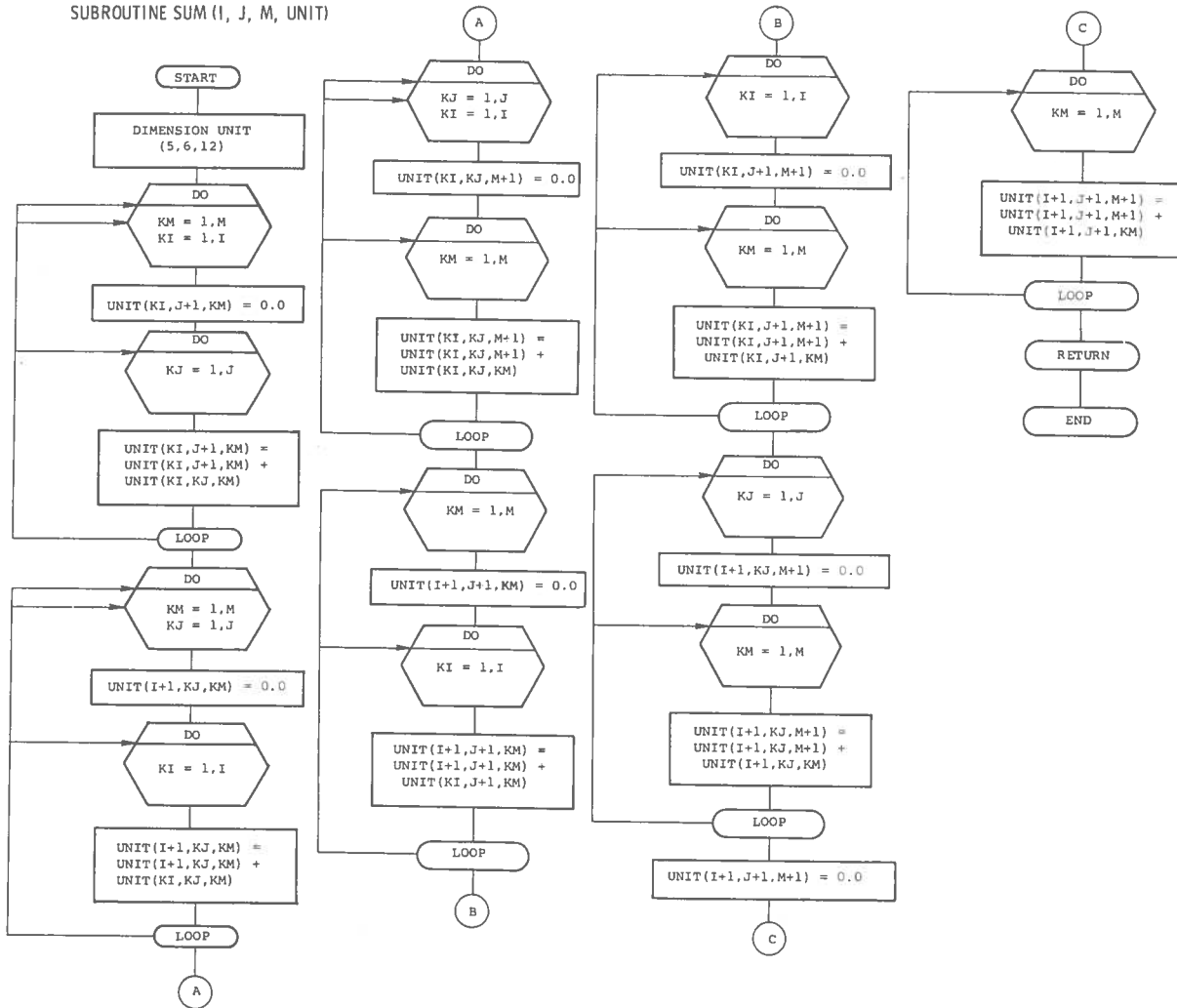
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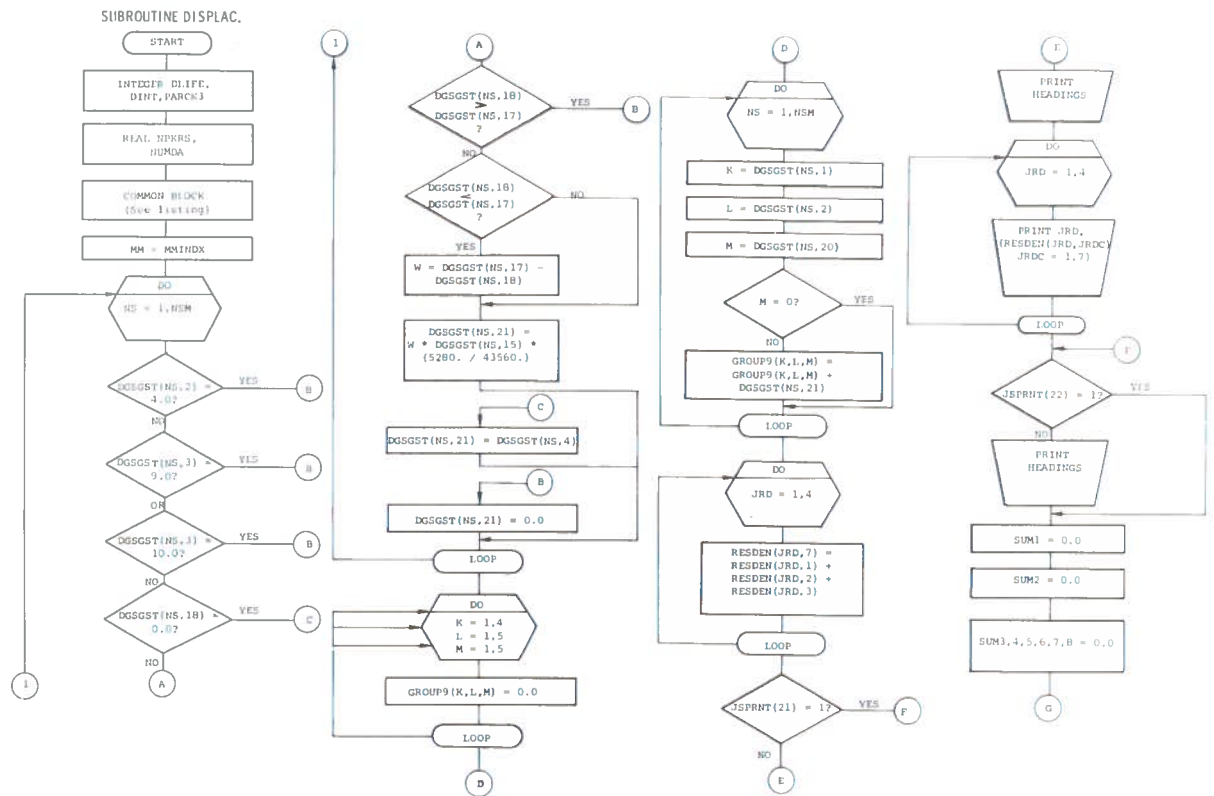


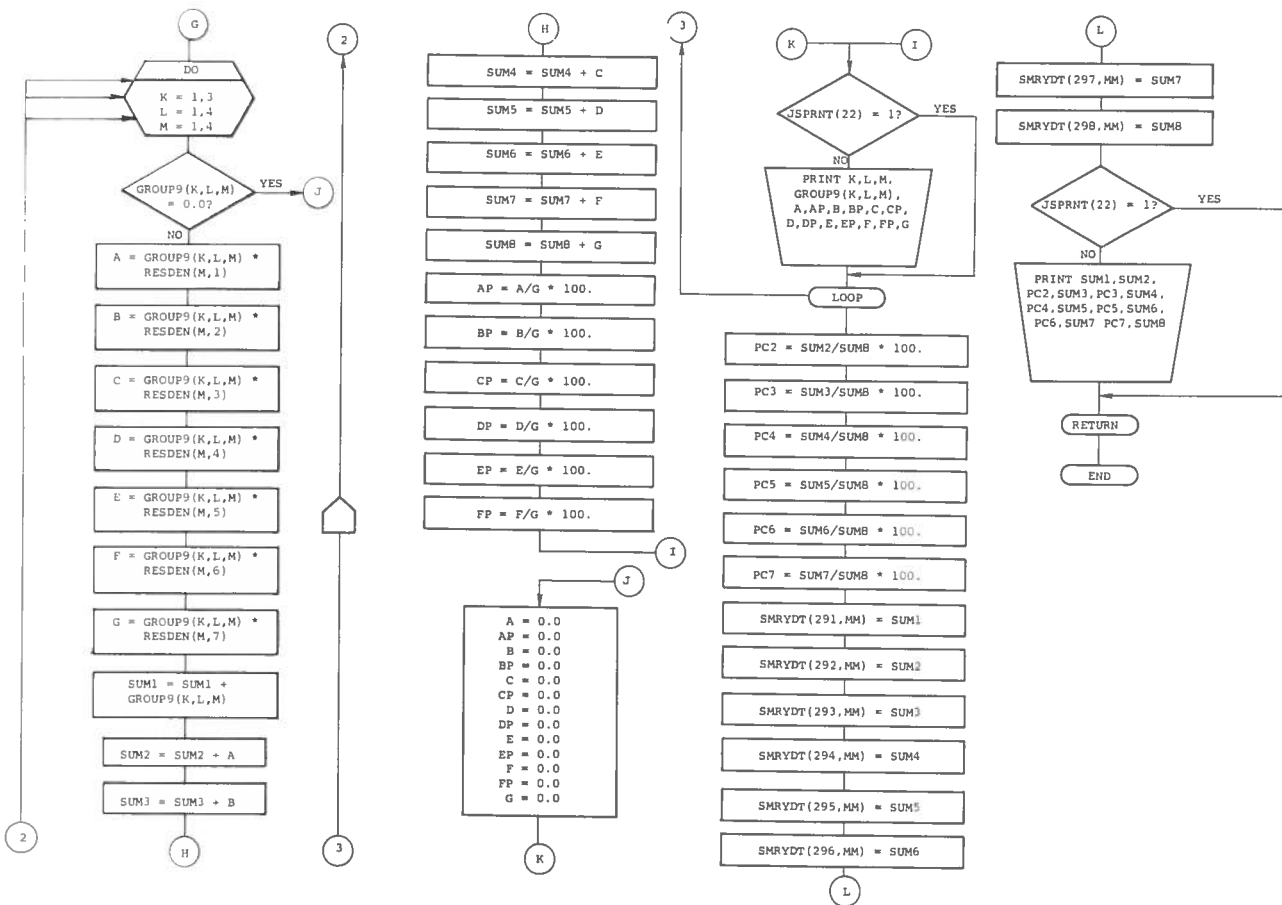
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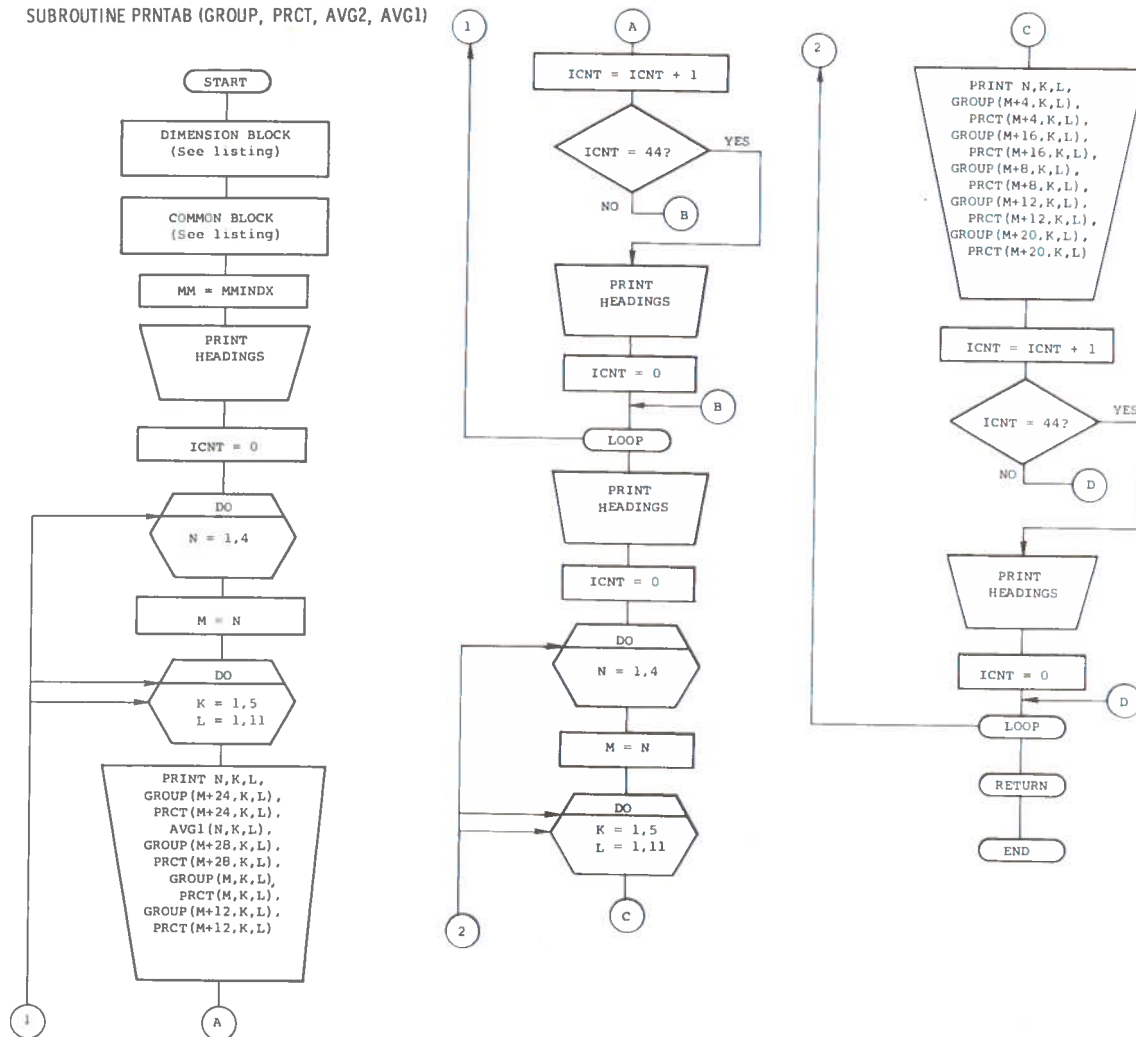
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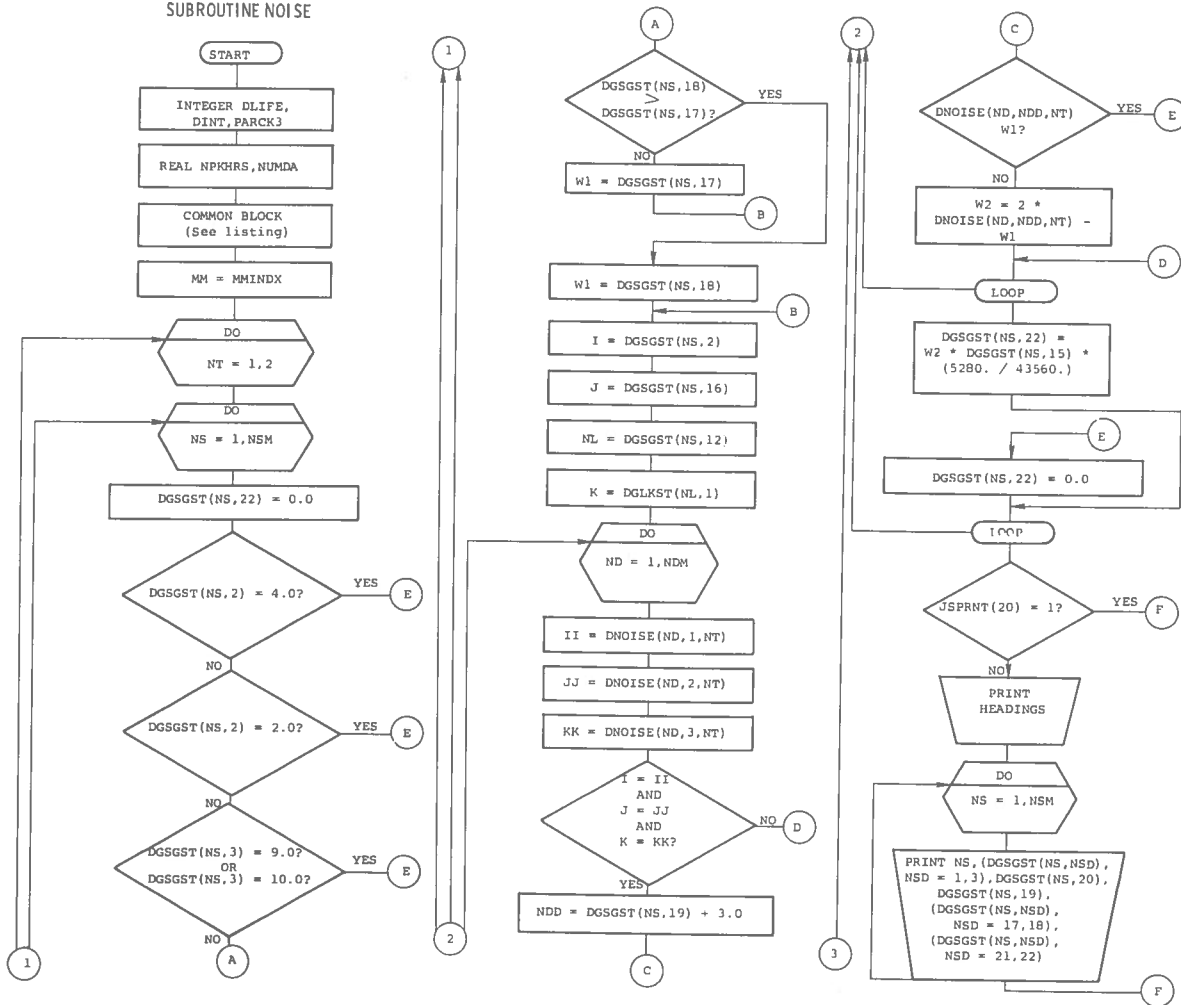


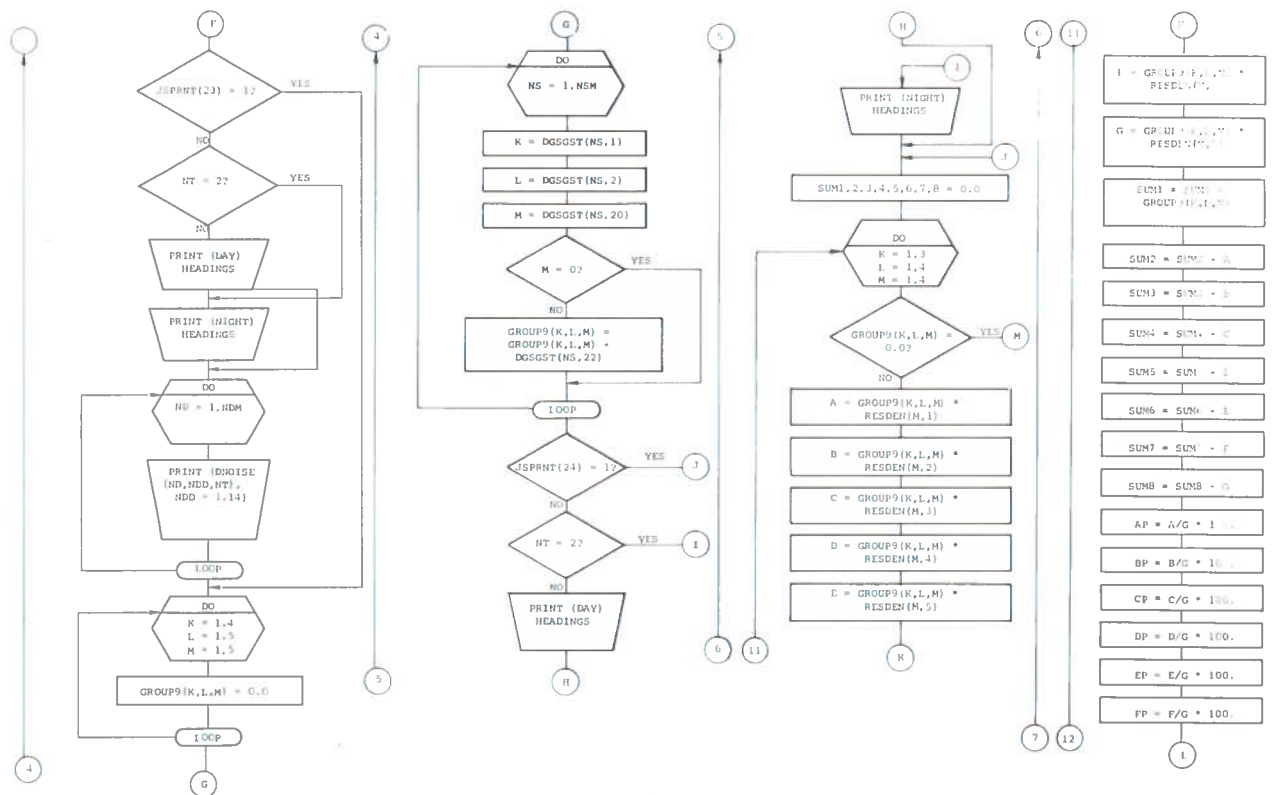


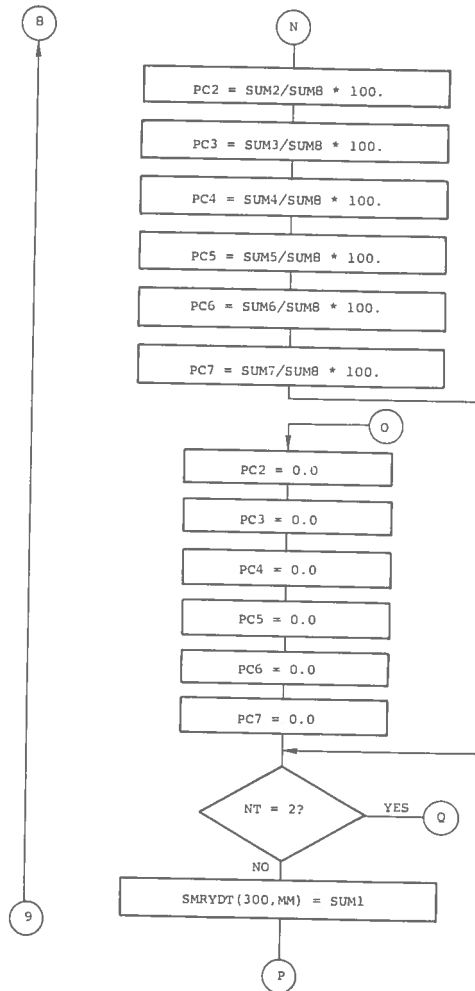
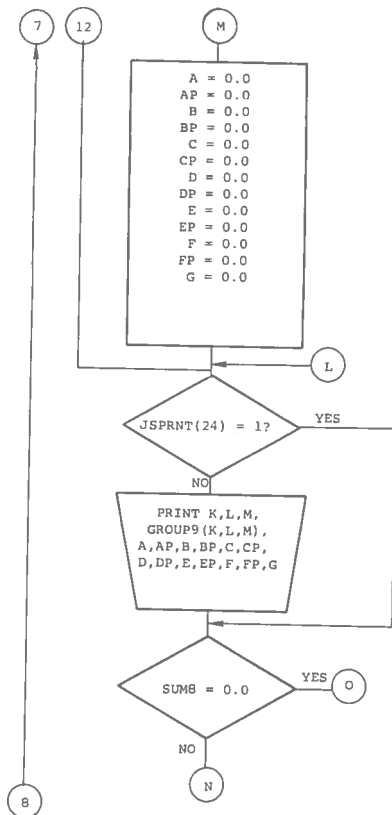
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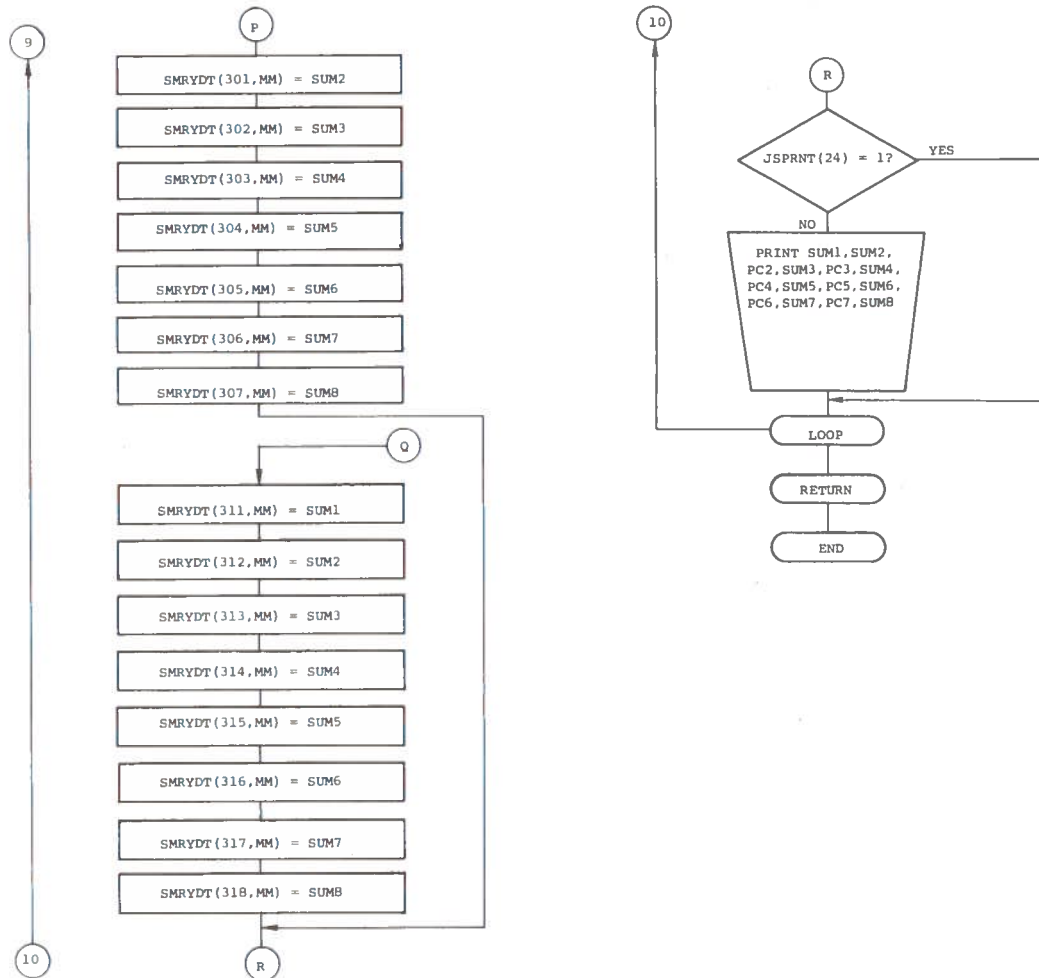


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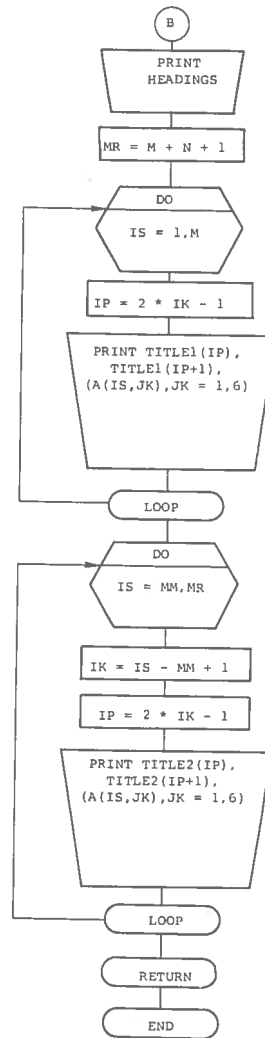
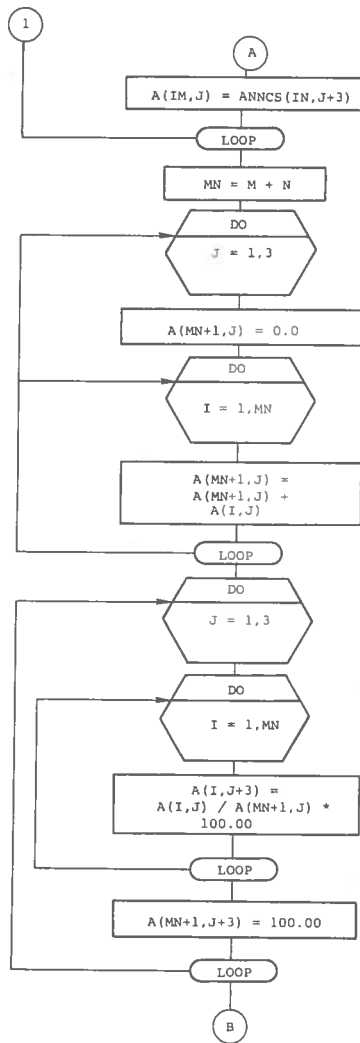
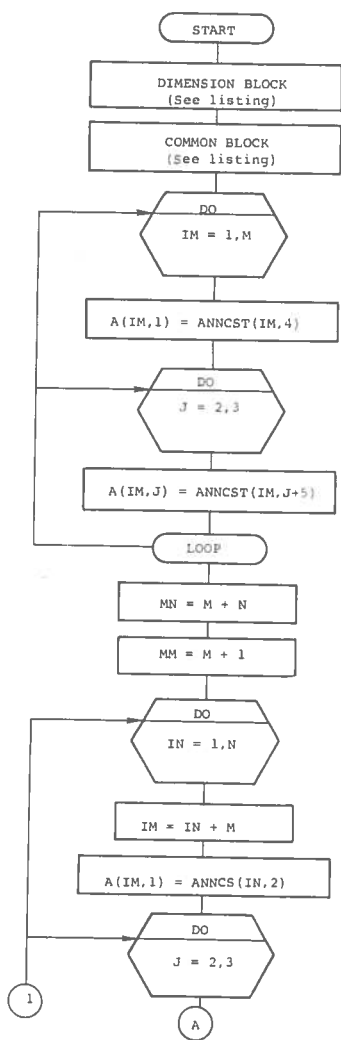




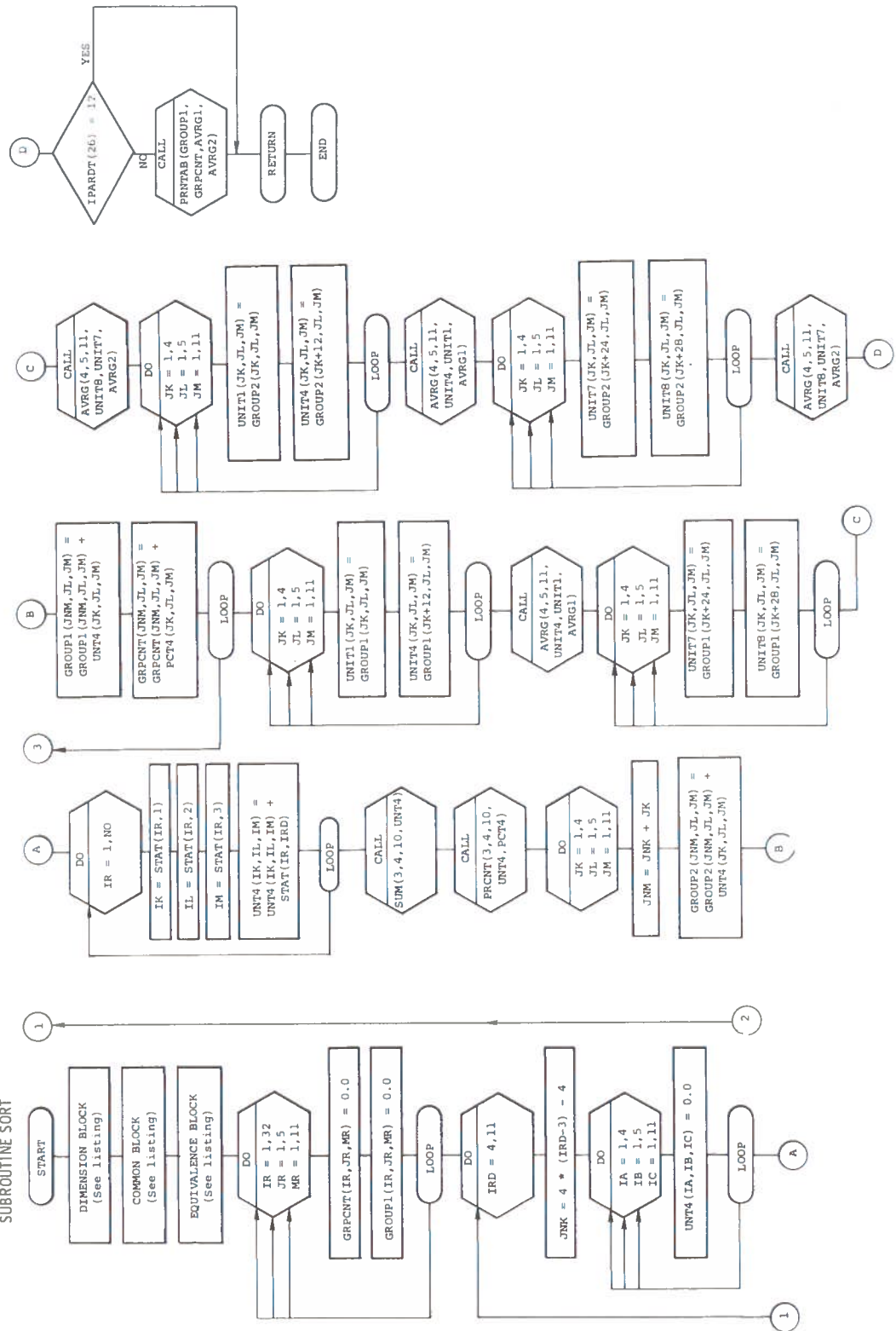




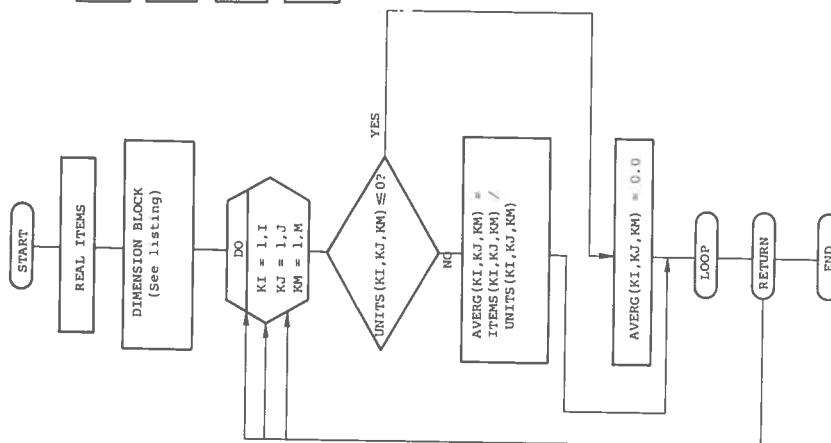
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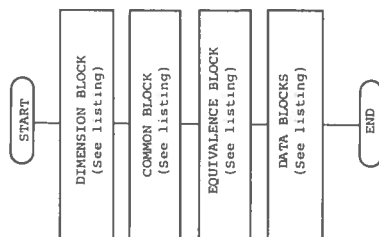
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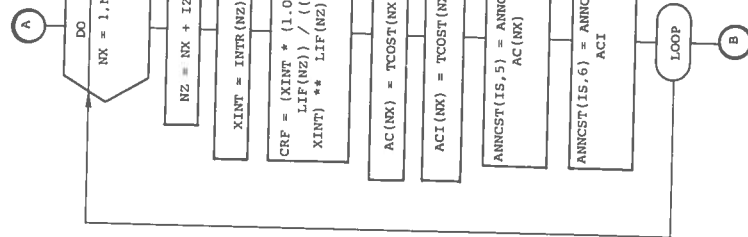
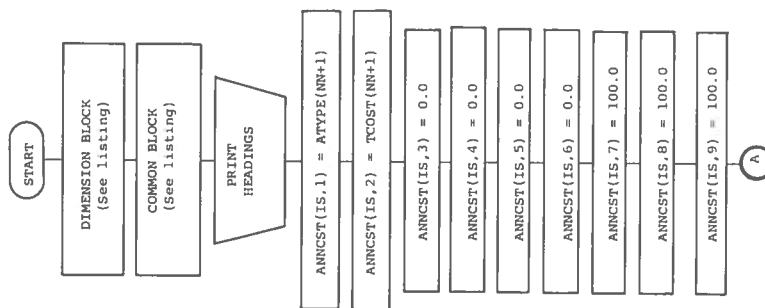
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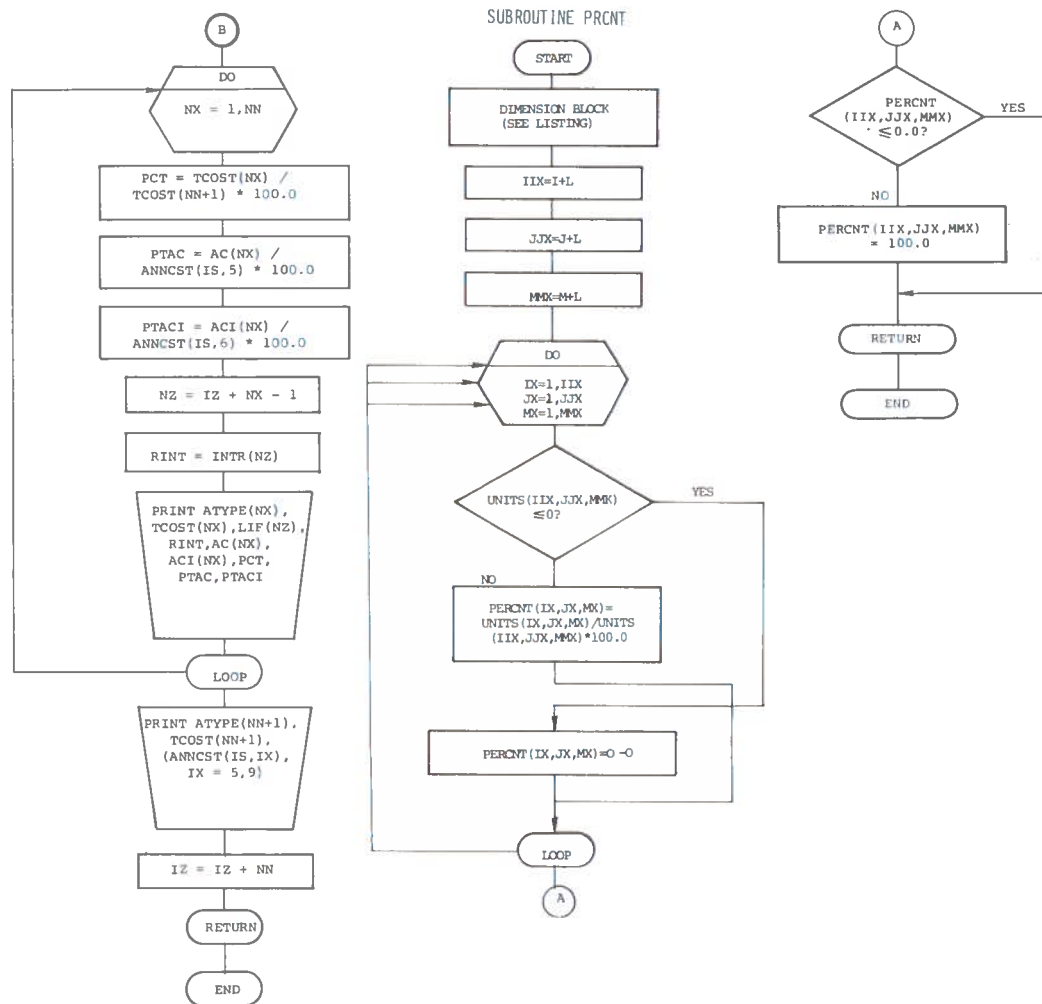


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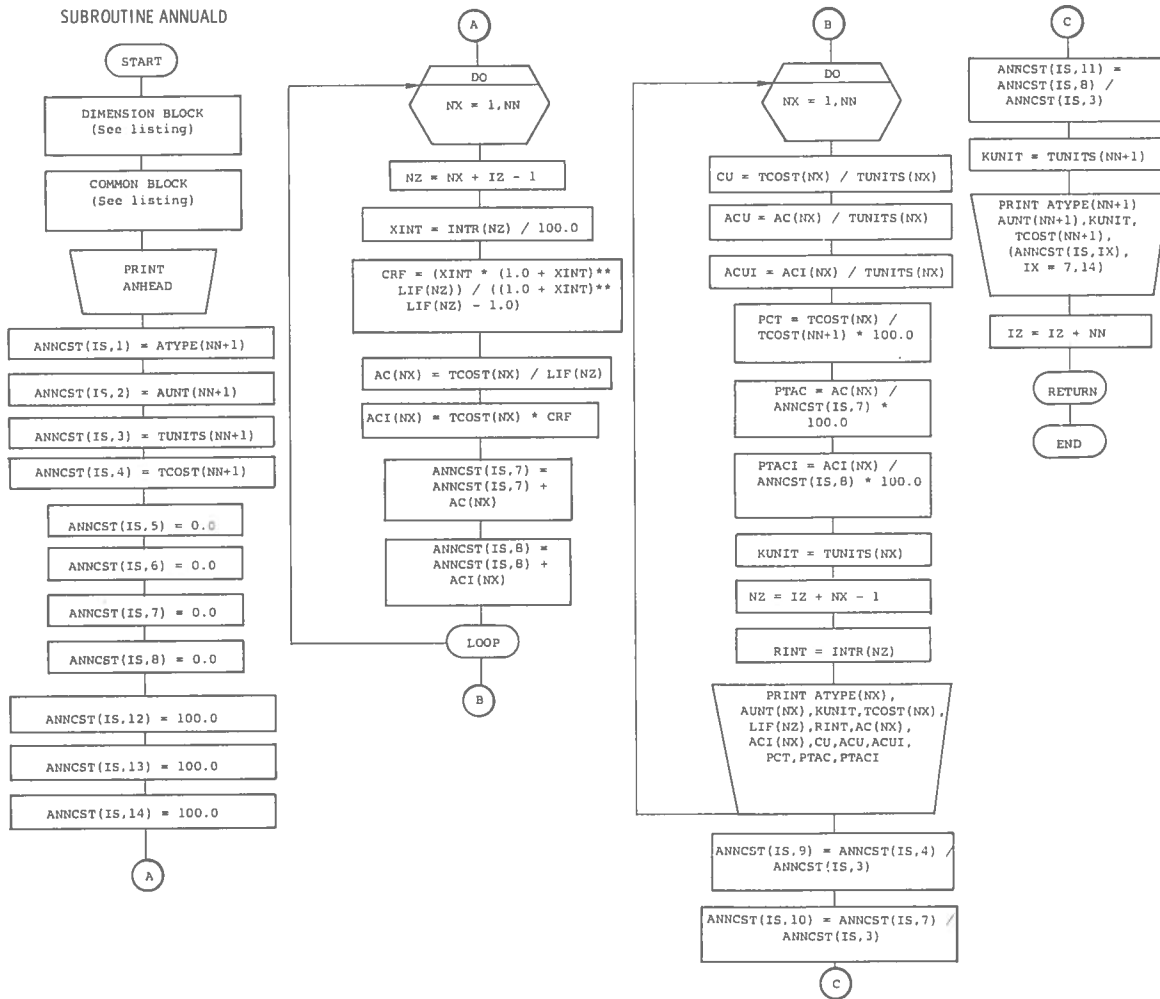


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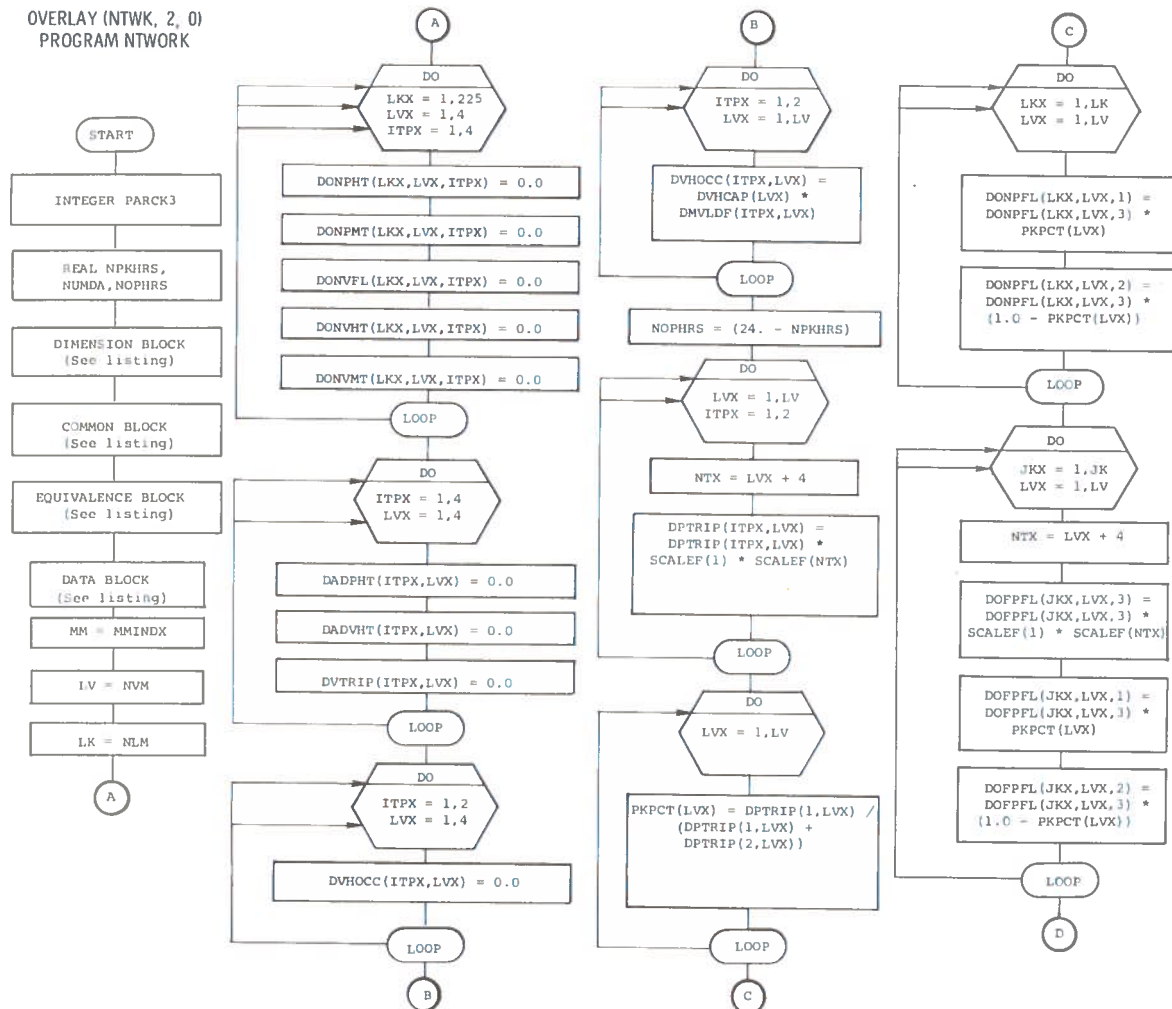




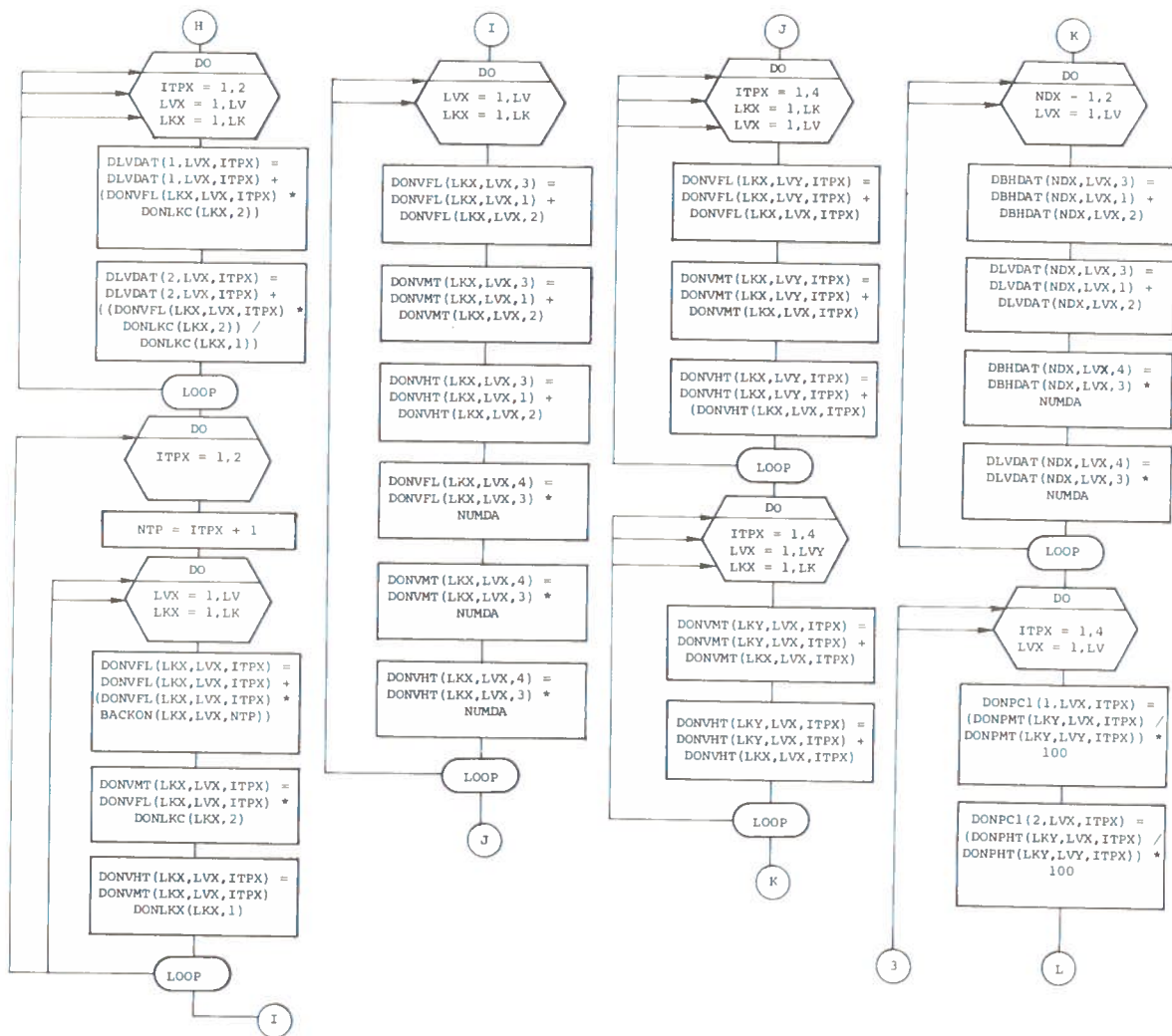
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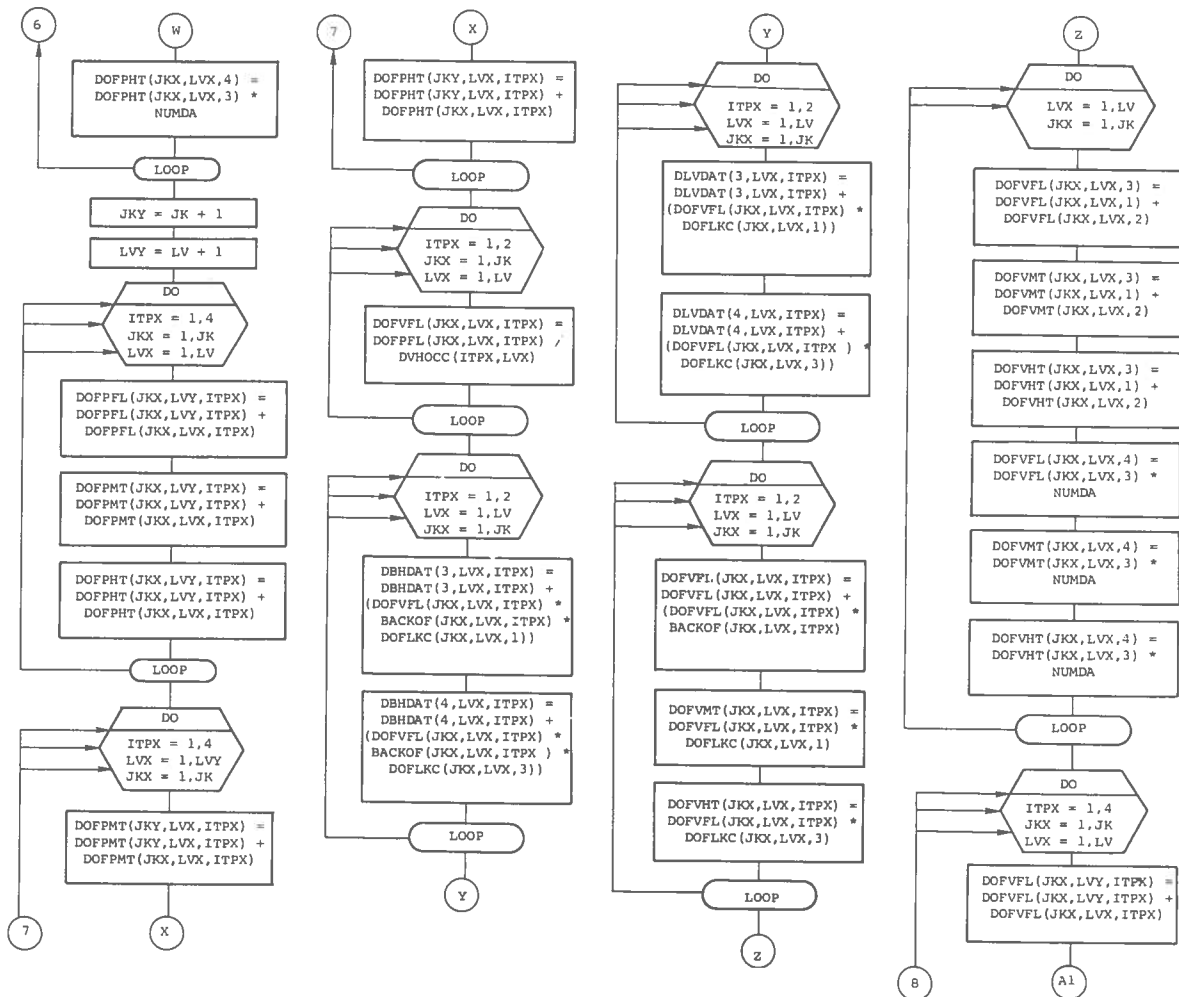


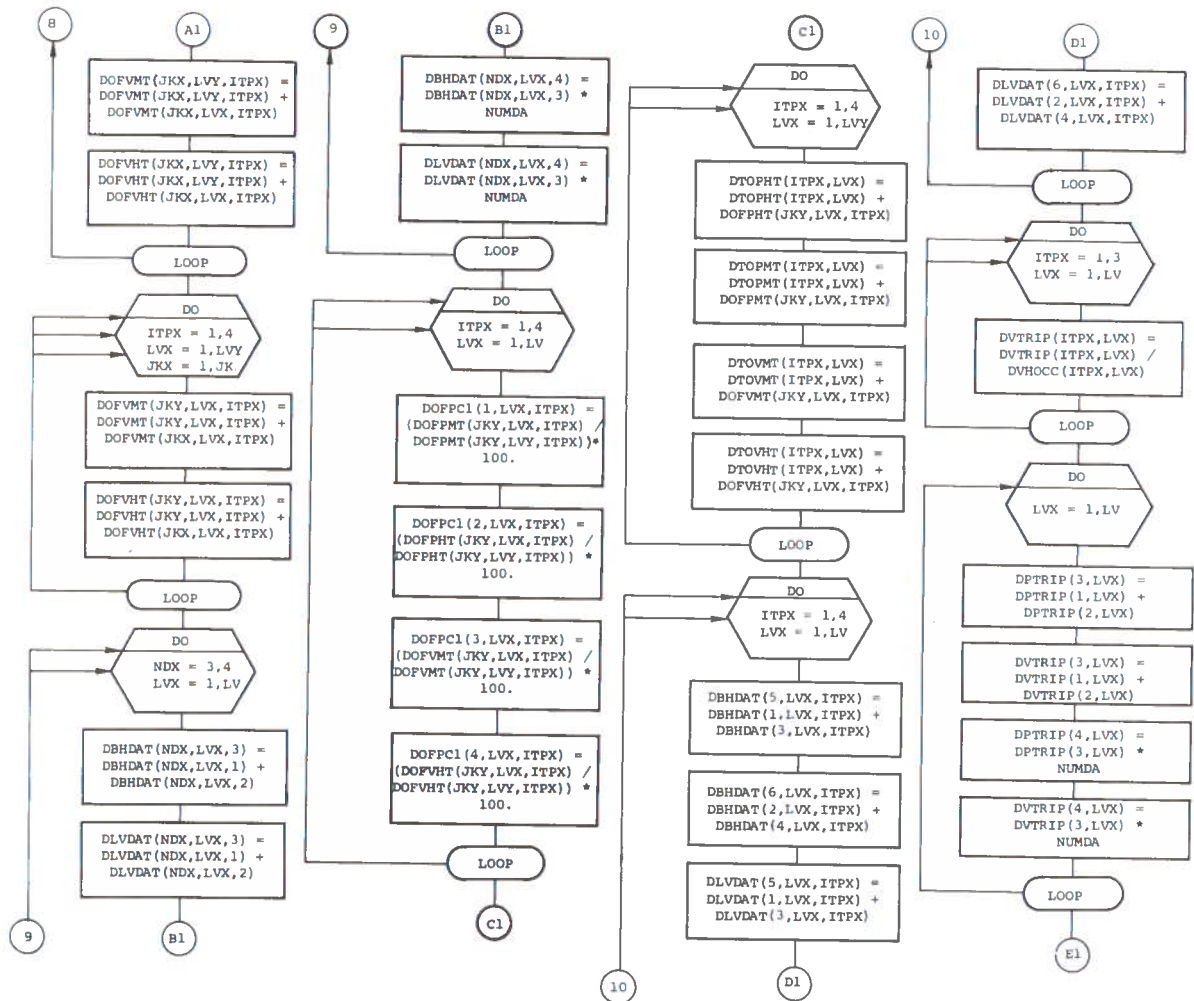
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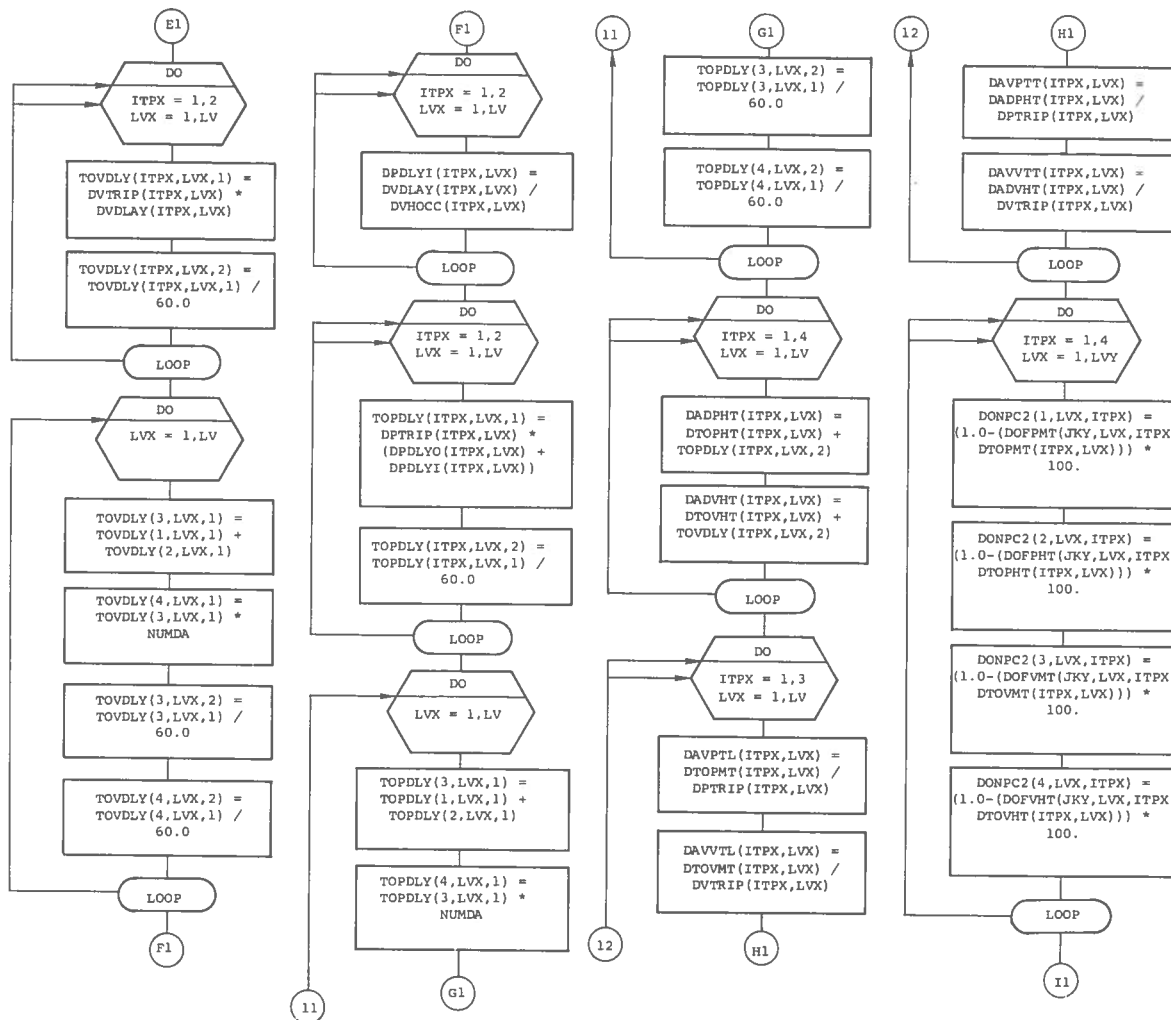


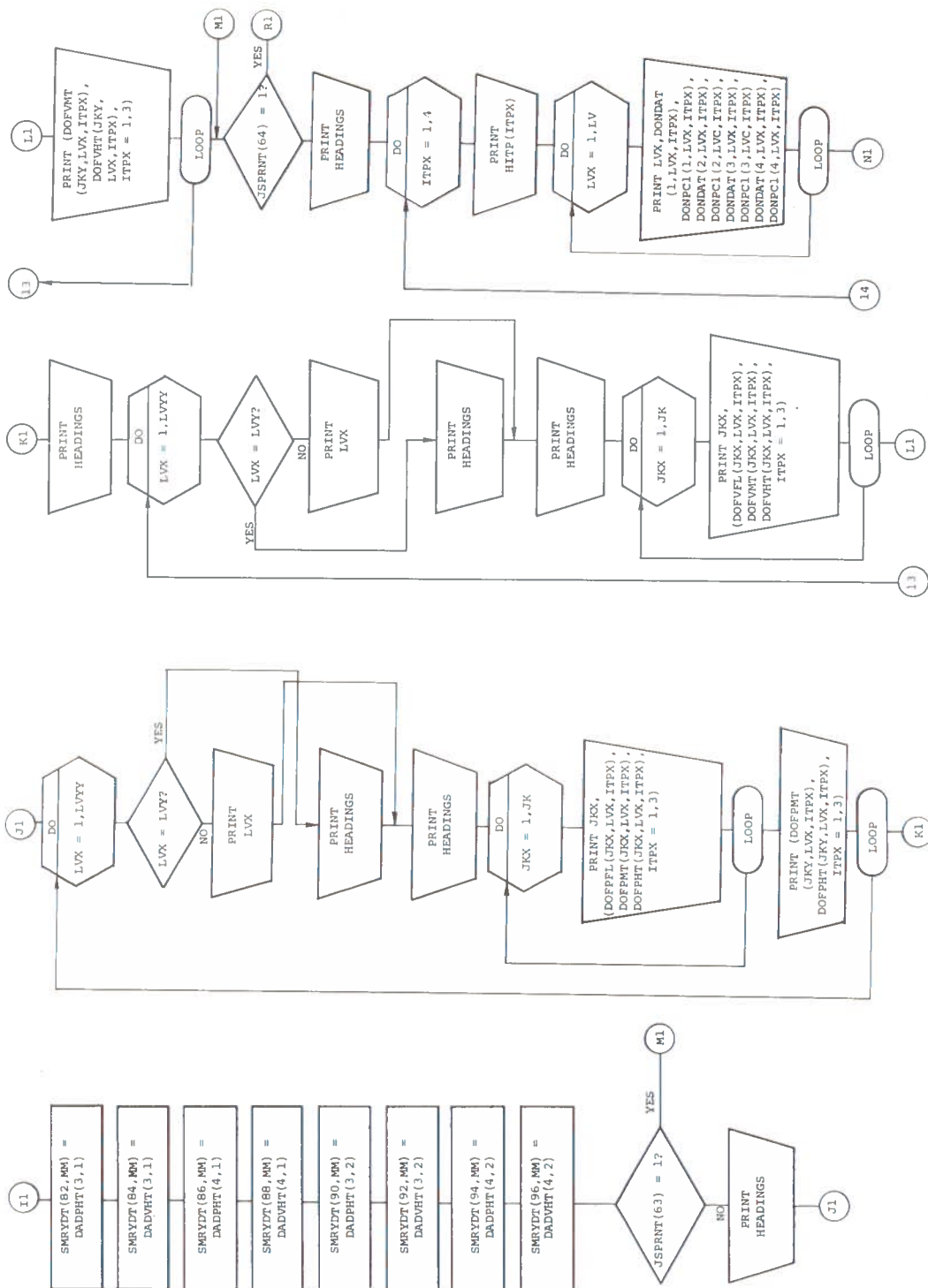


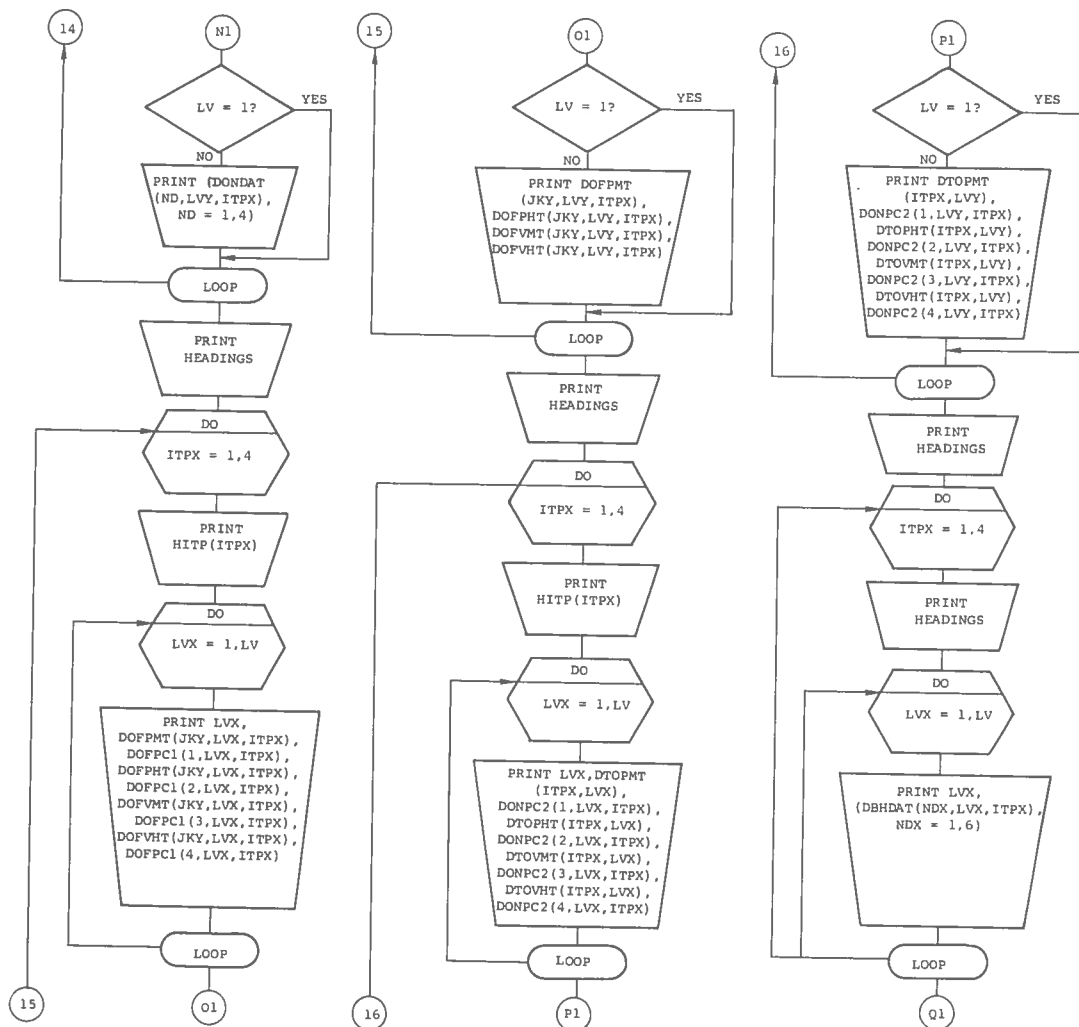




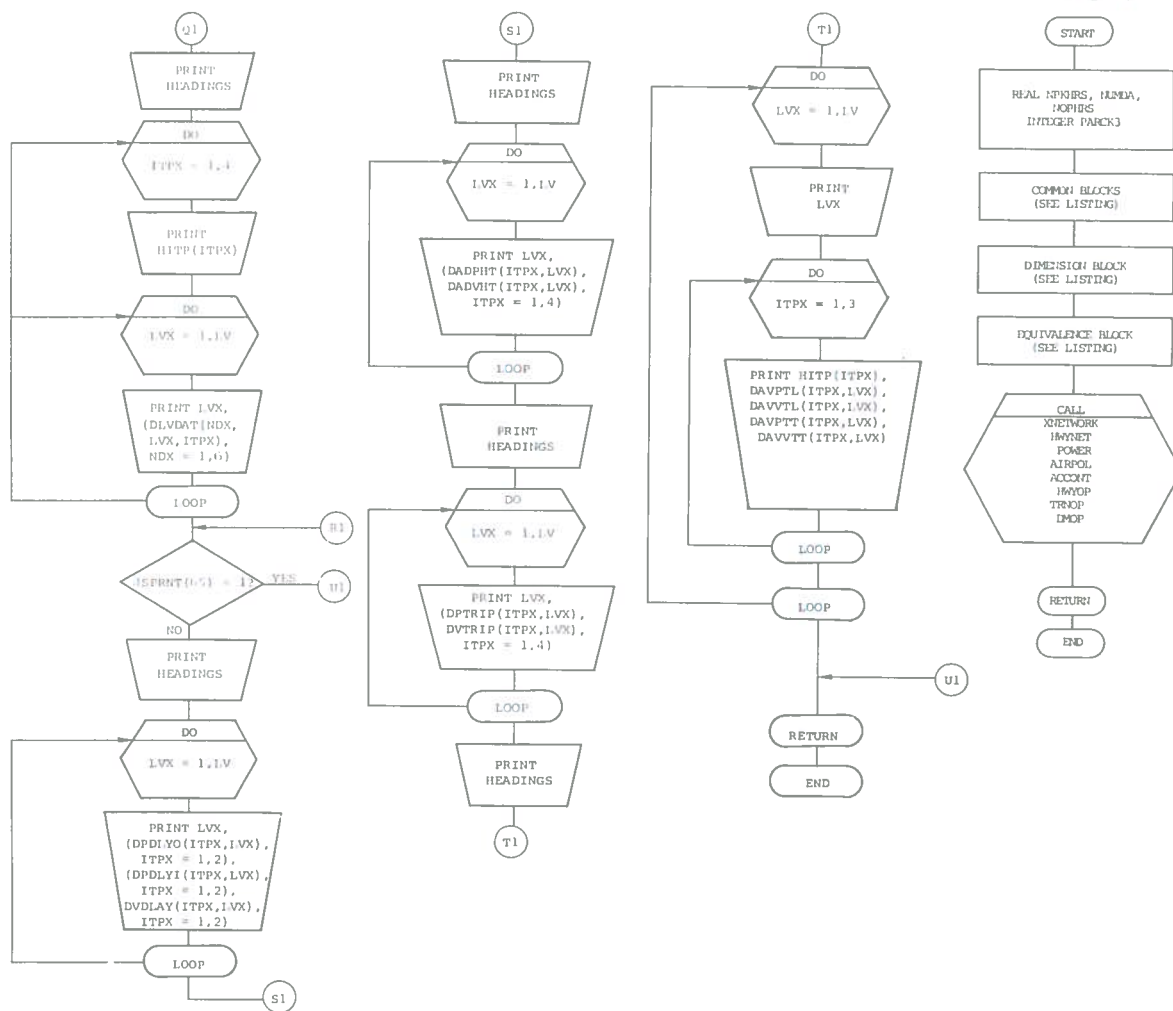




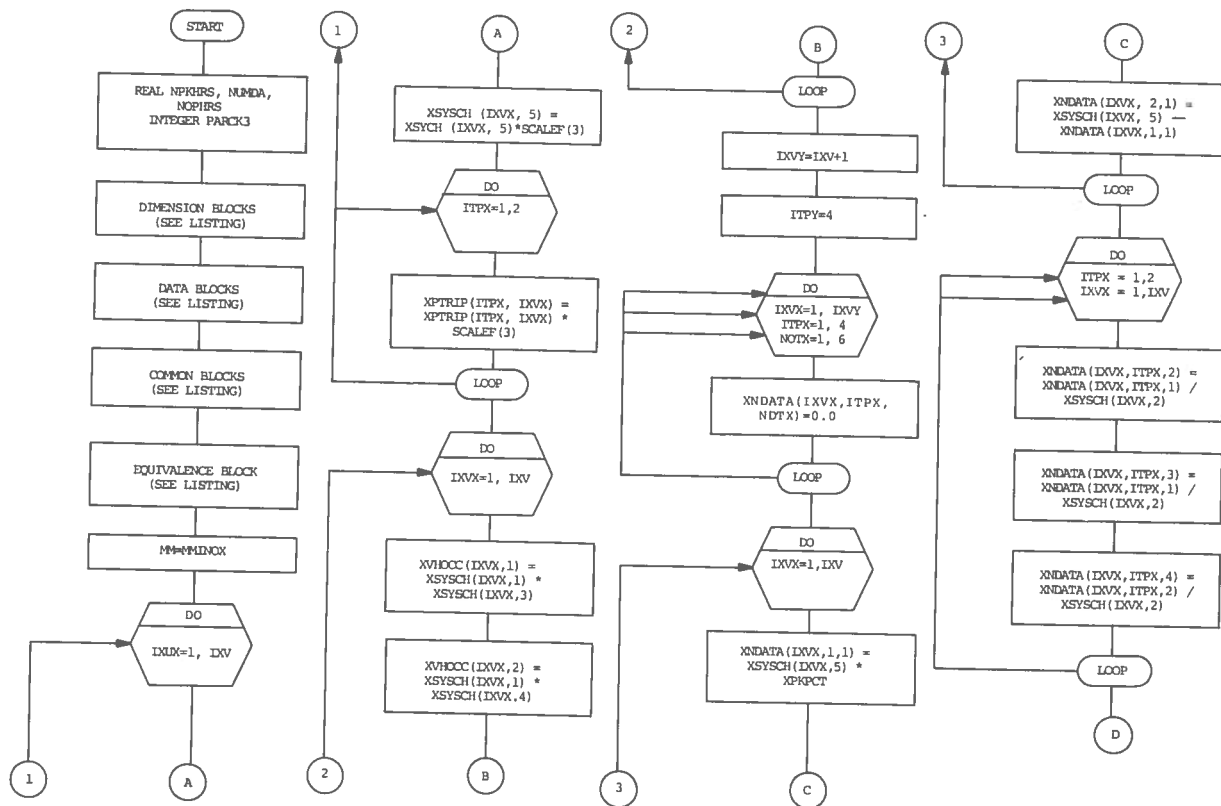


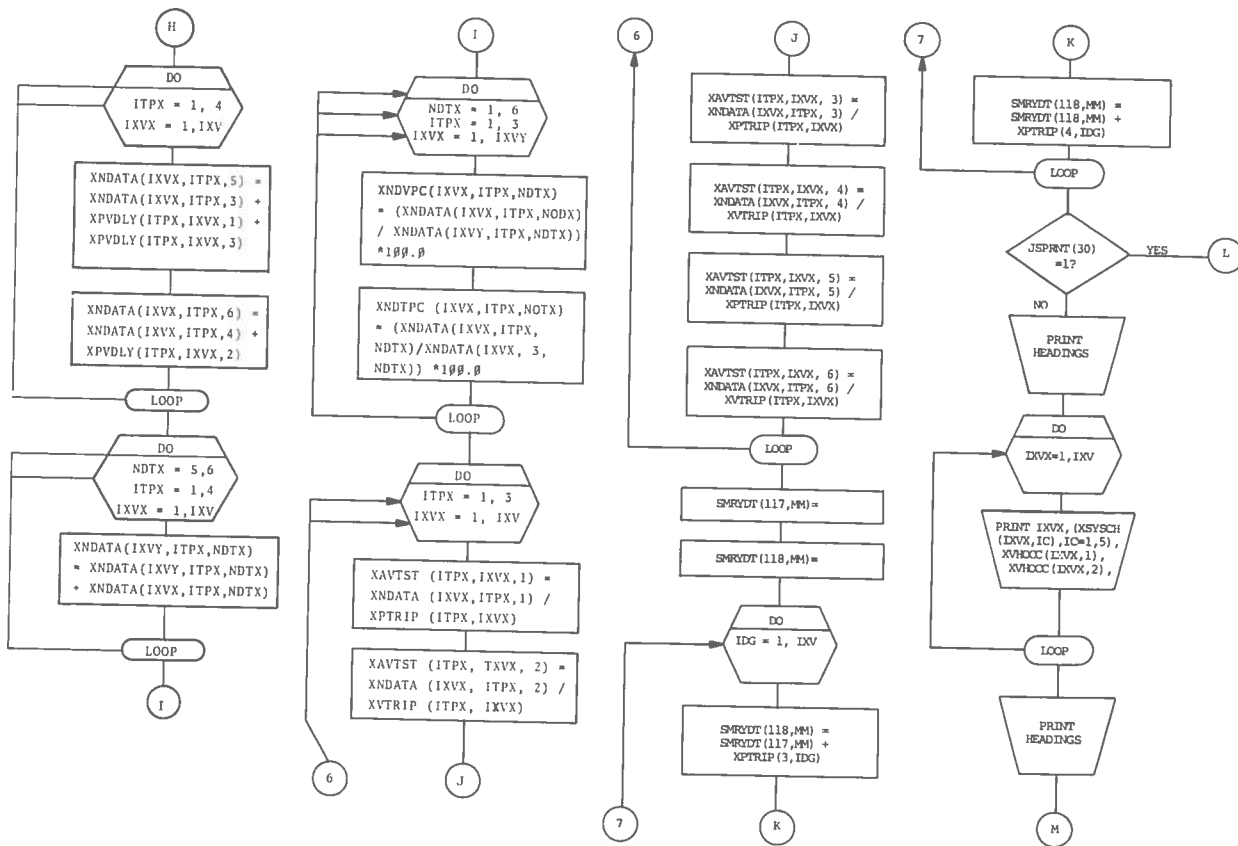


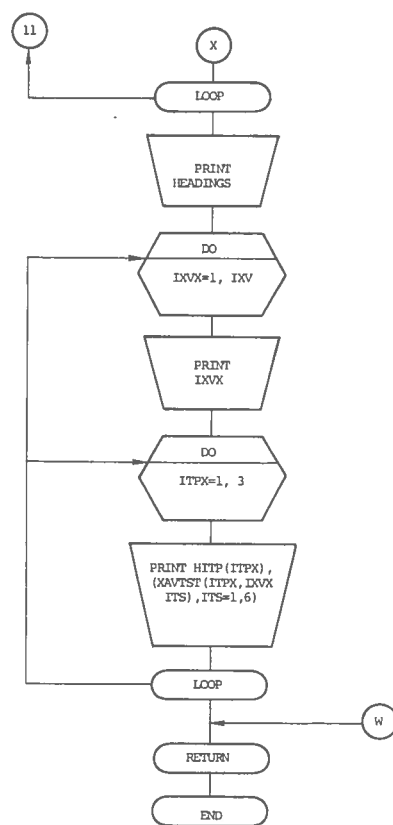
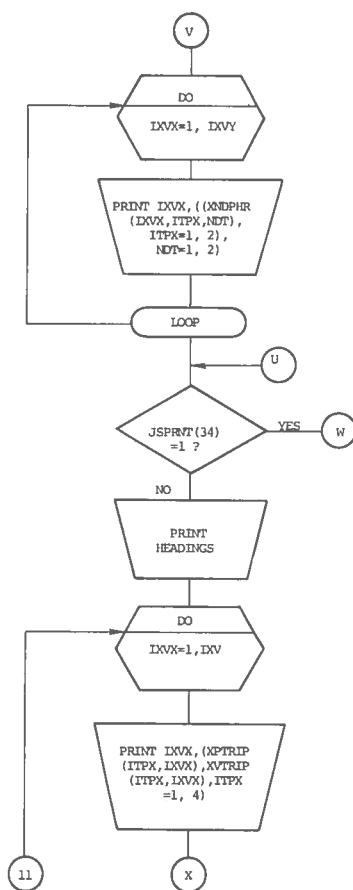
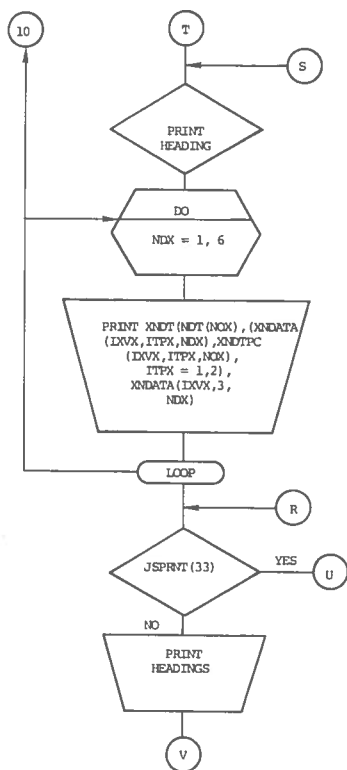
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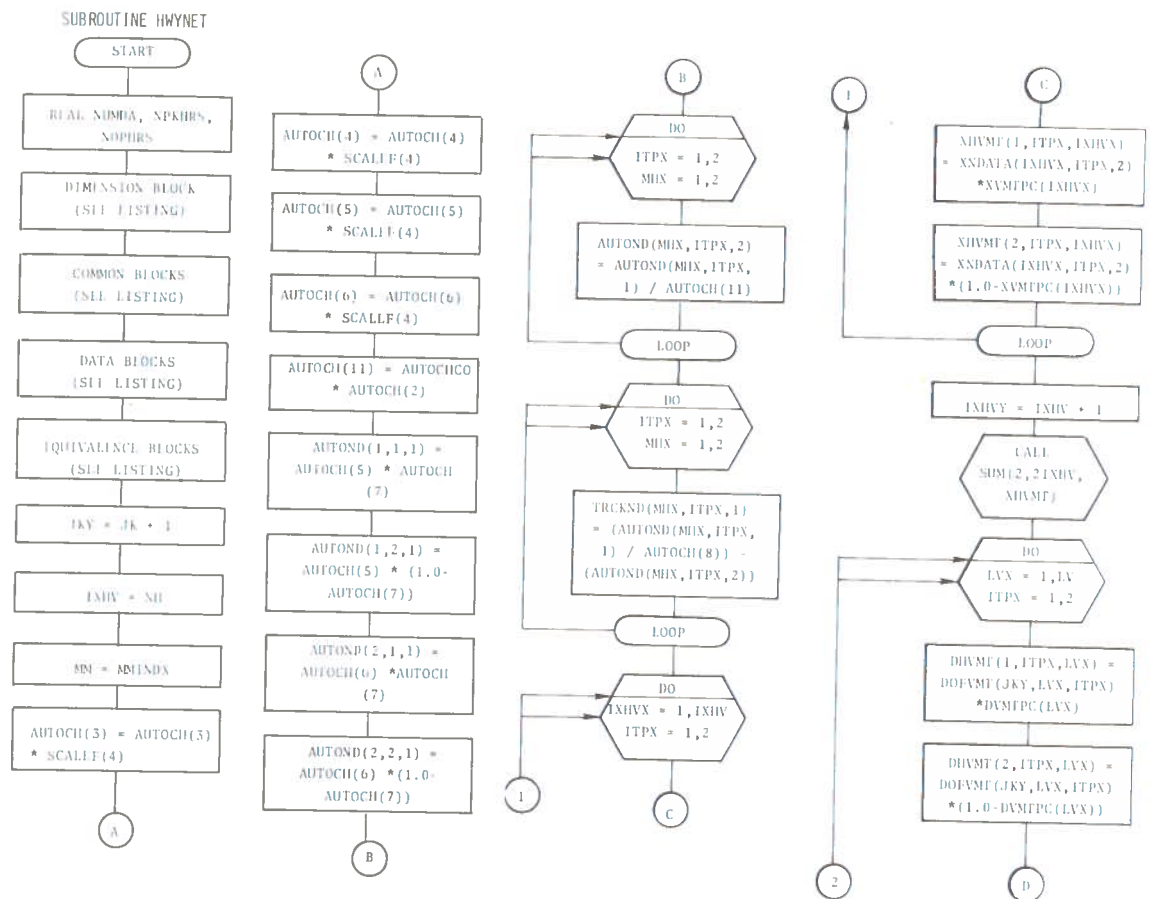


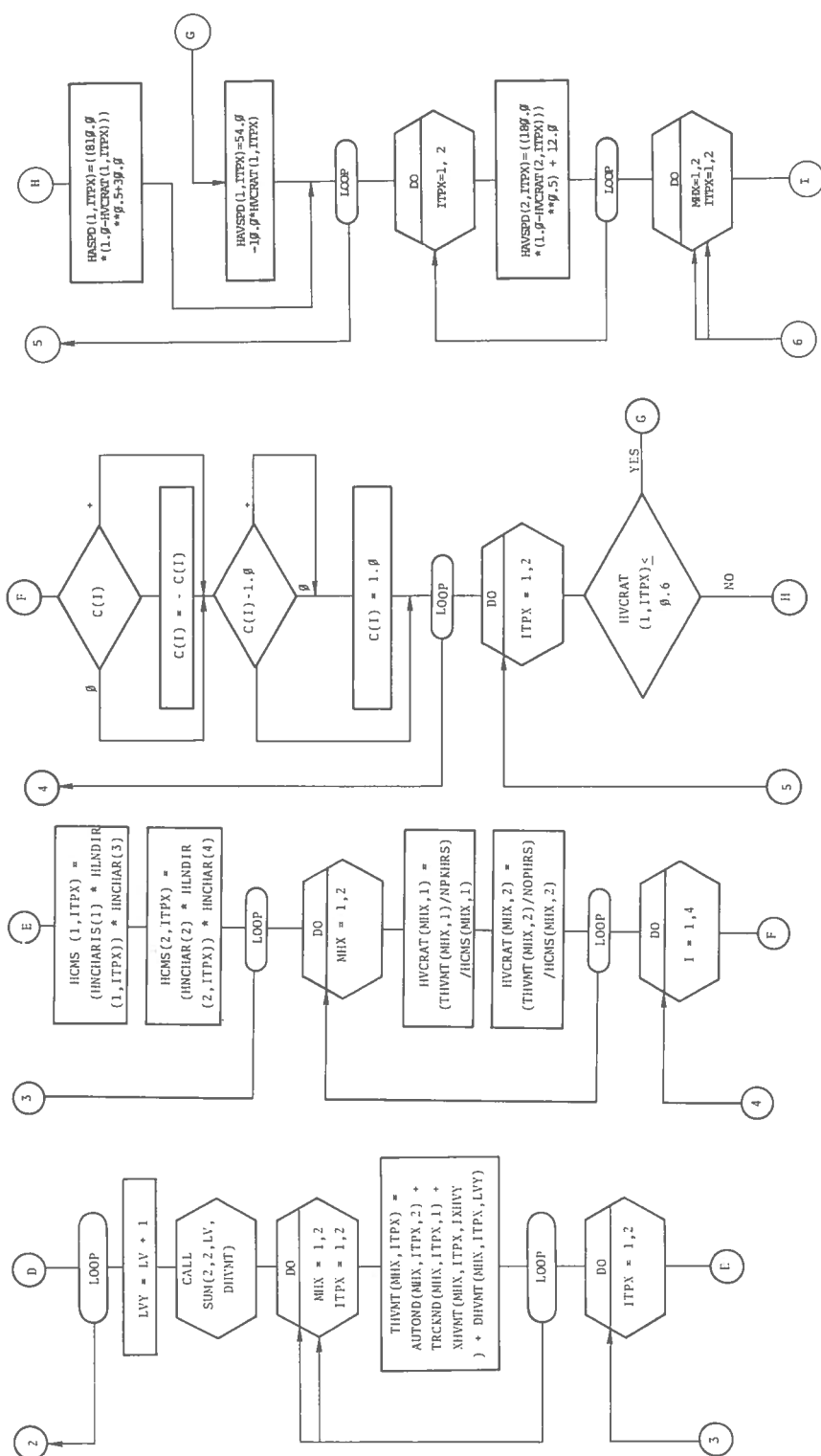
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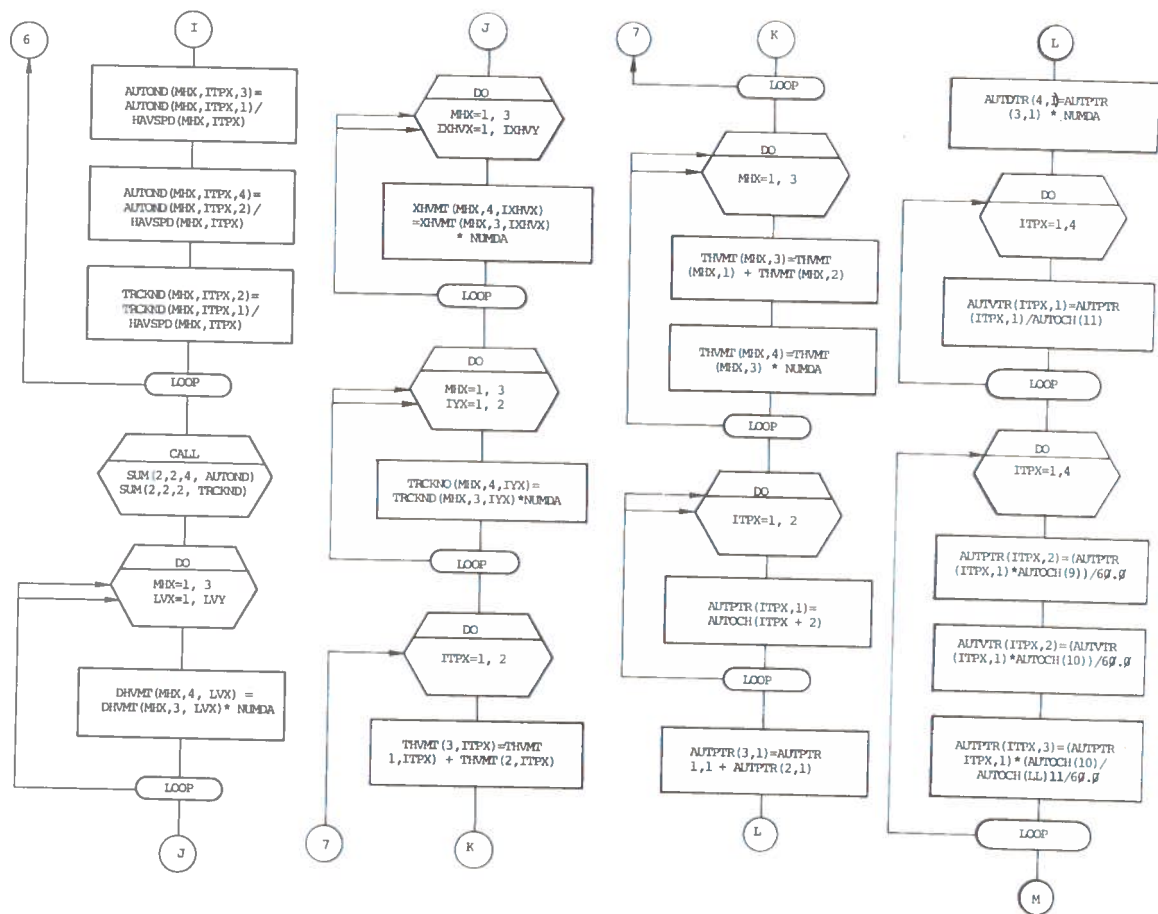


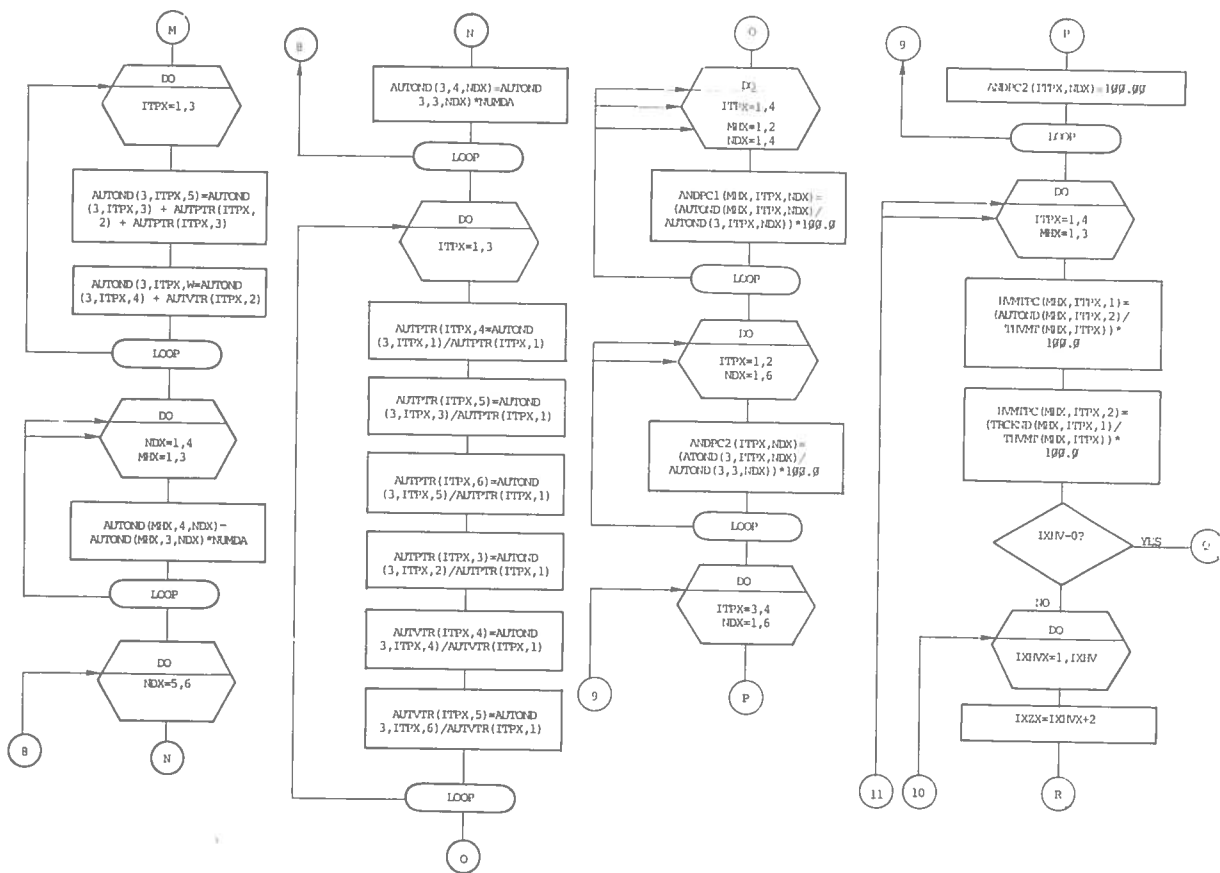


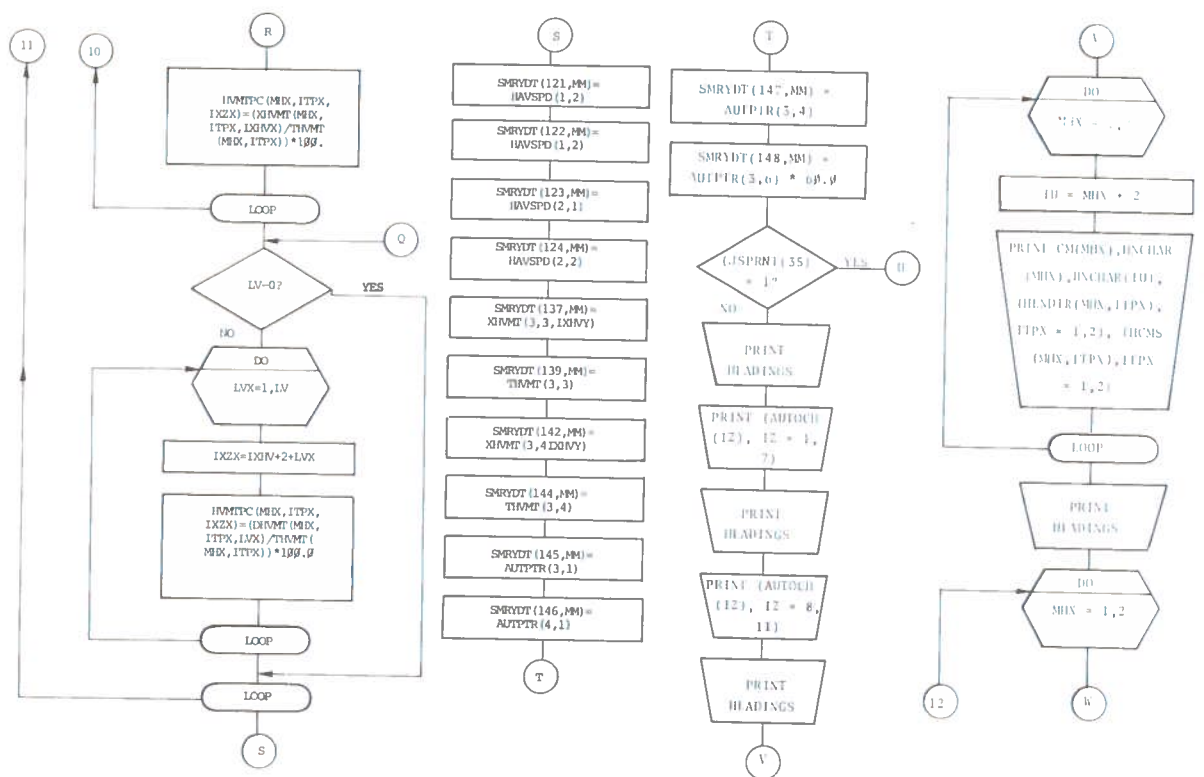


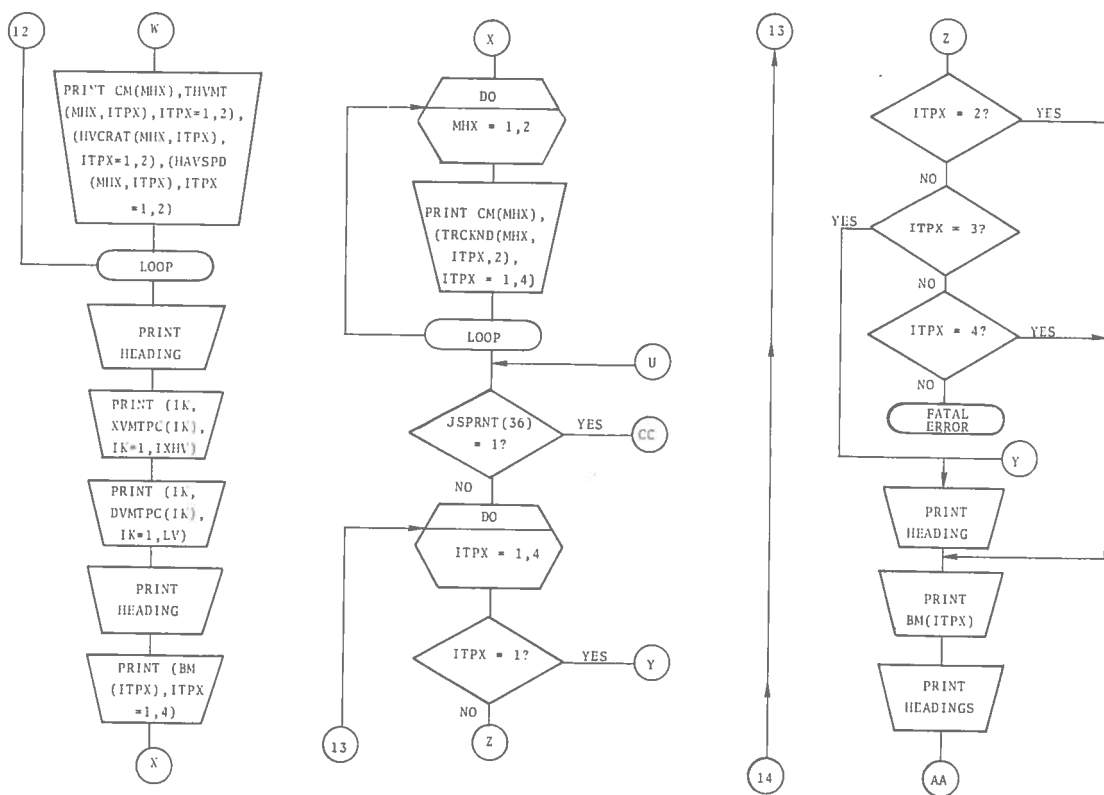


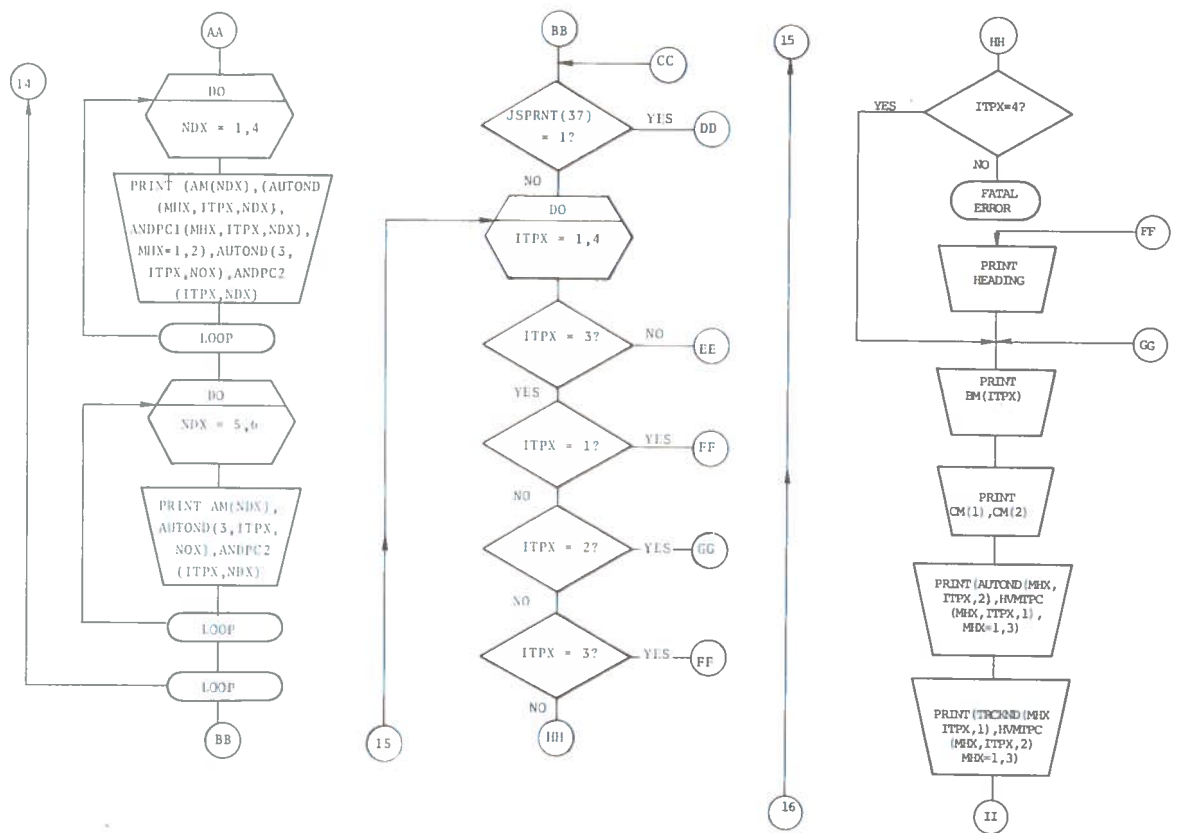


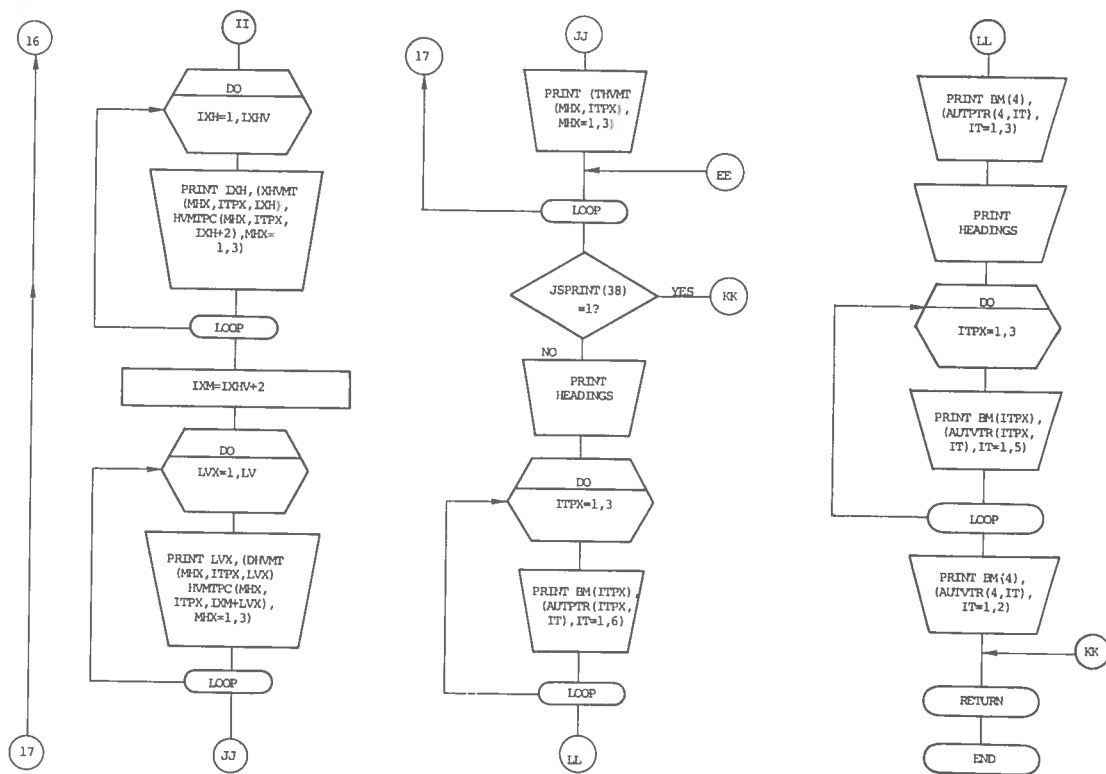




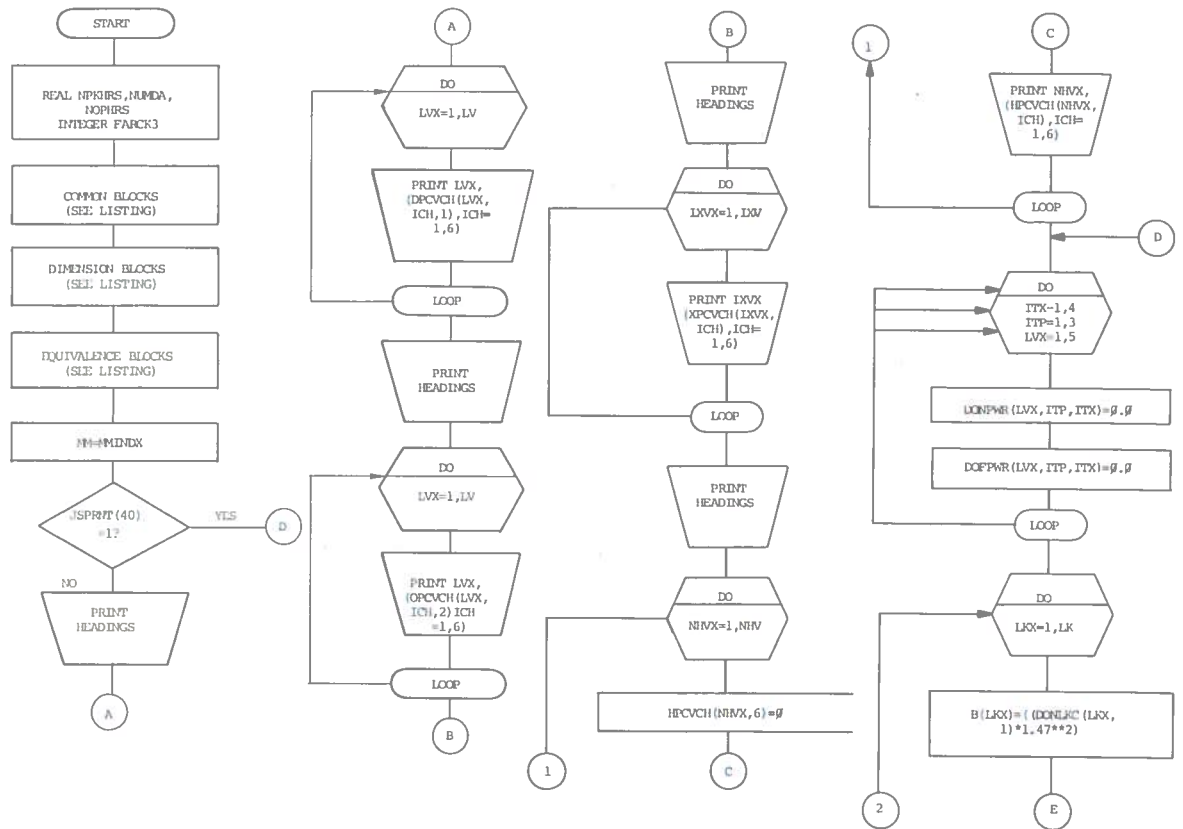








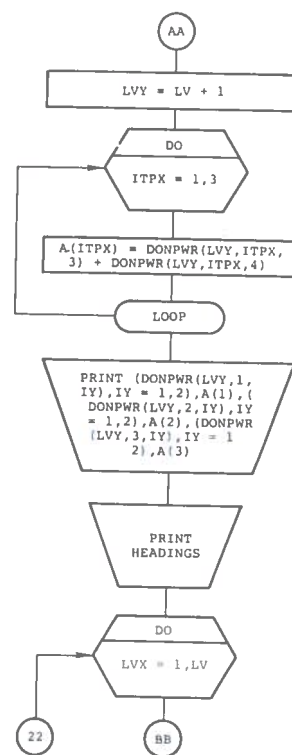
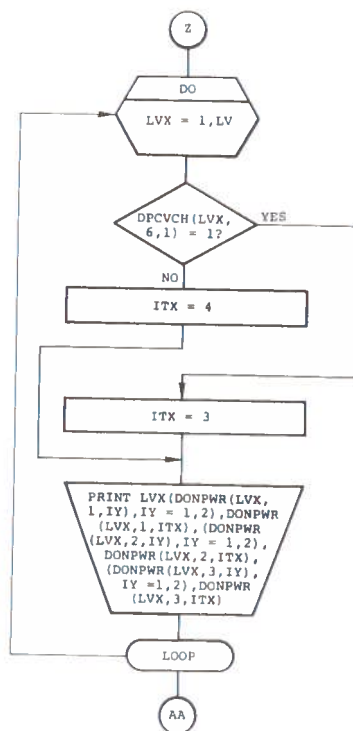
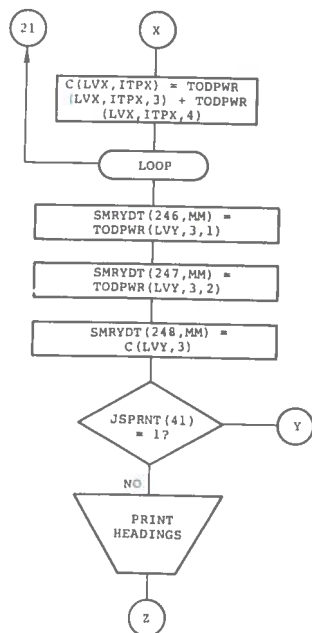
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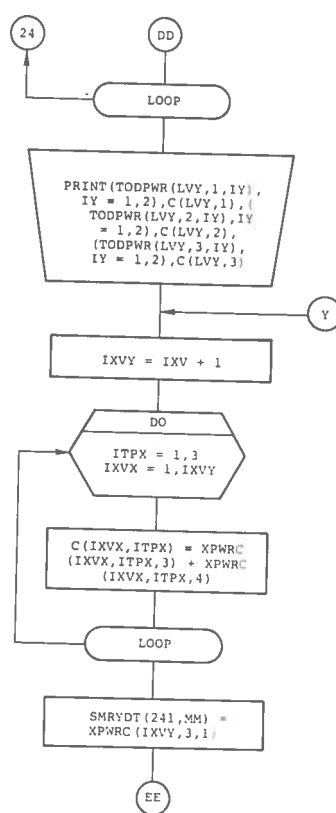
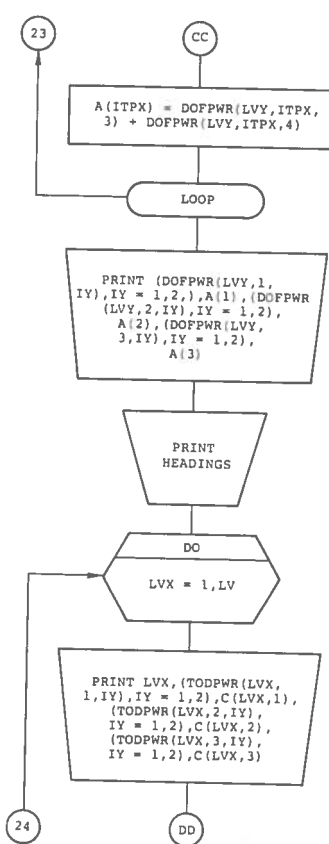
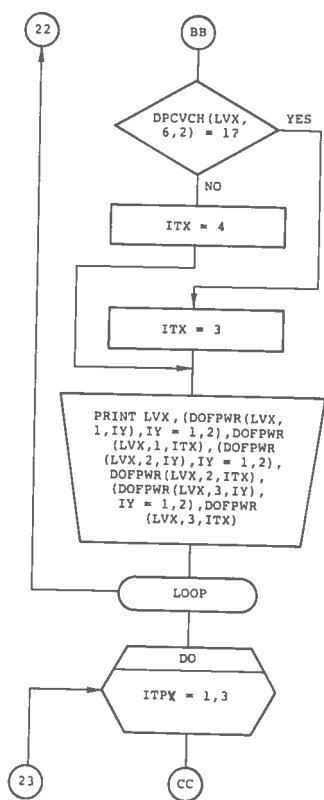


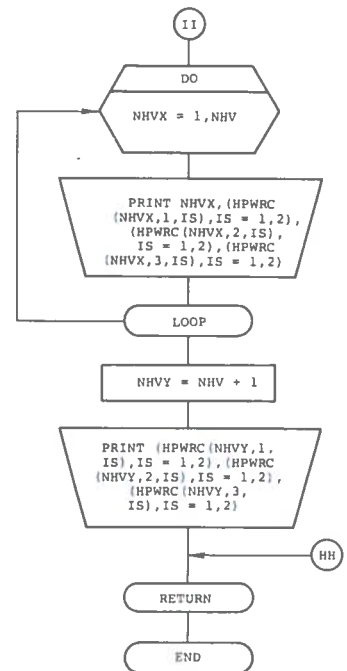
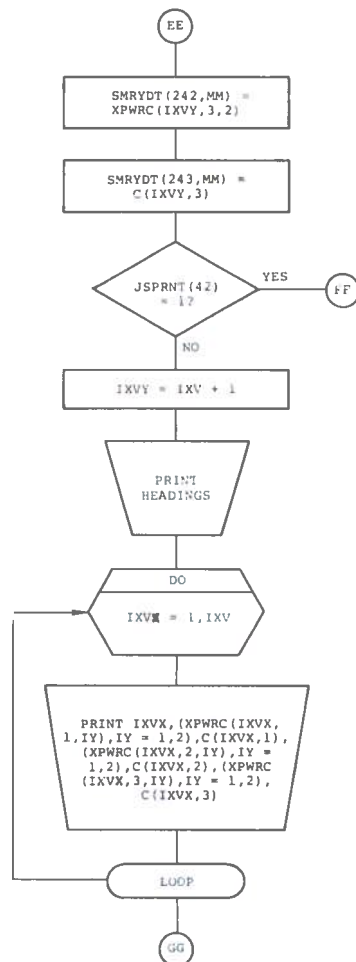
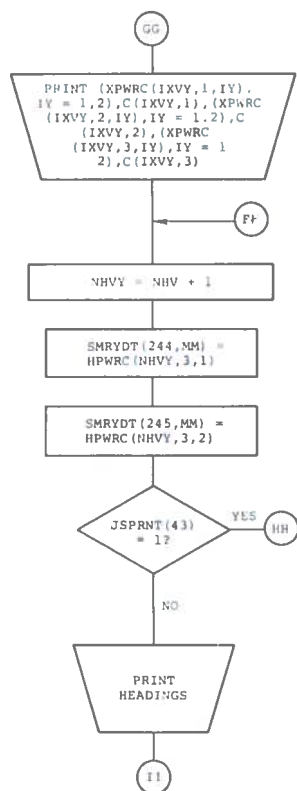


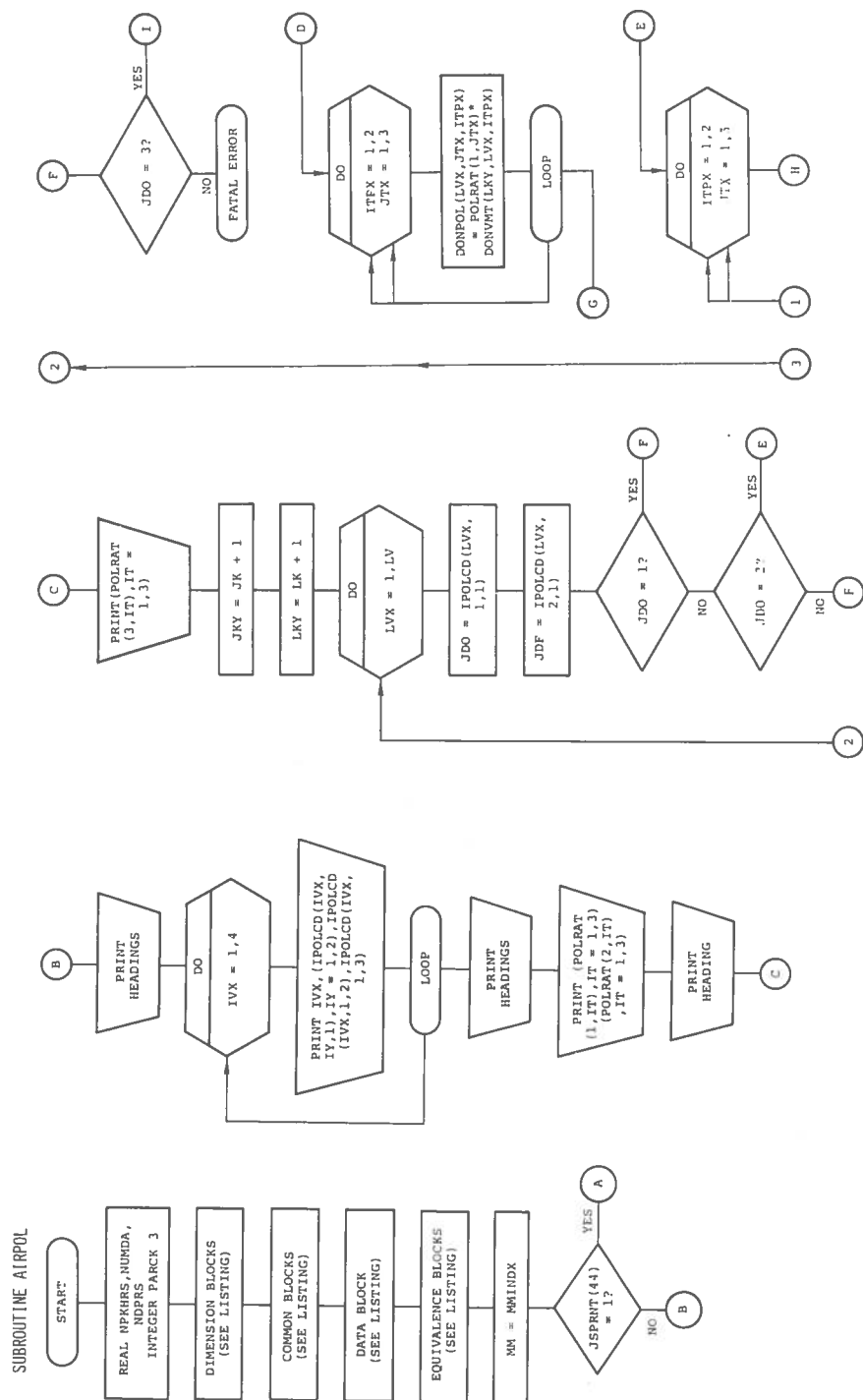


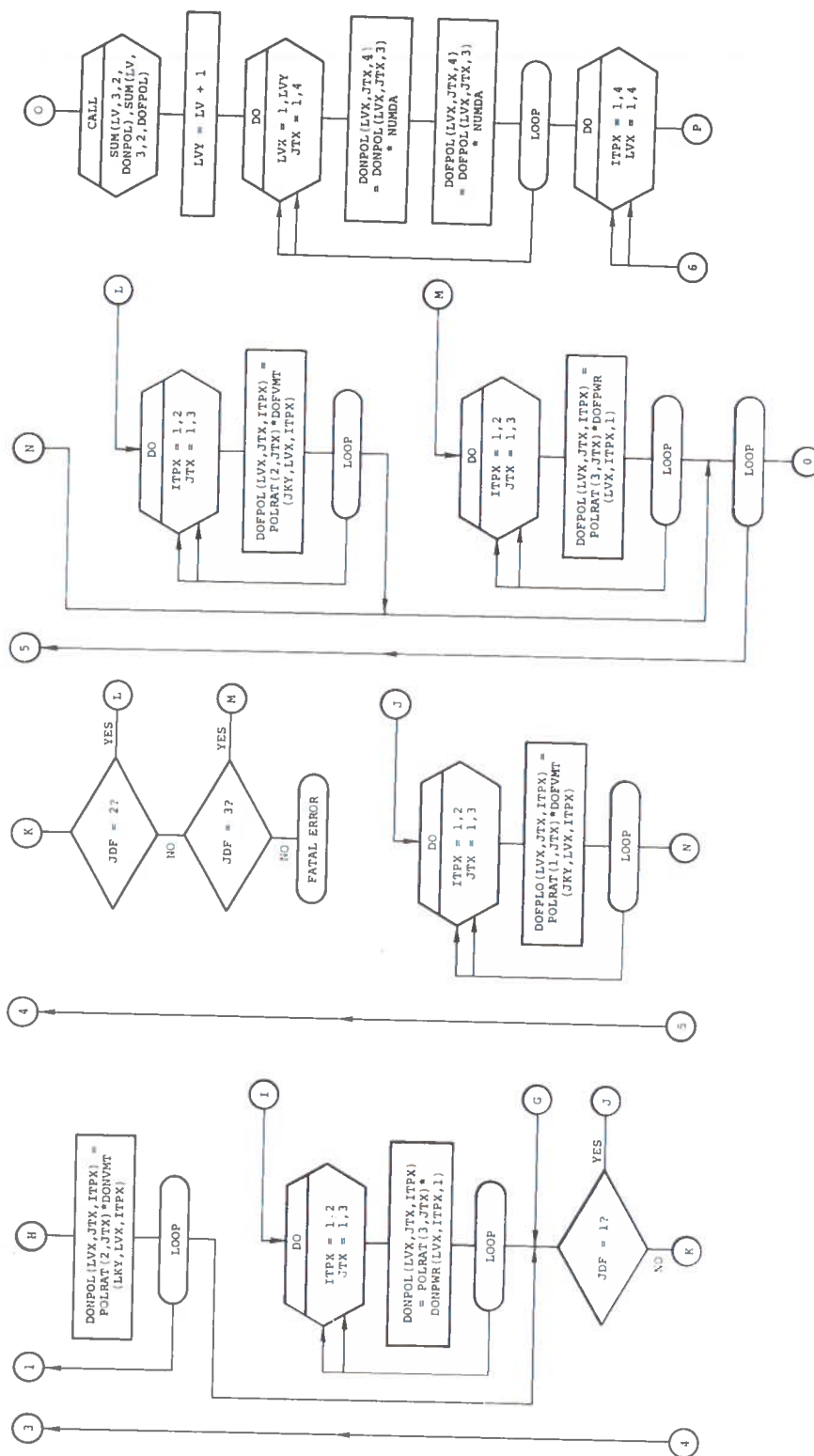


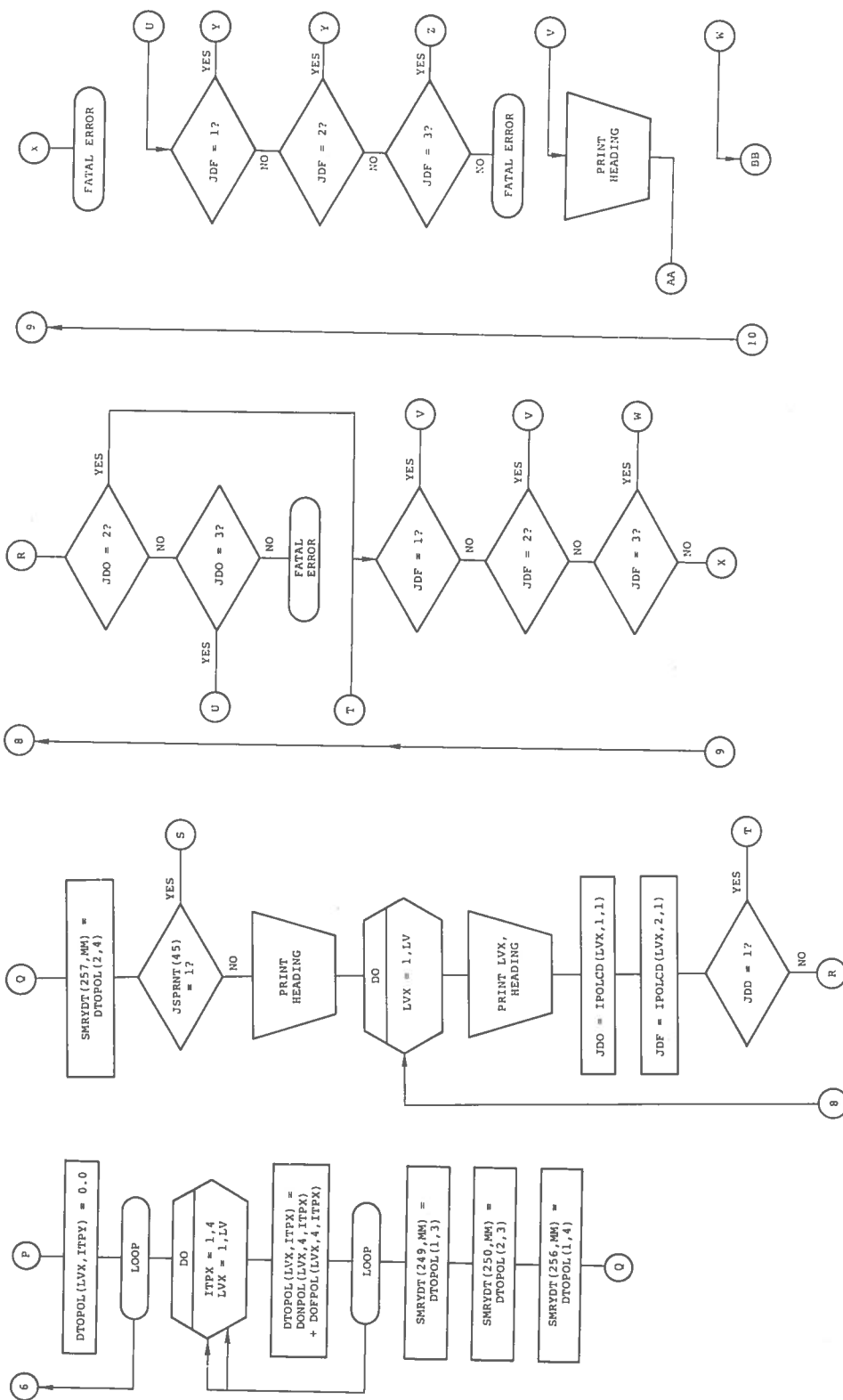


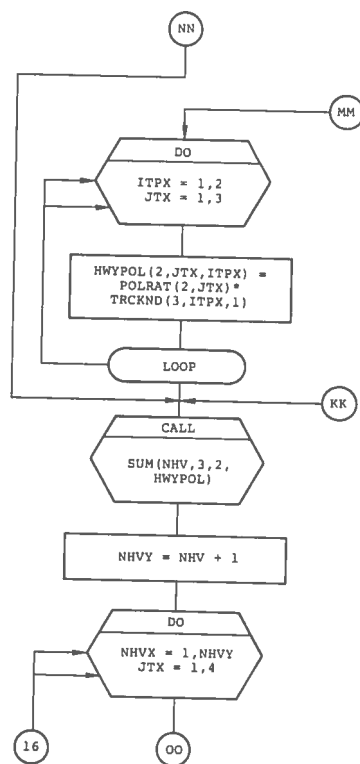
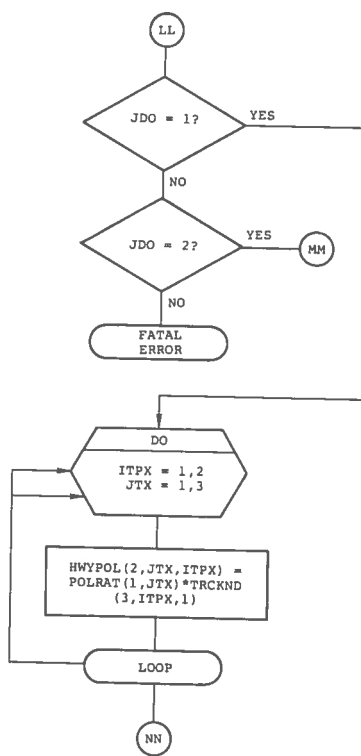
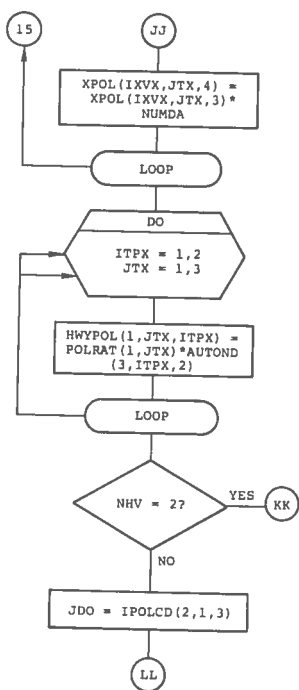


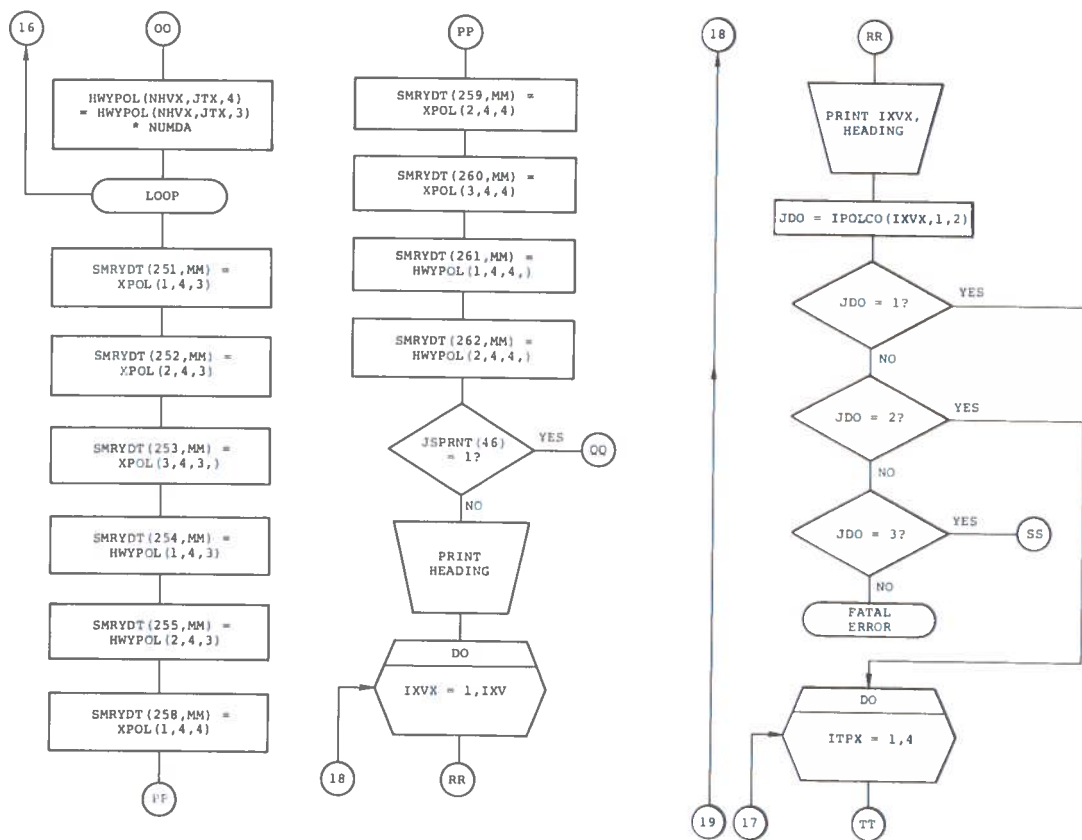




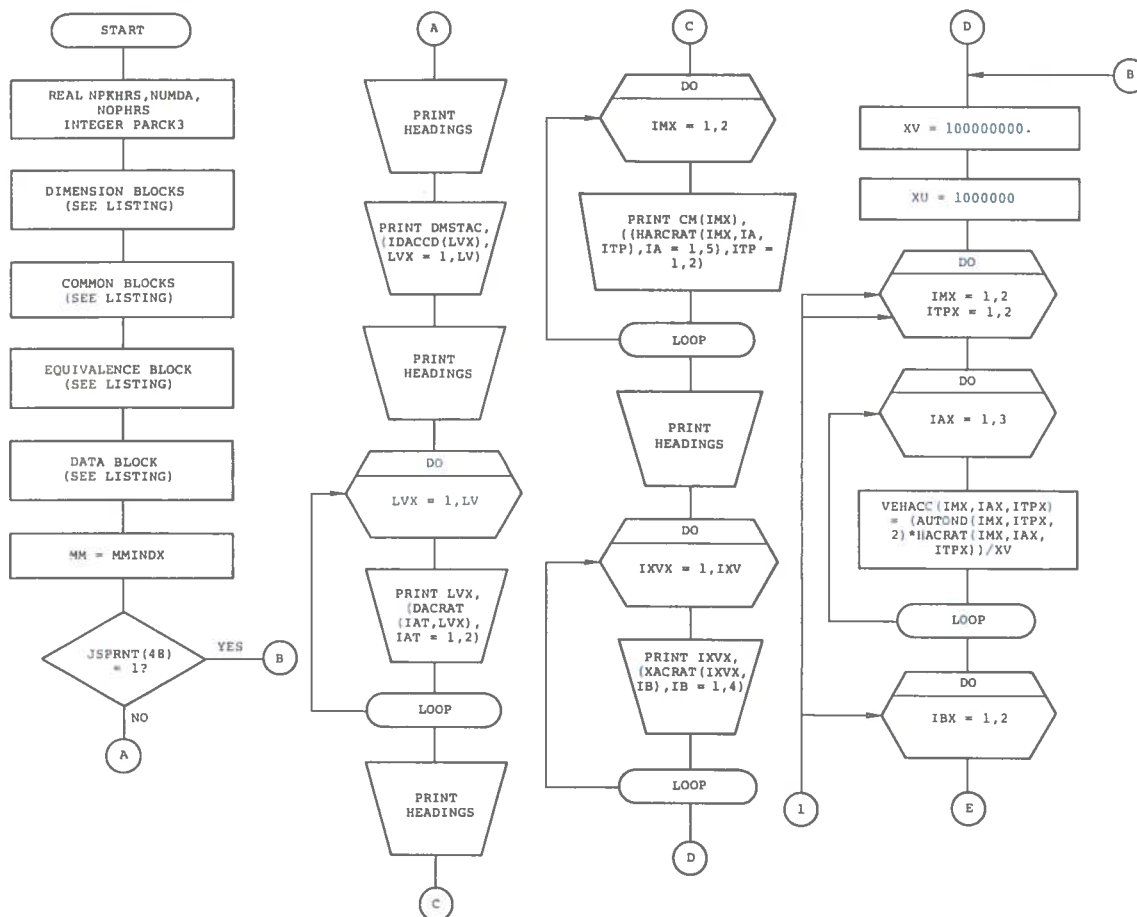


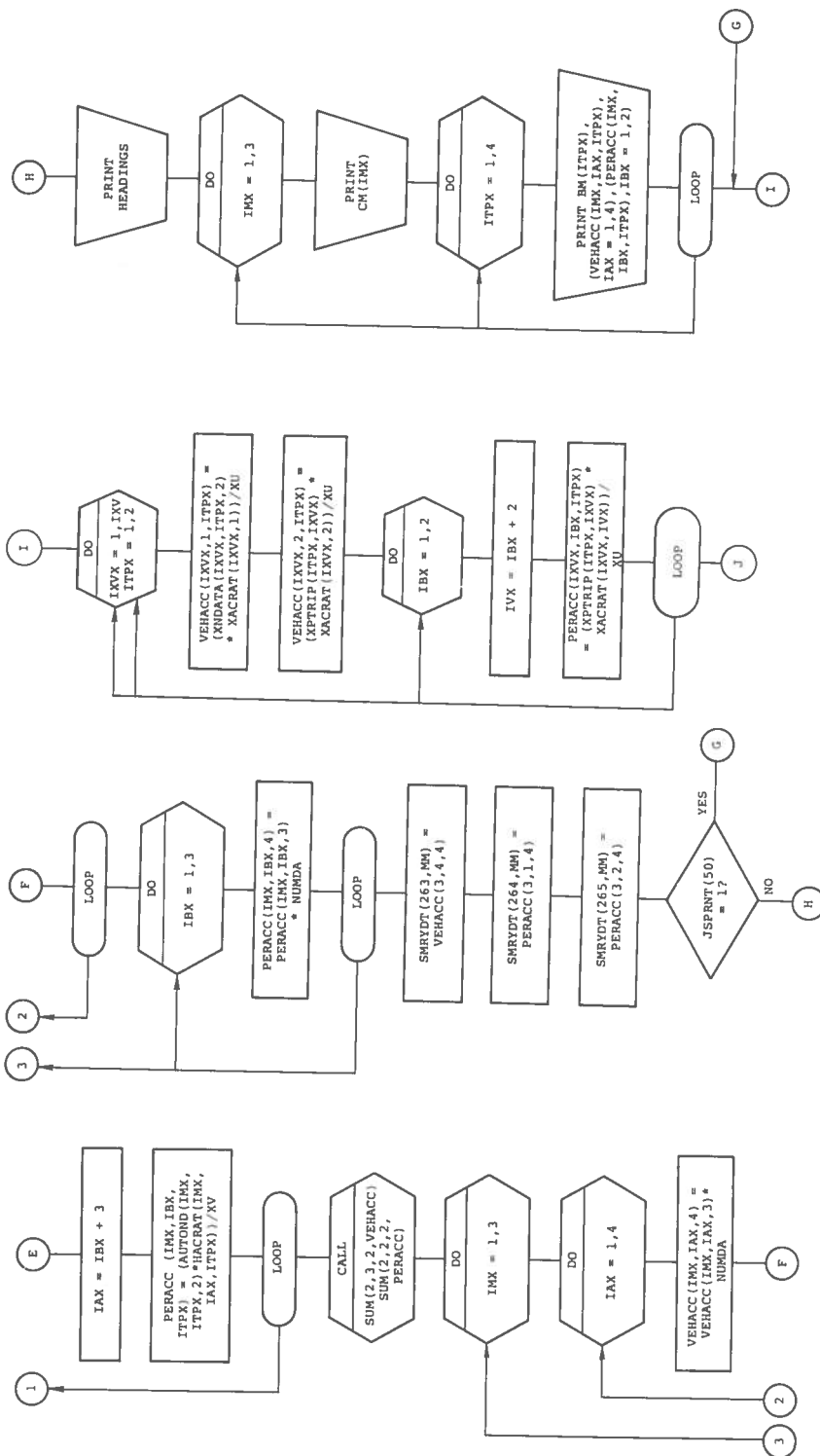


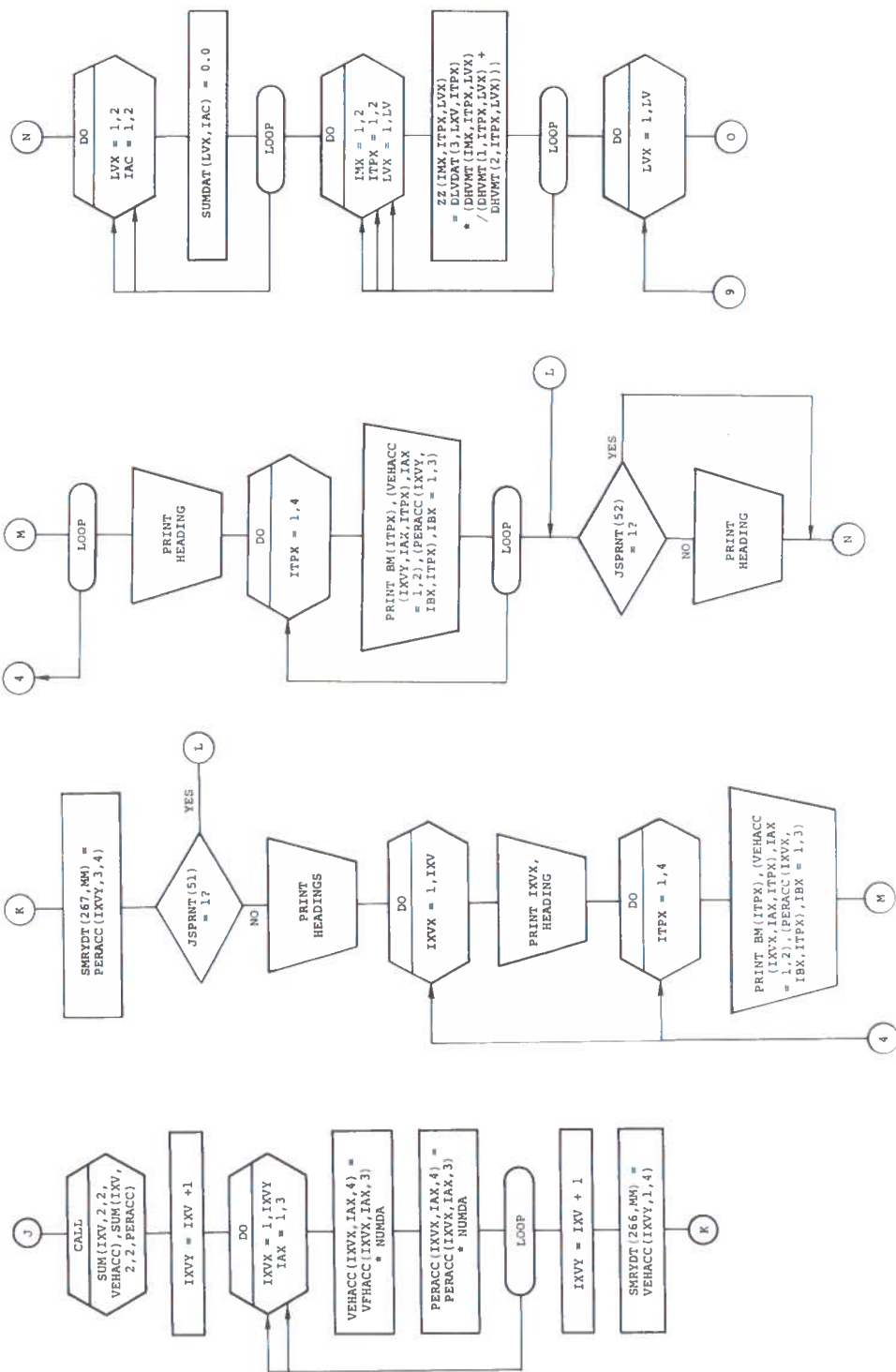




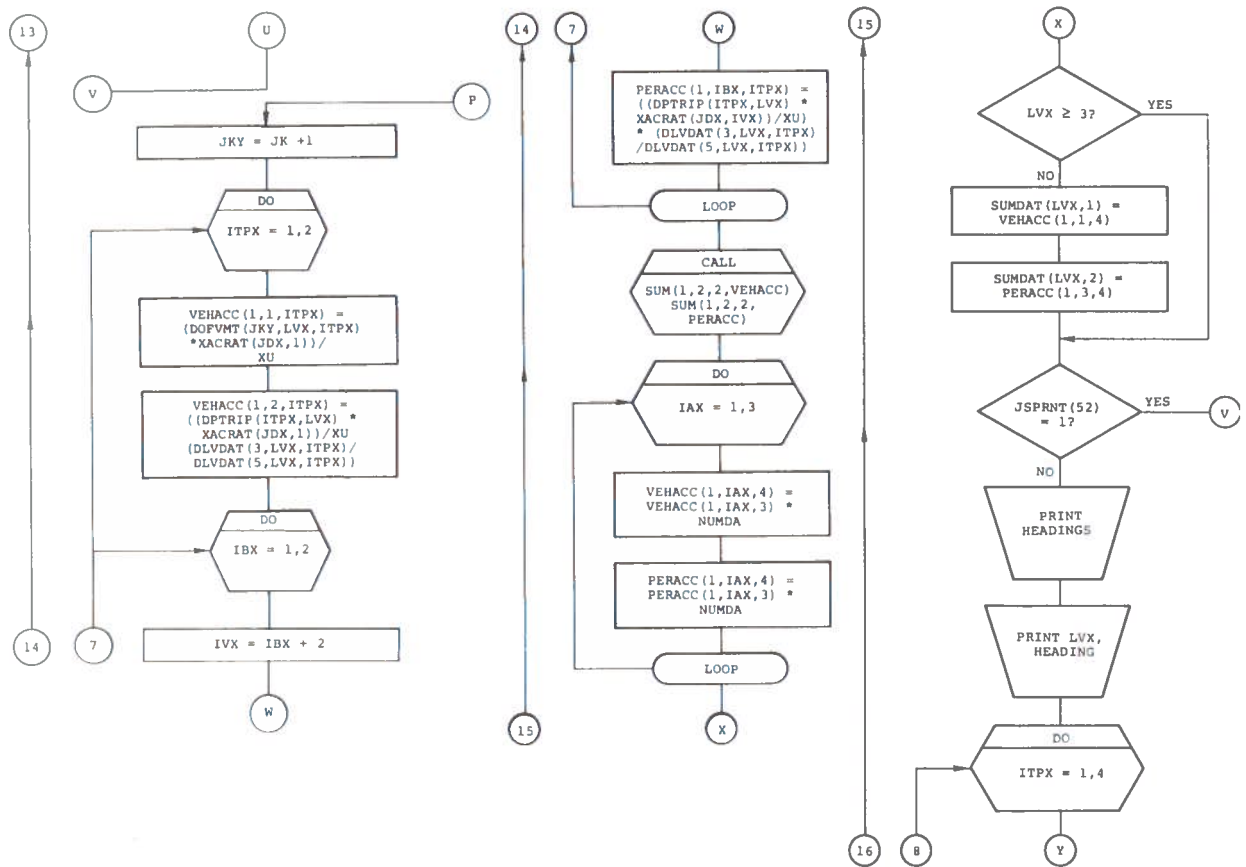
SUBROUTINE ACCDNT

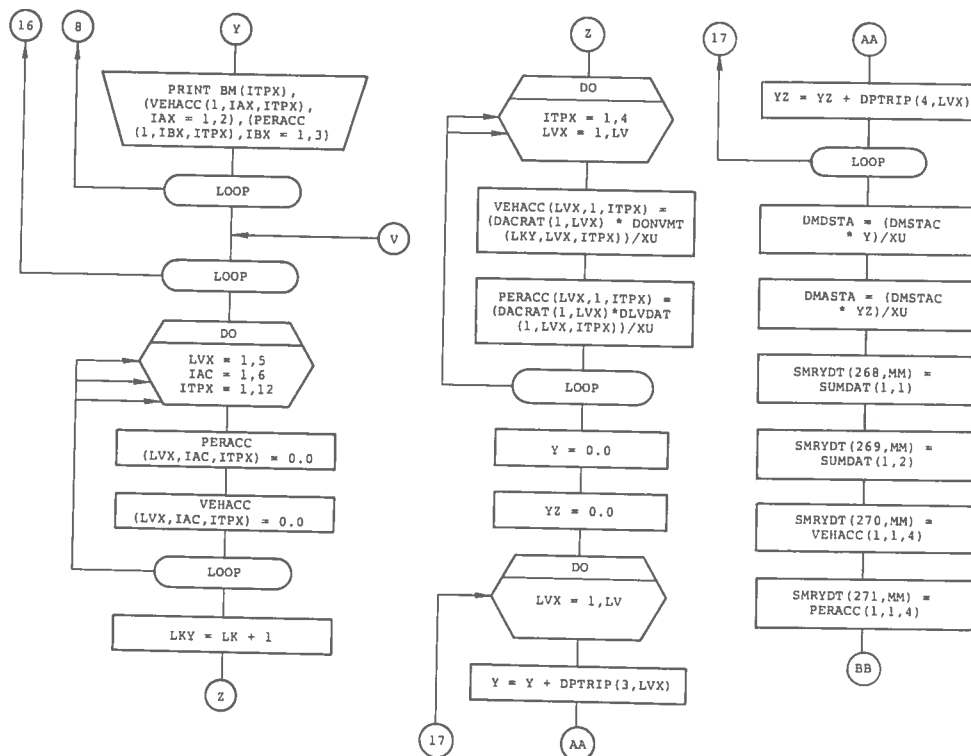




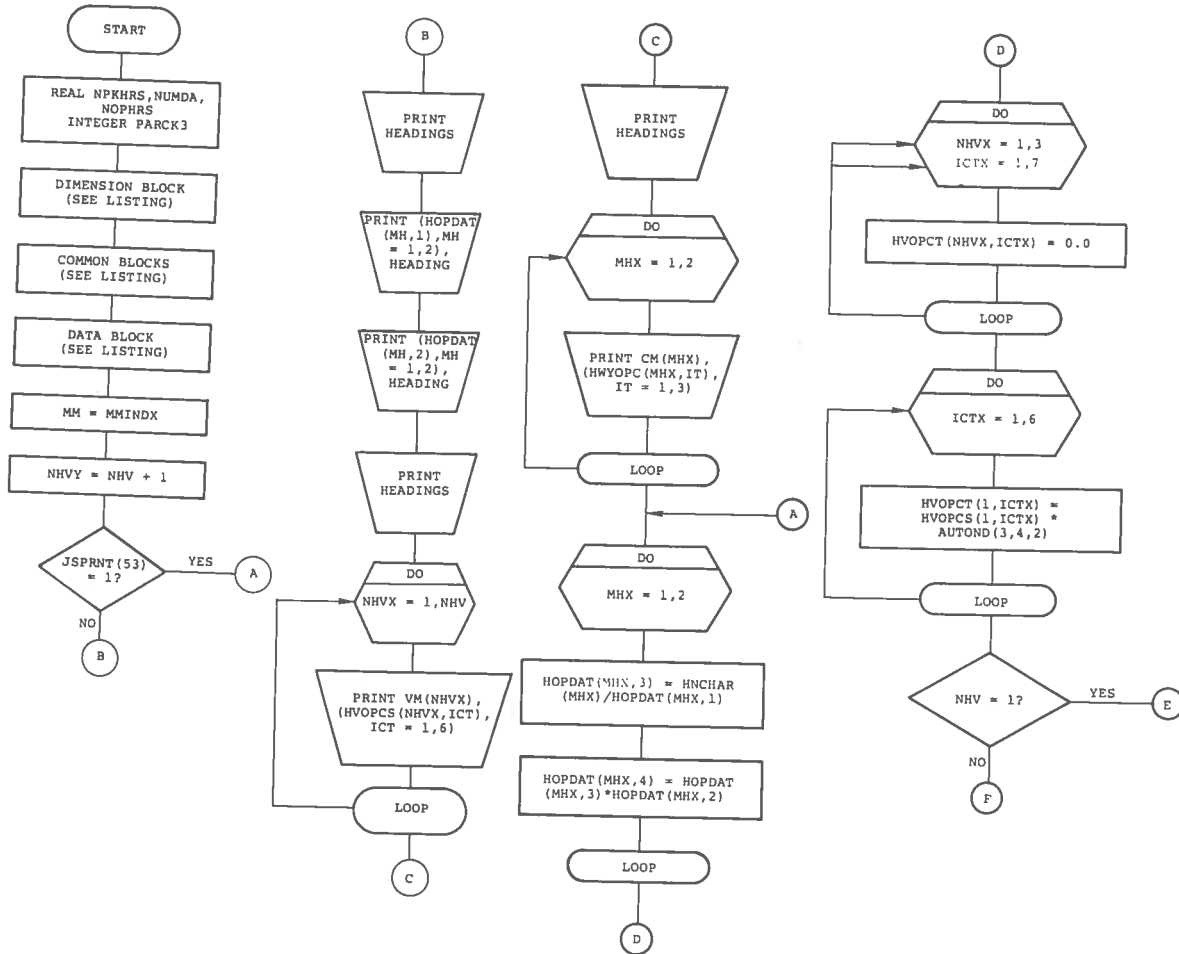


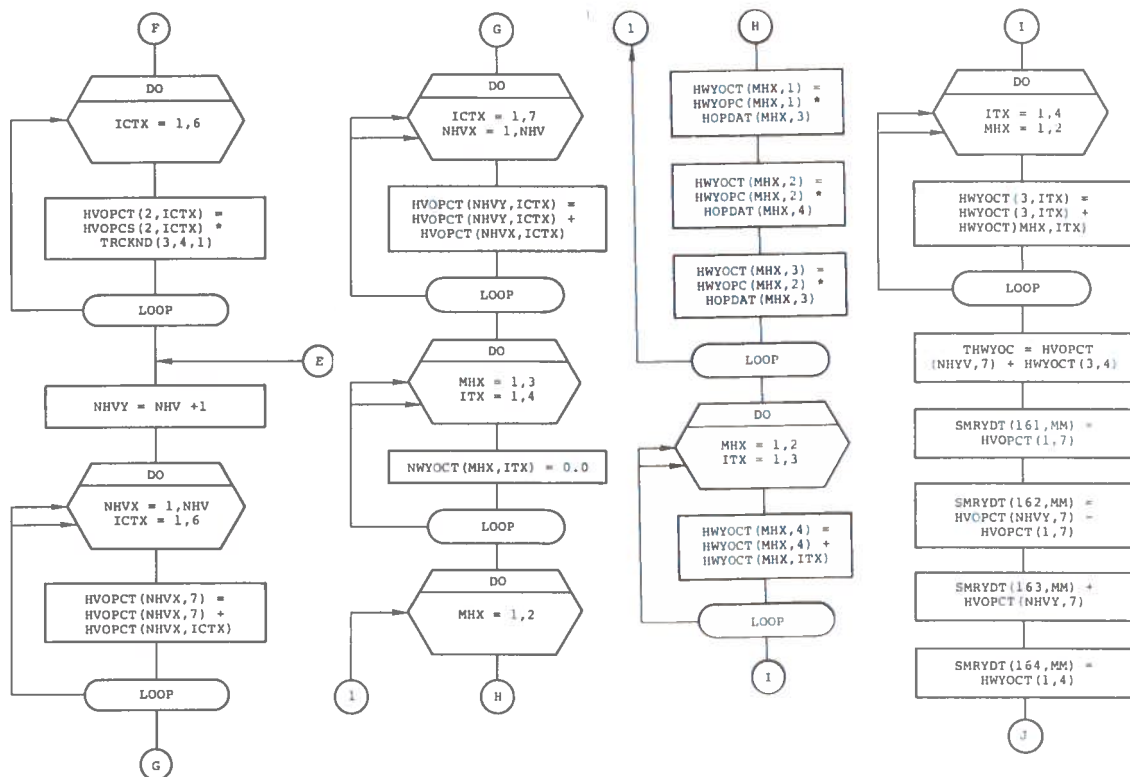


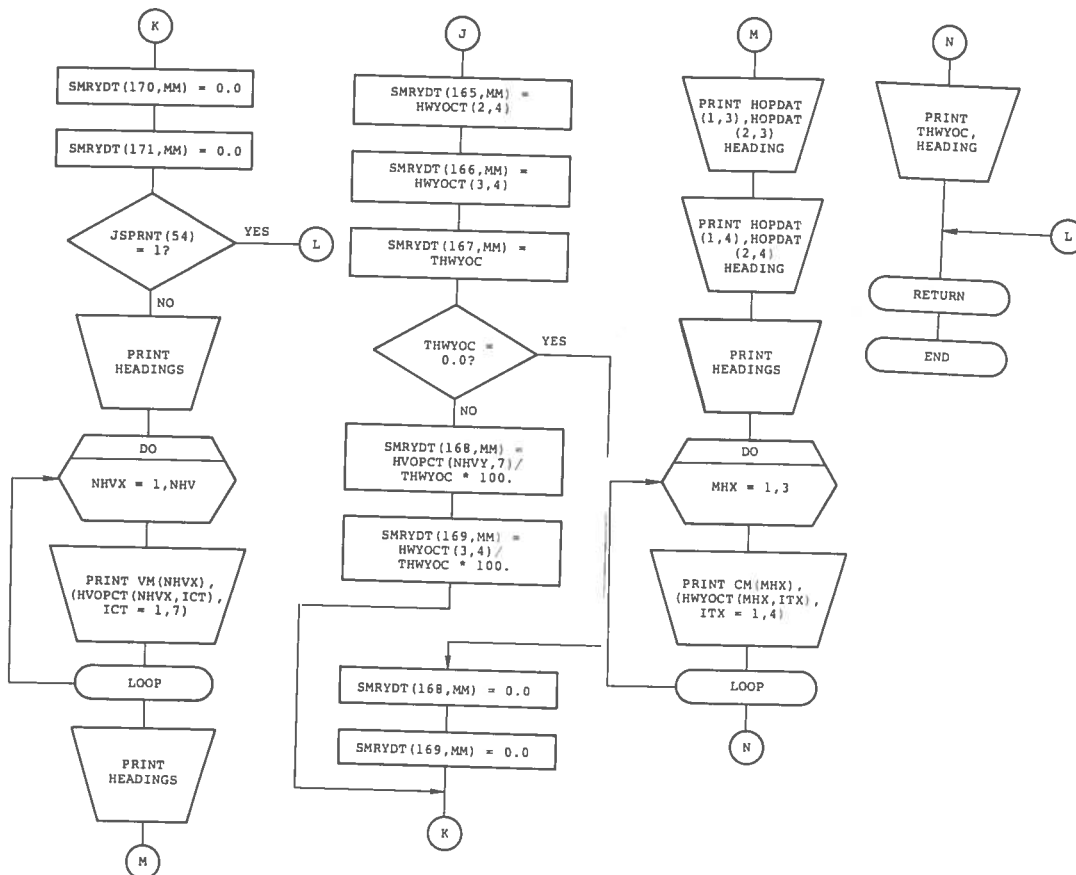


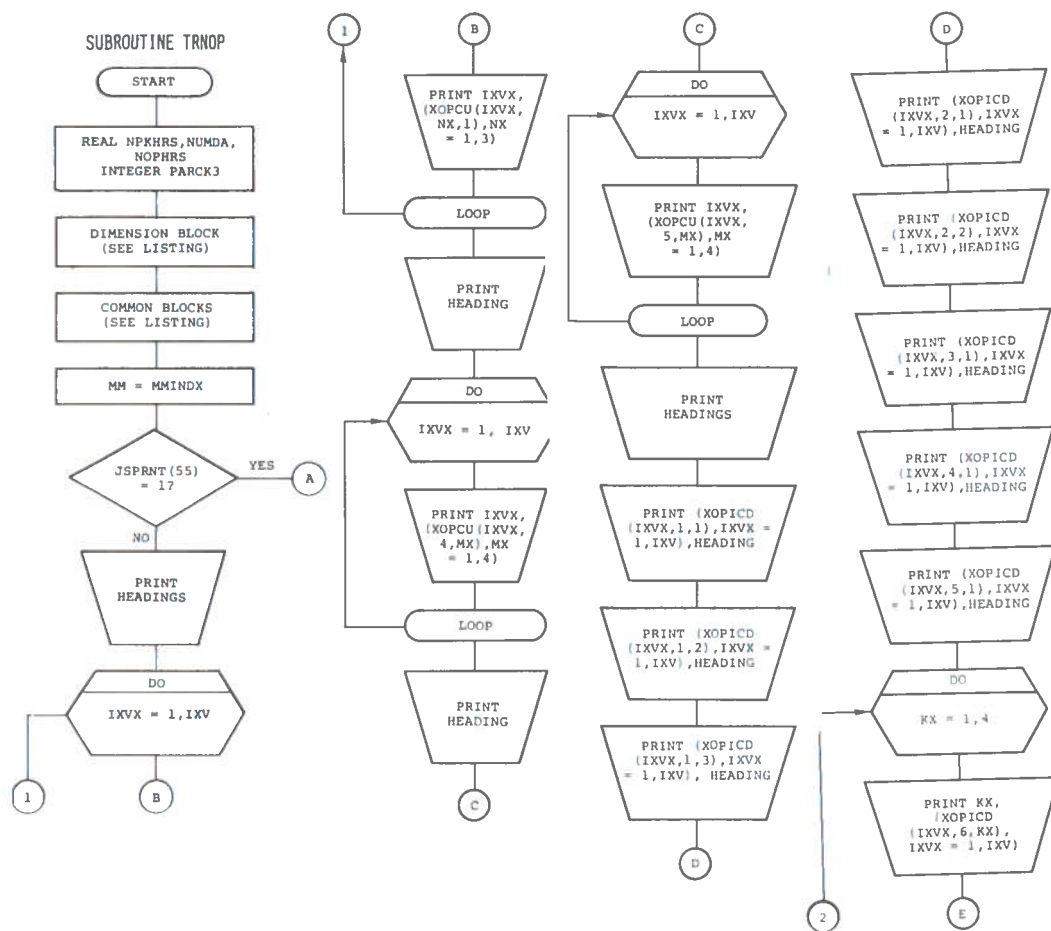


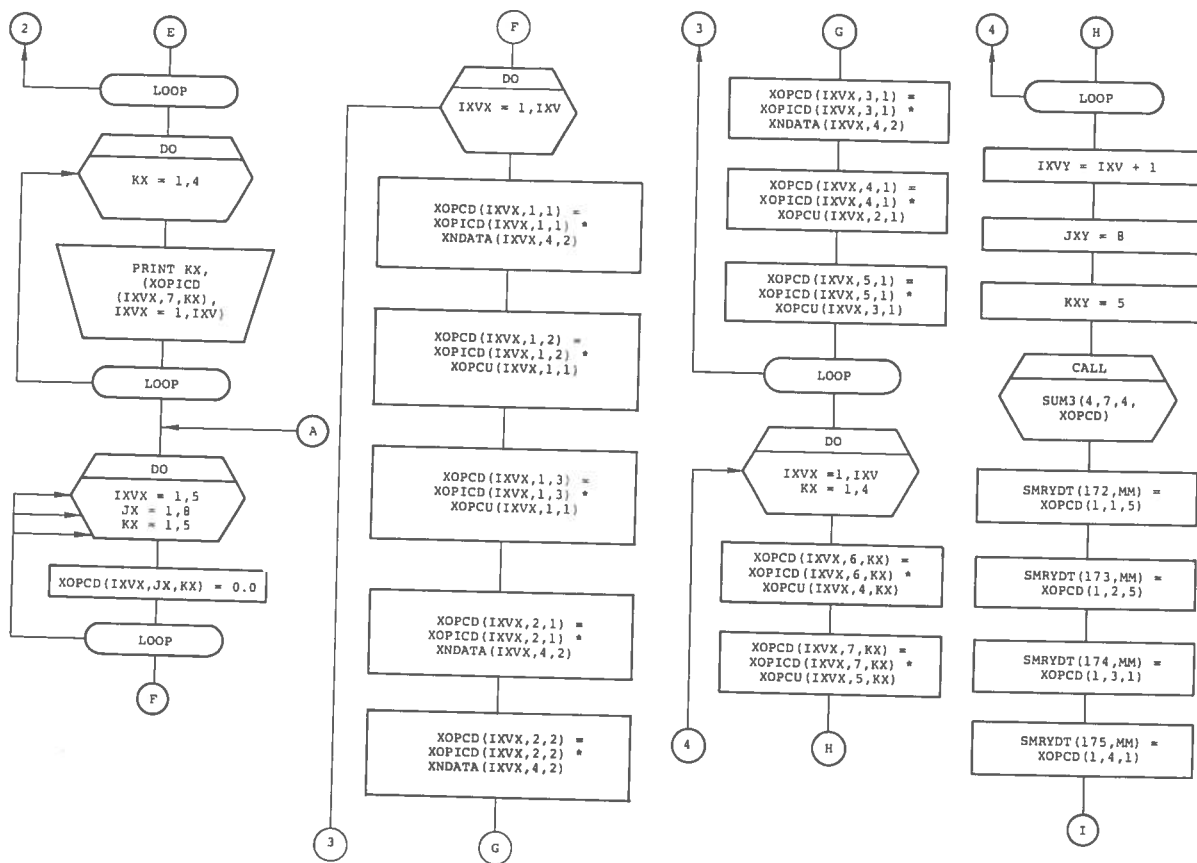
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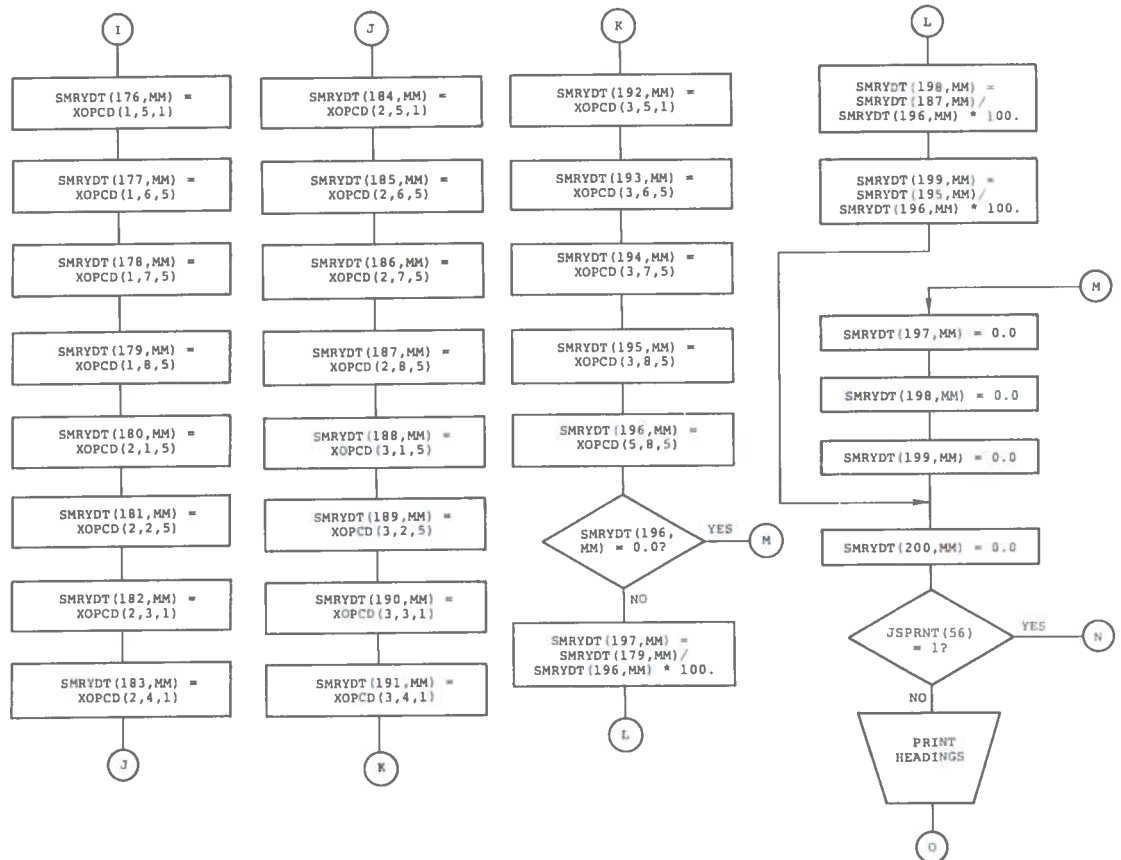


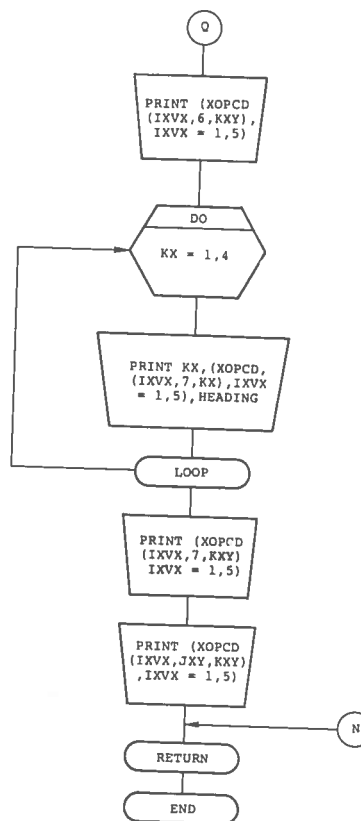
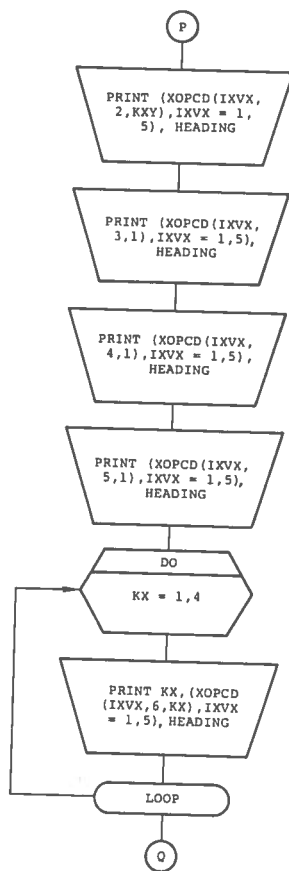
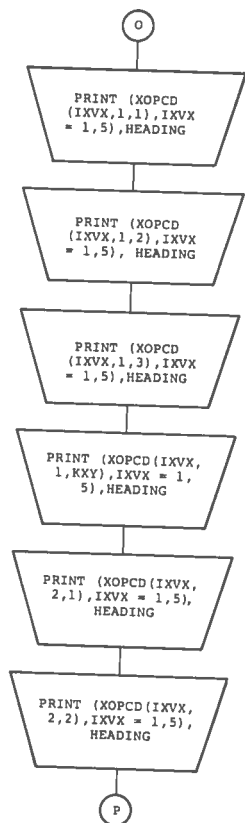


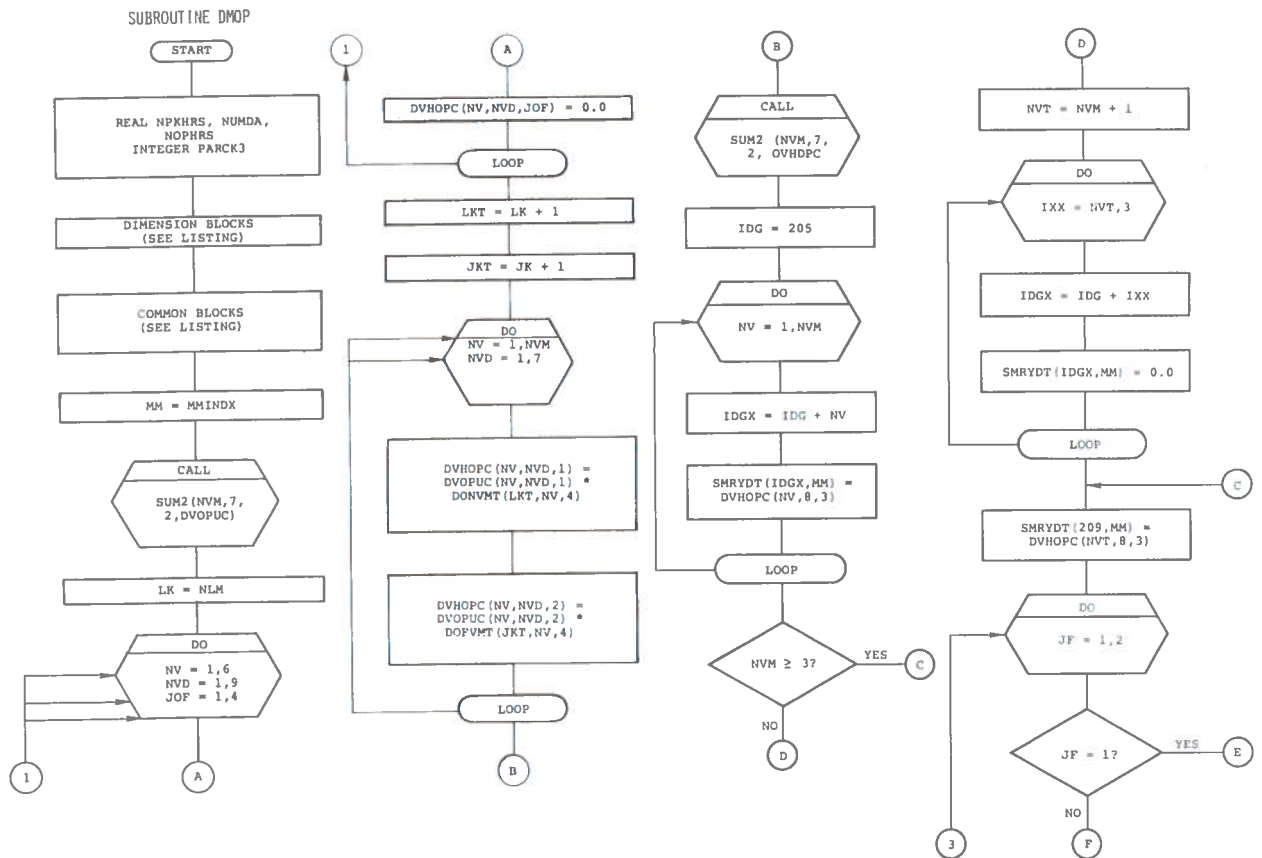


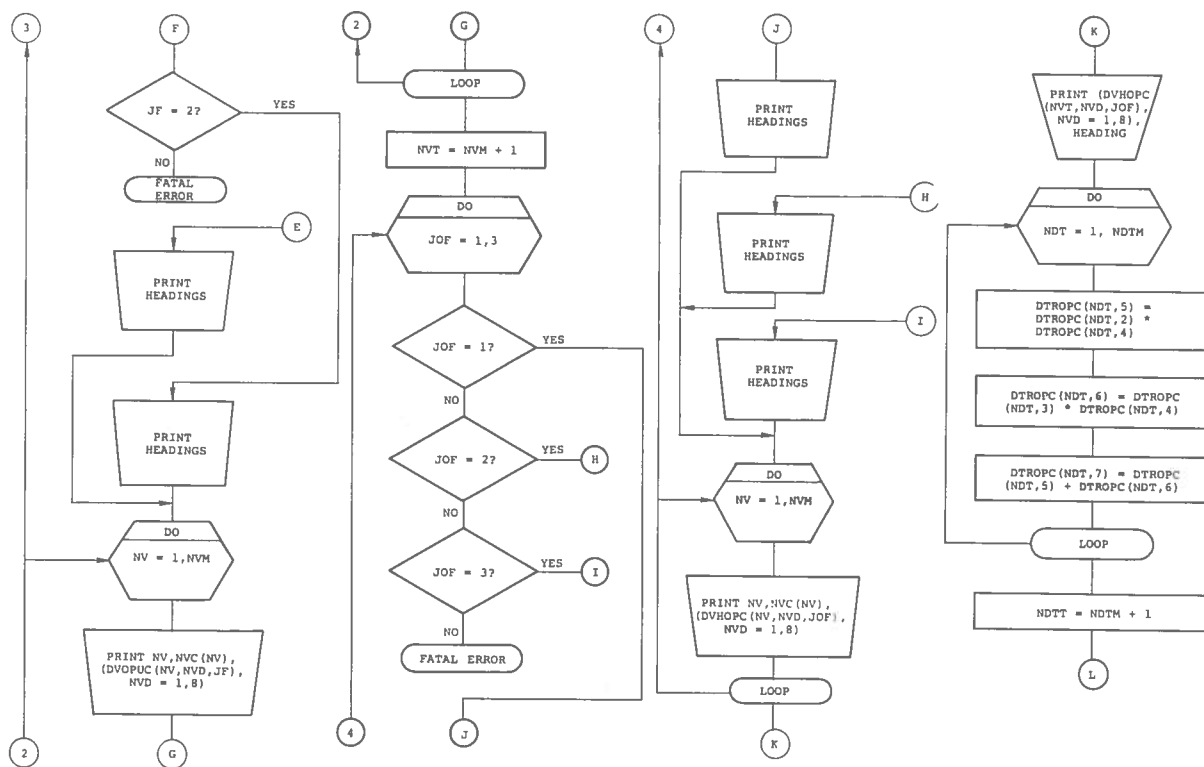


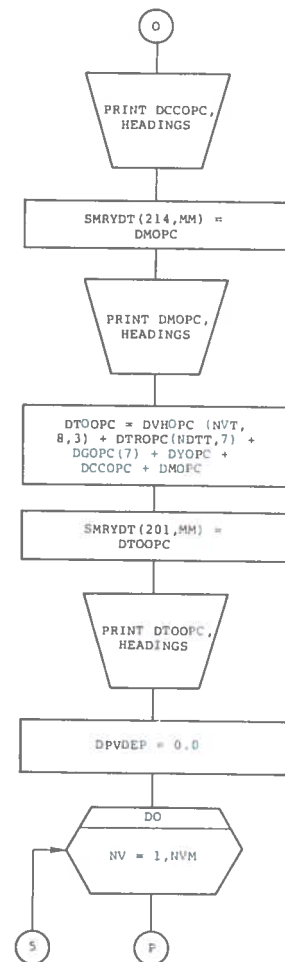
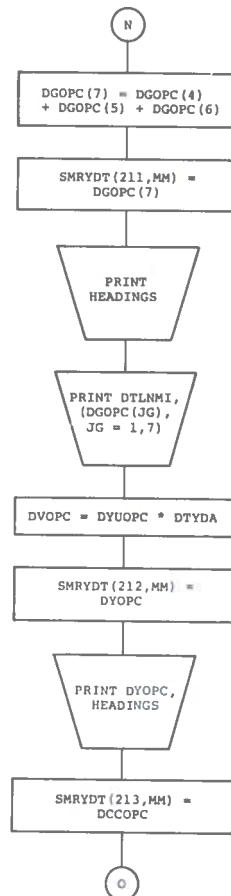
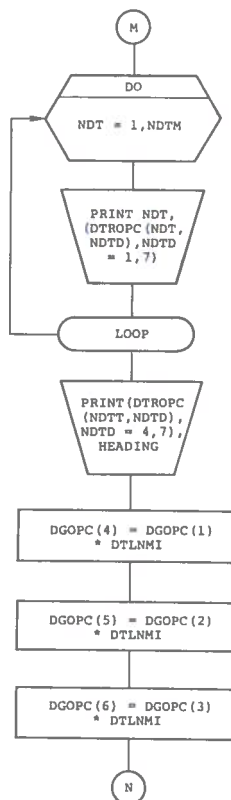
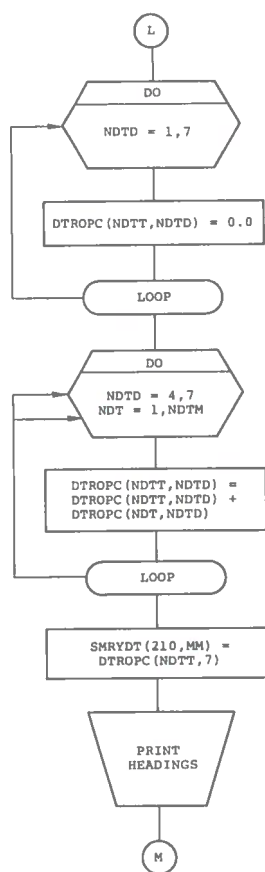


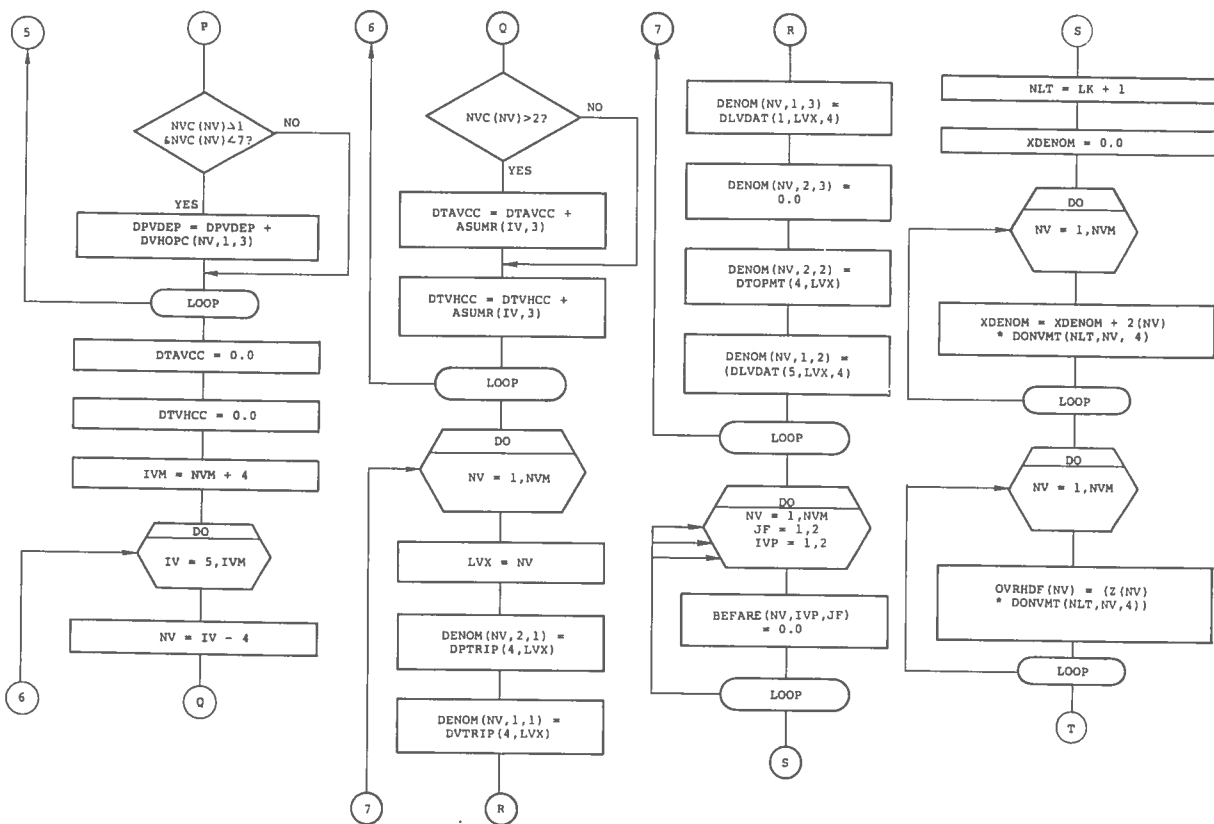


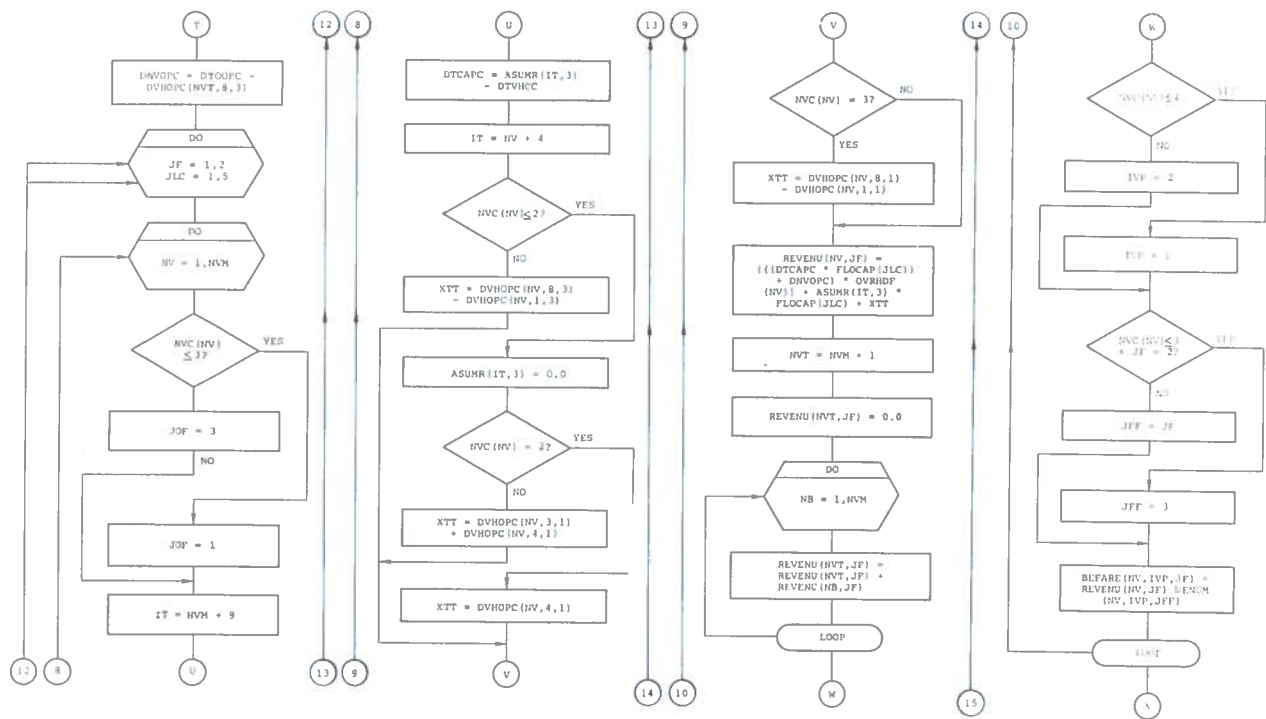


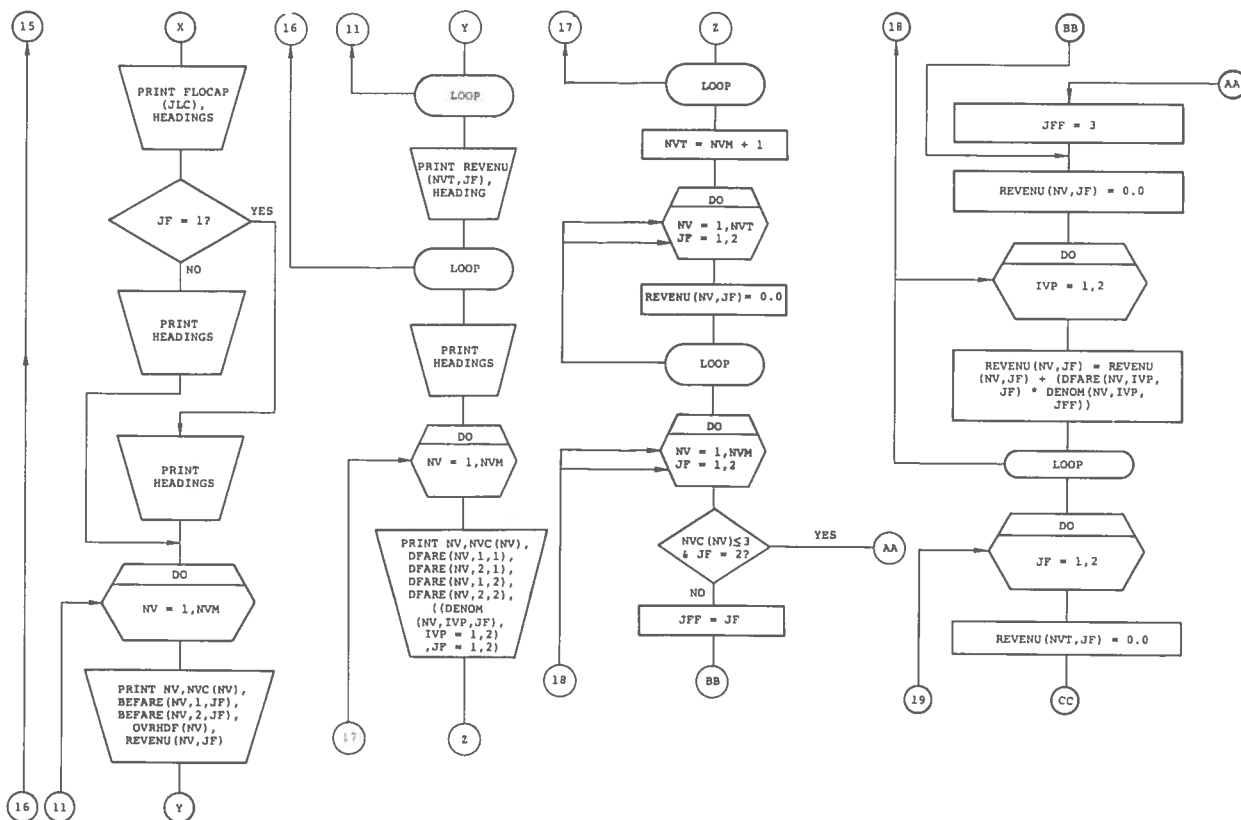


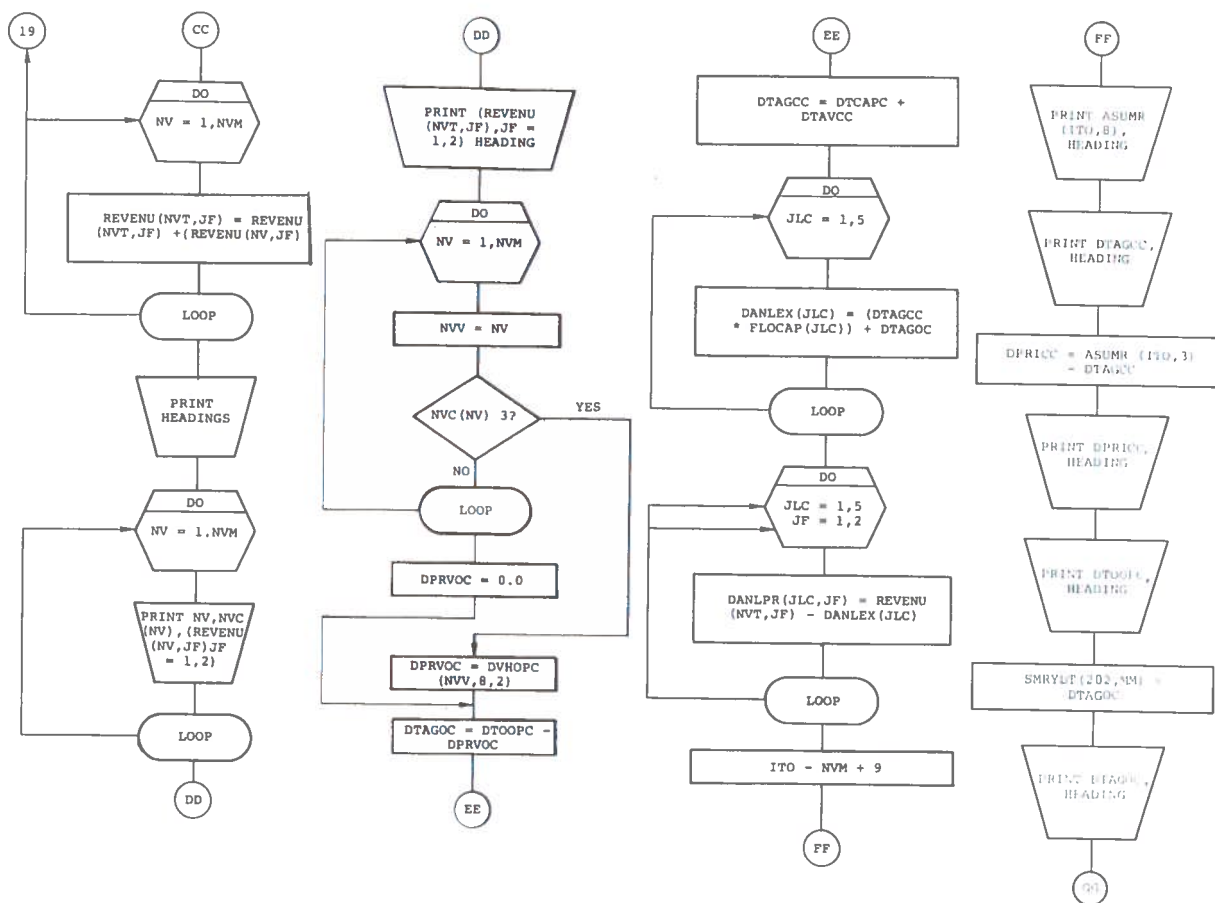


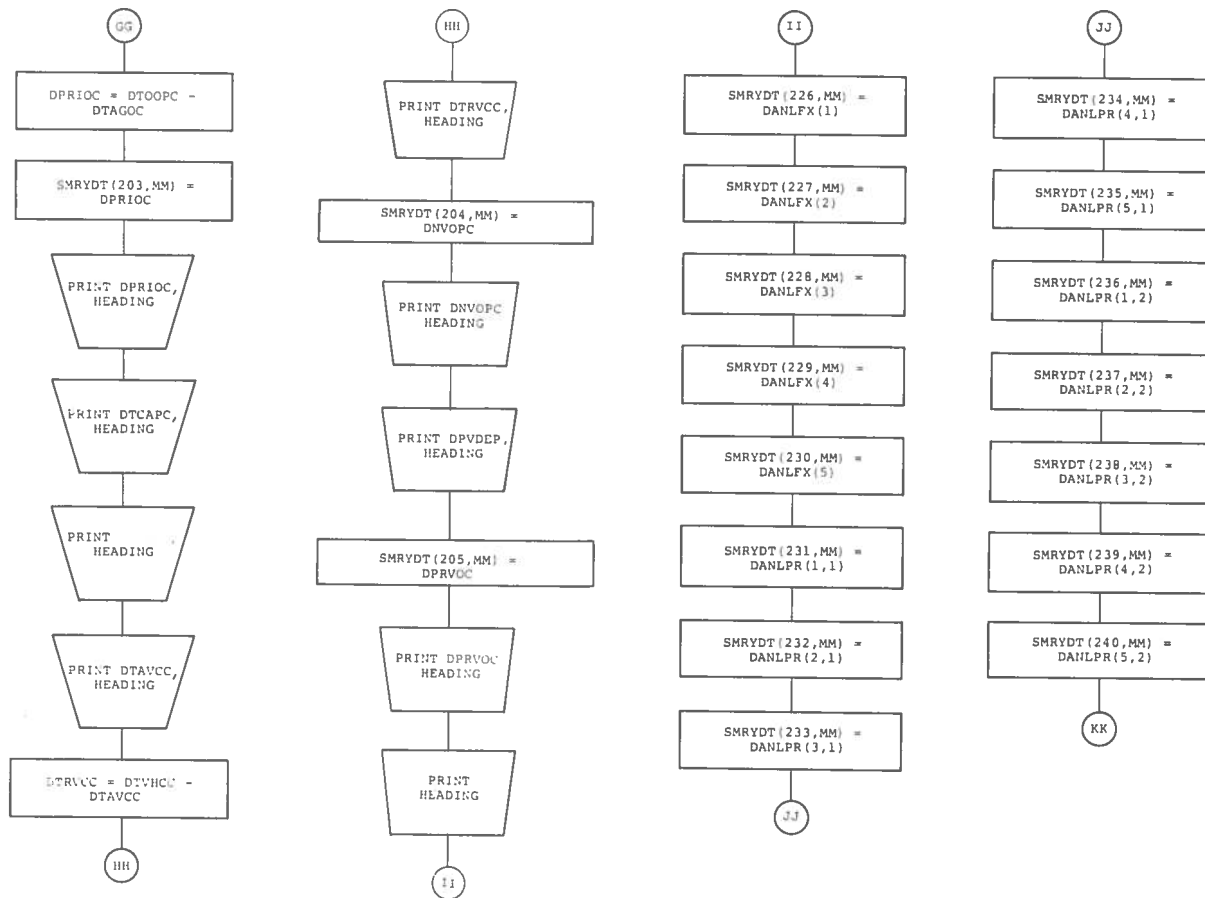


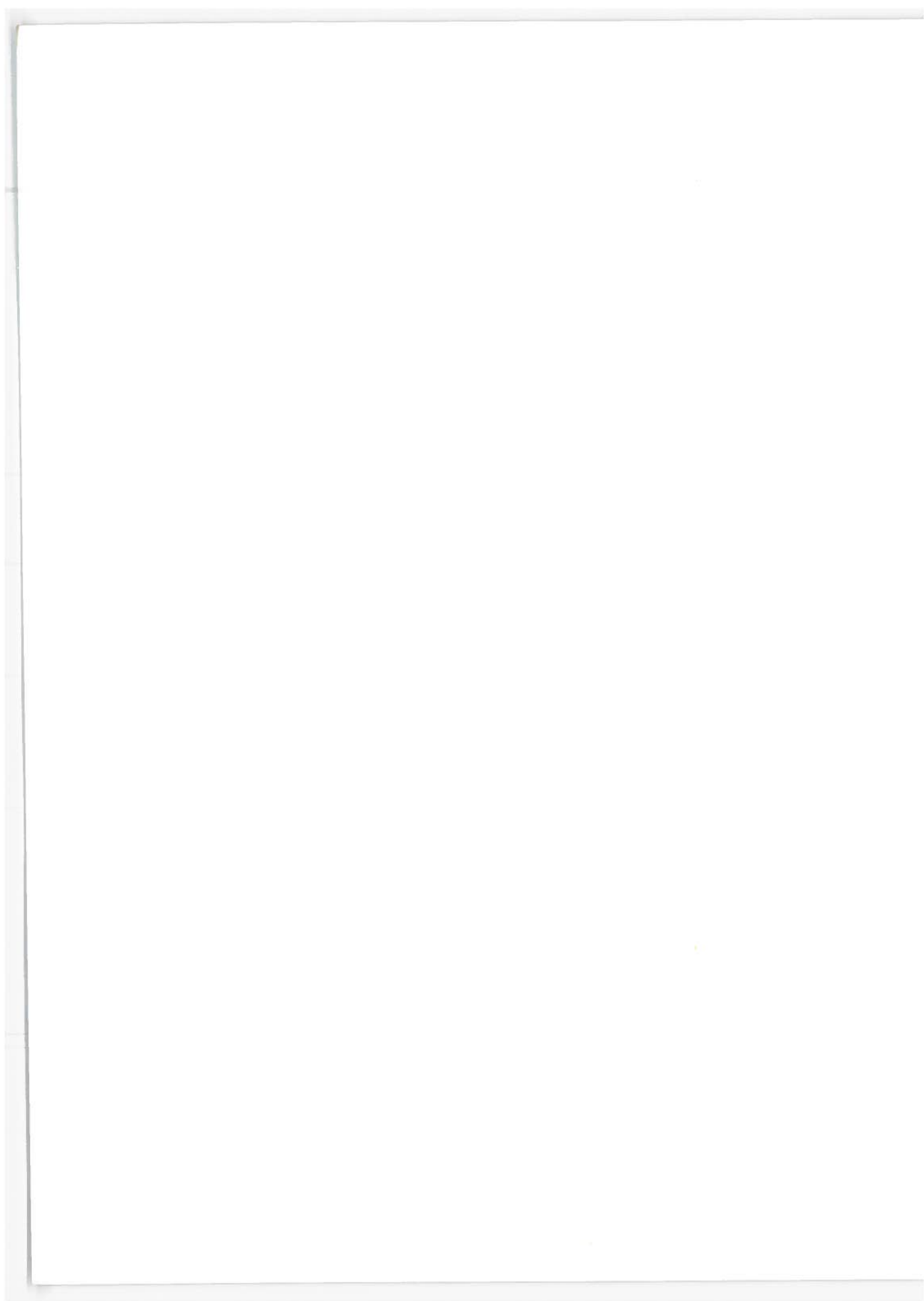












INPUT DATA FROM CARDS

81	011	-011	-013
82	391	391	391
83	303	303	303
84	220	220	220
85	023	023	009
86	762	762	762
87	089	089	089
88	013	-011	-022
89	153	153	089
90	-371	-371	-371
91	117	117	061
92	500	500	500
93	287	-762	014
95	266	266	017
96	638	638	026
97	026	026	015
98	080	080	080
99	375	375	010
100	595	595	021
101	-115	-115	-115
102	444	444	093
103	239	239	015
104	391	391	391
105	020	020	015
106	014	034	081
107	192	192	081
108	389	389	389
109	287	287	083
110	427	427	013
111	264	264	264
112	157	157	064
113	226	226	064
114	-712	-712	084
115	766	766	766
116	533	533	098
117	718	718	384
118	555	555	555
119	217	217	064
120	156	156	036
121	555	555	555
122	383	383	014
123	391	391	051
124	389	393	054
225			

0	0
12 24	36 48
500000	700000
14.20	.64
4.26	.27

[illegible]

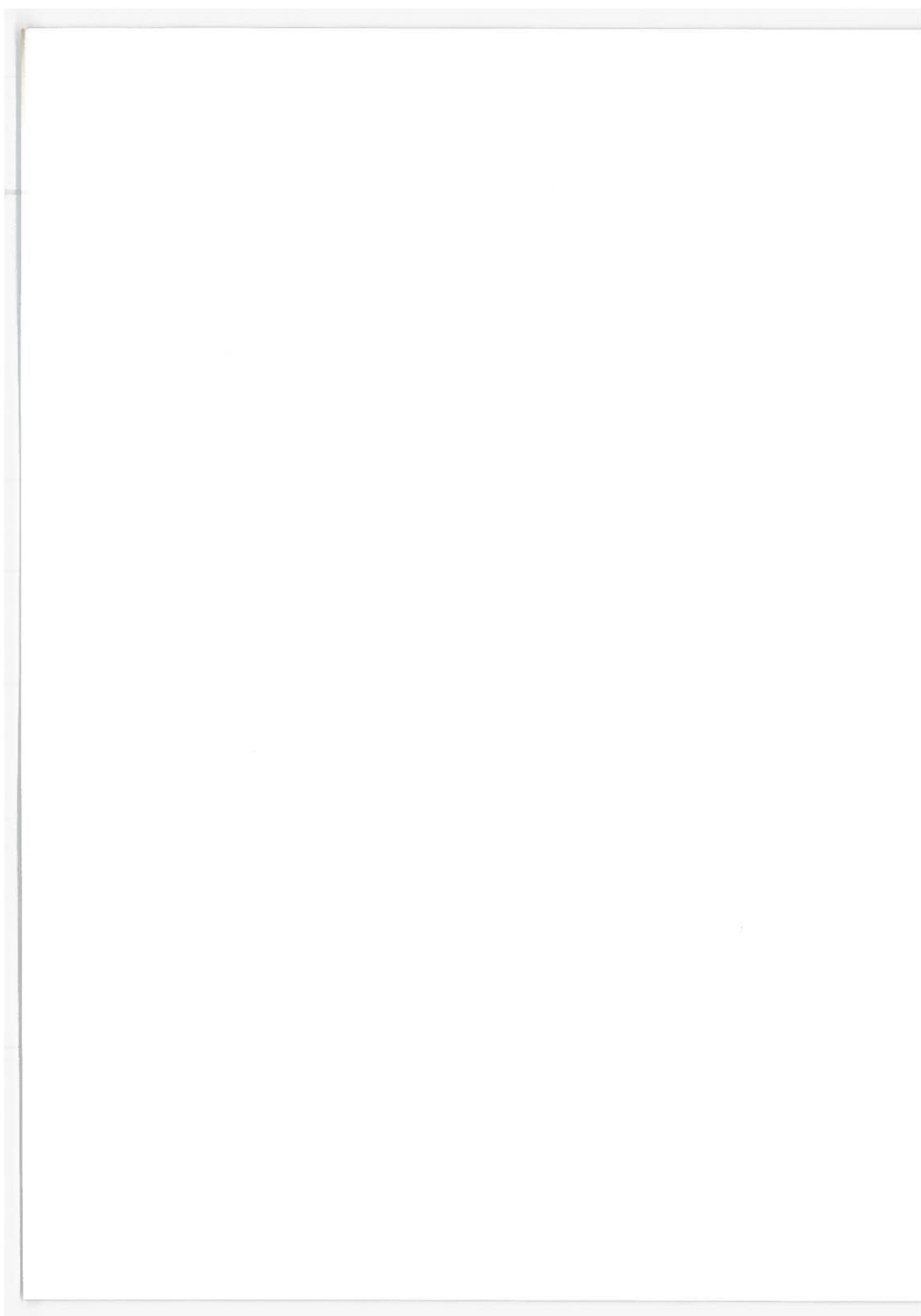
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000	001	002	003	004	005	006	007	008	009	010	011	012	013	014	015	016	017	018	019	020	021	022	023	024	025	026	027	028	029	030	031	032	033	034	035	036	037	038	039	040	041	042	043	044	045	046	047	048	049	050	051	052	053	054	055	056	057	058	059	060	061	062	063	064	065	066	067	068	069	070	071	072	073	074	075	076	077	078	079	080	081	082	083	084	085	086	087	088	089	090	091	092	093	094	095	096	097	098	099

[illegible]

INPUT DATA FROM TAPE 11

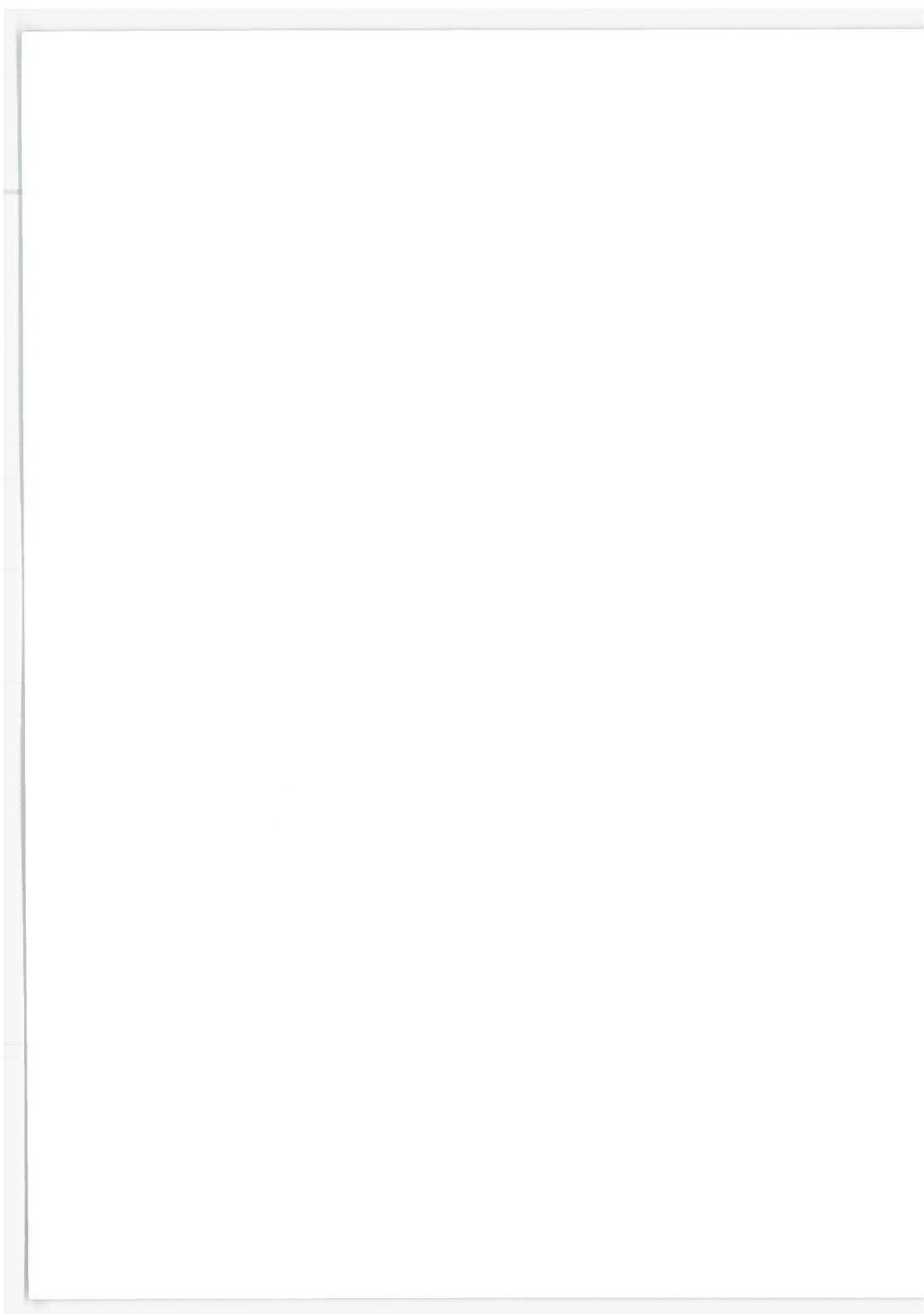
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230	185	1	1	1	10	6	-27	94.00	4
231	105	1	1	1	10	6	-18.8	68.00	1
232	105	1	1	1	10	6	-26	71.00	1
233	107	1	1	1	8	6	-26	71.00	1
234	102	2	1	1	8	6	-26	66.00	1
235	105	1	1	1	10	6	-27	73.00	1
236	188	2	1	1	10	6	-27	73.00	1
237	107	1	1	1	10	6	-26	68.00	1
238	108	4	1	1	8	6	-14.6	66.00	1
239	109	1	1	1	10	1	-14	176.00	5
240	109	1	1	1	10	1	-14	176.00	5
241	110	2	1	1	10	0	-1.75	66.00	1
242	111	1	1	1	10	1	-2	176.00	5
243	111	1	1	1	10	1	-2	176.00	5
244	112	2	1	1	8	6	-12	66.00	1
245	112	1	1	1	10	6	-15.5	66.00	1
246	112	4	1	1	8	6	-15.5	66.00	1
247	113	1	2	2	8	6	-26	95.00	10
248	113	1	2	2	8	6	-11	112.00	10
249	115	1	2	1	10	0	-29	71.00	1
250	116	1	2	1	8	6	-13	71.00	10
251	116	1	2	1	8	6	-13	71.00	10
252	116	1	2	1	8	6	-17	71.00	10
253	117	1	2	1	8	6	-17	71.00	10
254	117	2	2	1	10	0	-27	71.00	10
255	118	1	2	1	8	6	-27	71.00	10
256	118	1	2	1	8	6	-27	71.00	10
257	118	3	2	1	8	6	-27	71.00	10
258	118	4	2	1	10	0	-16	71.00	10
259	119	1	2	1	8	6	-16	71.00	10
260	119	1	2	1	8	6	-1.14	71.00	1
261	119	1	2	1	8	6	-27	71.00	1
262	121	1	2	1	8	6	-27	71.00	1
263	121	2	2	1	8	6	-1.61	71.00	10
264	122	1	2	1	8	6	-1.14	66.00	10
265	122	2	2	1	10	0	-1.14	66.00	10
266	122	3	2	1	8	6	-27	66.00	10
267	123	1	2	1	8	6	-27	66.00	10
268	124	1	2	1	8	6	-16	66.00	10
269	124	2	2	1	8	6	-16	66.00	10
270	124	3	2	1	8	6	-16	66.00	10
271	126	4	2	1	10	0	-20	71.00	10
272	126	4	2	1	8	6	-26	66.00	10
800		1	1	1	1	7	7.00	1.20	100000
1	1	1	1	1	5	9	1.50	1.40	100000
2	2	2	1	10	1	1.20	1.30	100000	
3	2	2	1	10	1	1.20	1.30	100000	
4	2	2	1	10	1	3.50	-26	100000	
5	2	2	1	10	1	3.50	-26	100000	

[illegible]



APPENDIX D

TYPICAL OUTPUT DATA-NEW SYSTEM COST PROGRAM



CITY - ROSTON

BASELINE - DIAL MODE PALLET

THIS IS A FIRST ENGINEERING ESTIMATE RUN

VEHICLE DATA 1

DM VEH. INDEX	VEHICLE CAPACITY PERS./VEH	VEHICLE LOAD FACTOR	LANE CAPACITY VEH./HR	VEHICLE LOADING PERS./VEH
1	A	.24	6000	1.44

ON ON HIGHWAY DESIGN HOUR LINK FLOWS FOR VEHICLE TYPE 1

LINK NO.	DAILY PERSON FLOW (PERS./DAY)	PEAK HOUR FACTOR	PEAK HOUR DIR.	PEAK HOUR PERSON FLOW (PERS./HR.)	PEAK HOUR DIR.	OPP. DIR. PERSON FLOW (PERS./HR.)	PEAK HOUR VEH. FLOW (VEH./HR.)	PEAK HOUR DIR.	OPP. DIR. VEH. FLOW (VEH./HR.)	1 AND COST COST	UNIT LAND COST
1	40711	.10	.40	8411	5526	2885	7045	3837	3757	1	n
2	119700	.09	.47	10893	7331	3582	10359	5091	5240	2	n
3	105800	.10	.77	10674	8262	2412	11297	5737	5560	3	n
4	83852	.09	.70	8165	6344	1821	8948	4496	4342	4	11100
5	89236	.10	.73	9125	7080	2445	9025	4917	4108	5	32200
6	123575	.09	.72	11122	8219	3183	11310	5569	5741	6	74500
7	14302	.10	.43	3533	1682	1671	2519	1293	1280	7	42000
8	20488	.09	.78	8107	6315	1792	8775	4386	4384	8	n
9	32143	.10	.10	3203	2545	686	3584	1781	1723	9	n
10	14734	.07	.75	2501	1886	615	2745	1310	1430	10	n
11	43711	.09	.42	3867	2579	2362	3688	1875	1896	11	n
12	49340	.08	.68	4061	3554	1957	4562	2449	2082	12	n
13	54920	.09	.64	5013	4570	1864	6670	3187	3482	13	n
14	64775	.08	.71	6674	5097	2207	1067	1281	1281	14	n
15	28447	.04	.72	2133	1536	860	6562	3201	3201	15	n
16	71401	.08	.65	5585	4725	782	2027	945	1082	16	n
17	28848	.07	.64	2142	1380	770	6016	3068	3068	17	n
18	48035	.08	.65	5103	4332	2172	4450	2225	2233	18	n
19	47148	.08	.60	5375	3204					19	n
20	37423	.07	.54	2476	1339	1131	1856	930	920	20	n
21	37449	.06	.69	2467	1680	761	2343	1171	1172	21	n
22	38136	.07	.62	2768	1673	1034	2320	1162	1163	22	n
23	37330	.07	.62	2688	1669	1010	2320	1159	1161	23	n
24	26137	.07	.42	1934	1201	733	1688	834	834	24	n

TRACK CHRT = 6 50000 PER LANE MILE

PAVS
TYPE
CODE

STRUCTURAL
COST
(\$/L/H/M)

1 700000
2 3000000
3 1300000
4 700000

NO. OF
LANES

ROADWAY
WIDTH(FT)

1 12
2 24
3 36
4 48
5 60
6 72
7 84
8 96
9 108
10 120
11 132
12 144
13 156
14 168
15 180
16 192

THE BUSINESS-TO-BUSINESS STATISTICS

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176	56.6%																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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LAND ACQUISITION AND MARKET VALUE SUMMARIES BY GEOGRAPHIC AREA- CONSTRUCTION TYPE- AND LAND USE

INFO AREA CODE	CUMS TYPE CODE	LANE CODE	ROUTE LENGTH (MILES)	PERCENT TOTAL	SEGS CONS LAND AREA TYPE CODE	AREA (ACRES)	PRCHT AVER. COST (\$/ACRE)	TOTAL LAND ACRES	PRCHT INVEST COST (\$)	AREA (ACRES)	PRCHT INVEST COST (\$)	TOTAL LAND ACRES	PRCHT INVEST COST (\$)	TOTAL LAND ACRES	PRCHT INVEST COST (\$)
1	1	1	1	0.00	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	2	2.20	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	3	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	4	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	5	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	6	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	7	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	8	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	9	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	10	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	11	2.20	1	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	12	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	13	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	14	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	15	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	16	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	17	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	18	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	19	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	20	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	21	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	22	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	23	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	24	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	25	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	26	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	27	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	28	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	29	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	30	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	31	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	32	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	33	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	34	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	35	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	36	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	37	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	38	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	39	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	40	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	41	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	42	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	43	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	44	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	45	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	46	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	47	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	48	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	49	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	50	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	51	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	52	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	53	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	54	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	55	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	56	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	57	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	58	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	59	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	60	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	61	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	62	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	63	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	64	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	65	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	66	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	67	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	68	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	69	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	70	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	71	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	72	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	73	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	74	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	75	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	76	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	77	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	78	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	79	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	80	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	81	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	82	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	83	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	84	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	85	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	86	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	87	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	88	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	89	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	90	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	91	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	92	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	93	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	94	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	95	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	96	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	97	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	98	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	99	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	100	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	101	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	102	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	103	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	104	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	105	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	106	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	107	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	108	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	109	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	110	0.00	0	1	0.00	0	0	0	0.00	0	0	0	0	0
1	1	111	0.00	0</											

DATE COMPLETED BY REG. AREA= CONSTRUCTION TYPE= AND LAND USE

[illegible]

RESIDENTIAL DIFFUSIONS -- (PENSINS PEN ACNE)

[illegible]

PERSONS AFFECTED BY NOISE FROM THE GUIDEWAY PROPER (NIGHT)

ANNUAL CUSTY TABLE

TOTALS

TERMINAL APCEL RECYL LAMP STATISTICS

TYPE	UNIT NAME	TOTAL COST	TOTAL LIFE INTER- COST YEARS EST	ANNUAL COST WITH INT.	ANNUAL COST WITH INT.	ANNUAL COST WITH INT.	PCT. OF PCT. OF TOTAL COST
LAND	ACRES	74	219025	280 18-00	11707 230935	157 3135	3 0 3
TRUCK	L-4001174	67	31125000	20 18-00	1500250 3055031	50000 50730	40 63 43
STRUCT.	L-4001174	67	40024000	50 18-00	900000 4501003	723077 14000	57 36 54
TOTAL \$		4000000	75000353	240027	8432950	0 0	0 100 100

ACCEL RECYL LAMP ANNUAL COST TABLE

TYPE	UNIT NAME	TOTAL COST	TOTAL LIFE INTER- COST YEARS EST	ANNUAL COST WITH INT.	ANNUAL COST WITH INT.	ANNUAL COST WITH INT.	PCT. OF PCT. OF TOTAL COST
LAND	ACRES	74	219025	280 18-00	11707 230935	157 3135	3 0 3
TRUCK	L-4001174	67	31125000	20 18-00	1500250 3055031	50000 50730	40 63 43
STRUCT.	L-4001174	67	40024000	50 18-00	900000 4501003	723077 14000	57 36 54
TOTAL \$		4000000	75000353	240027	8432950	0 0	0 100 100

ON MAINTENANCE FACILITY STATISTICS

TYPE	UNIT NAME	TOTAL COST	TOTAL LIFE INTER- COST YEARS EST	ANNUAL COST WITH INT.	ANNUAL COST WITH INT.	ANNUAL COST WITH INT.	PCT. OF PCT. OF TOTAL COST
LAND	ACRES	74	219025	280 18-00	11707 230935	157 3135	3 0 3
TRUCK	L-4001174	67	31125000	20 18-00	1500250 3055031	50000 50730	40 63 43
STRUCT.	L-4001174	67	40024000	50 18-00	900000 4501003	723077 14000	57 36 54
TOTAL \$		4000000	75000353	240027	8432950	0 0	0 100 100

ON MAINTENANCE FACILITY STATISTICS

TYPE	UNIT NAME	TOTAL COST	TOTAL LIFE INTER- COST YEARS EST	ANNUAL COST WITH INT.	ANNUAL COST WITH INT.	ANNUAL COST WITH INT.	PCT. OF PCT. OF TOTAL COST
LAND	ACRES	74	219025	280 18-00	11707 230935	157 3135	3 0 3
TRUCK	L-4001174	67	31125000	20 18-00	1500250 3055031	50000 50730	40 63 43
STRUCT.	L-4001174	67	40024000	50 18-00	900000 4501003	723077 14000	57 36 54
TOTAL \$		4000000	75000353	240027	8432950	0 0	0 100 100

CONTROL CENTER ANNUAL COST TABLE

TYPE	UNIT NAME	TOTAL COST	TOTAL LIFE INTER- COST YEARS EST	ANNUAL COST WITH INT.	ANNUAL COST WITH INT.	ANNUAL COST WITH INT.	PCT. OF PCT. OF TOTAL COST
LAND	ACRES	74	219025	280 18-00	11707 230935	157 3135	3 0 3
TRUCK	L-4001174	67	31125000	20 18-00	1500250 3055031	50000 50730	40 63 43
STRUCT.	L-4001174	67	40024000	50 18-00	900000 4501003	723077 14000	57 36 54
TOTAL \$		4000000	75000353	240027	8432950	0 0	0 100 100

MAINTENANCE FACIL. ANNUAL COST TABLE

TYPE	UNIT NAME	TOTAL COST	TOTAL LIFE INTER- COST YEARS EST	ANNUAL COST WITH INT.	ANNUAL COST WITH INT.	ANNUAL COST WITH INT.	PCT. OF PCT. OF TOTAL COST
LAND	ACRES	74	219025	280 18-00	11707 230935	157 3135	3 0 3
TRUCK	L-4001174	67	31125000	20 18-00	1500250 3055031	50000 50730	40 63 43
STRUCT.	L-4001174	67	40024000	50 18-00	900000 4501003	723077 14000	57 36 54
TOTAL \$		4000000	75000353	240027	8432950	0 0	0 100 100

DM CASHIEN COST ANALYSIS SUMMARY TABLE

ROUTEWAY NUMBER	TOTAL COST	ANNUAL COST	PCT. OF TOT.	PCT. OF ANN.	PCT. OF ANN. - TIME
ACCEL./DECEL. LANE	99488874	10008904	39	28	36
LANE	7908333	244527	3	2	3
WAY SIDEWALK	3105501	9978291	4	3	3
DM VEHICLE TRAF.	13465562	6832825	5	6	5
INTERCHANGES	63808888	92408888	24	48	31
TERMINALS	15900176	3408109	6	3	6
CONTR. CONTR.	45588619	18194728	18	9	16
MAINTENANCE FACIL.	12145008	307724	0	0	0
TOTALS	3022288	10111	0	0	0
	247942743	10000342	100	100	100

DM OFF-HIGHWAY LINK CHARACTERISTICS
(ONE-WAY TRAVEL TIME AND DISTANCE)

PVAL-WQF VEHICLE										
1	2	3	4	5	6	7	8	9	10	11
MILES MIN.	MILES MIN.	MILES MIN.	MILES MIN.	MILES MIN.	MILES MIN.	MILES MIN.	MILES MIN.	MILES MIN.	MILES MIN.	MILES MIN.
10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5
16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.5	21.0
21.5	22.0	22.5	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.5
27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0
32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	36.5	37.0	37.5
38.0	38.5	39.0	39.5	40.0	40.5	41.0	41.5	42.0	42.5	43.0
43.5	44.0	44.5	45.0	45.5	46.0	46.5	47.0	47.5	48.0	48.5
49.0	49.5	50.0	50.5	51.0	51.5	52.0	52.5	53.0	53.5	54.0
54.5	55.0	55.5	56.0	56.5	57.0	57.5	58.0	58.5	59.0	59.5
60.0	60.5	61.0	61.5	62.0	62.5	63.0	63.5	64.0	64.5	65.0
65.5	66.0	66.5	67.0	67.5	68.0	68.5	69.0	69.5	70.0	70.5
71.0	71.5	72.0	72.5	73.0	73.5	74.0	74.5	75.0	75.5	76.0
76.5	77.0	77.5	78.0	78.5	79.0	79.5	80.0	80.5	81.0	81.5
82.0	82.5	83.0	83.5	84.0	84.5	85.0	85.5	86.0	86.5	87.0
87.5	88.0	88.5	89.0	89.5	90.0	90.5	91.0	91.5	92.0	92.5
93.0	93.5	94.0	94.5	95.0	95.5	96.0	96.5	97.0	97.5	98.0
98.5	99.0	99.5	100.0	100.5	101.0	101.5	102.0	102.5	103.0	103.5
104.0	104.5	105.0	105.5	106.0	106.5	107.0	107.5	108.0	108.5	109.0
109.5	110.0	110.5	111.0	111.5	112.0	112.5	113.0	113.5	114.0	114.5
115.0	115.5	116.0	116.5	117.0	117.5	118.0	118.5	119.0	119.5	120.0
120.5	121.0	121.5	122.0	122.5	123.0	123.5	124.0	124.5	125.0	125.5
126.0	126.5	127.0	127.5	128.0	128.5	129.0	129.5	130.0	130.5	131.0
131.5	132.0	132.5	133.0	133.5	134.0	134.5	135.0	135.5	136.0	136.5
137.0	137.5	138.0	138.5	139.0	139.5	140.0	140.5	141.0	141.5	142.0
142.5	143.0	143.5	144.0	144.5	145.0	145.5	146.0	146.5	147.0	147.5
148.0	148.5	149.0	149.5	150.0	150.5	151.0	151.5	152.0	152.5	153.0
153.5	154.0	154.5	155.0	155.5	156.0	156.5	157.0	157.5	158.0	158.5
159.0	159.5	160.0	160.5	161.0	161.5	162.0	162.5	163.0	163.5	164.0
164.5	165.0	165.5	166.0	166.5	167.0	167.5	168.0	168.5	169.0	169.5
170.0	170.5	171.0	171.5	172.0	172.5	173.0	173.5	174.0	174.5	175.0
175.5	176.0	176.5	177.0	177.5	178.0	178.5	179.0	179.5	180.0	180.5
181.0	181.5	182.0	182.5	183.0	183.5	184.0	184.5	185.0	185.5	186.0
186.5	187.0	187.5	188.0	188.5	189.0	189.5	190.0	190.5	191.0	191.5
192.0	192.5	193.0	193.5	194.0	194.5	195.0	195.5	196.0	196.5	197.0
197.5	198.0	198.5	199.0	199.5	200.0	200.5	201.0	201.5	202.0	202.5
203.0	203.5	204.0	204.5	205.0	205.5	206.0	206.5	207.0	207.5	208.0
208.5	209.0	209.5	210.0	210.5	211.0	211.5	212.0	212.5	213.0	213.5
214.0	214.5	215.0	215.5	216.0	216.5	217.0	217.5	218.0	218.5	219.0
219.5	220.0	220.5	221.0	221.5	222.0	222.5	223.0	223.5	224.0	224.5
225.0	225.5	226.0	226.5	227.0	227.5	228.0	228.5	229.0	229.5	230.0
230.5	231.0	231.5	232.0	232.5	233.0	233.5	234.0	234.5	235.0	235.5
236.0	236.5	237.0	237.5	238.0	238.5	239.0	239.5	240.0	240.5	241.0
241.5	242.0	242.5	243.0	243.5	244.0	244.5	245.0	245.5	246.0	246.5
247.0	247.5	248.0	248.5	249.0	249.5	250.0	250.5	251.0	251.5	252.0
252.5	253.0	253.5	254.0	254.5	255.0	255.5	256.0	256.5	257.0	257.5
258.0	258.5	259.0	259.5	260.0	260.5	261.0	261.5	262.0	262.5	263.0
263.5	264.0	264.5	265.0	265.5	266.0	266.5	267.0	267.5	268.0	268.5
269.0	269.5	270.0	270.5	271.0	271.5	272.0	272.5	273.0	273.5	274.0
274.5	275.0	275.5	276.0	276.5	277.0	277.5	278.0	278.5	279.0	279.5
280.0	280.5	281.0	281.5	282.0	282.5	283.0	283.5	284.0	284.5	285.0
285.5	286.0	286.5	287.0	287.5	288.0	288.5	289.0	289.5	290.0	290.5
291.0	291.5	292.0	292.5	293.0	293.5	294.0	294.5	295.0	295.5	296.0
296.5	297.0	297.5	298.0	298.5	299.0	299.5	300.0	300.5	301.0	301.5
302.0	302.5	303.0	303.5	304.0	304.5	305.0	305.5	306.0	306.5	307.0
307.5	308.0	308.5	309.0	309.5	310.0	310.5	311.0	311.5	312.0	312.5
313.0	313.5	314.0	314.5	315.0	315.5	316.0	316.5	317.0	317.5	318.0
318.5	319.0	319.5	320.0	320.5	321.0	321.5	322.0	322.5	323.0	323.5
324.0	324.5	325.0	325.5	326.0	326.5	327.0	327.5	328.0	328.5	329.0
329.5	330.0	330.5	331.0	331.5	332.0	332.5	333.0	333.5	334.0	334.5
335.0	335.5	336.0	336.5	337.0	337.5	338.0	338.5	339.0	339.5	340.0
340.5	341.0	341.5	342.0	342.5	343.0	343.5	344.0	344.5	345.0	345.5
346.0	346.5	347.0	347.5	348.0	348.5	349.0	349.5	350.0	350.5	351.0
351.5	352.0	352.5	353.0	353.5	354.0	354.5	355.0	355.5	356.0	356.5
357.0	357.5	358.0	358.5	359.0	359.5	360.0	360.5	361.0	361.5	362.0
362.5	363.0	363.5	364.0	364.5	365.0	365.5	366.0	366.5	367.0	367.5
368.0	368.5	369.0	369.5	370.0	370.5	371.0	371.5	372.0	372.5	373.0
373.5	374.0	374.5	375.0	375.5	376.0	376.5	377.0	377.5	378.0	378.5
379.0	379.5	380.0	380.5	381.0	381.5	382.0	382.5	383.0	383.5	384.0
384.5	385.0	385.5	386.0	386.5	387.0	387.5	388.0	388.5	389.0	389.5
390.0	390.5	391.0	391.5	392.0	392.5	393.0	393.5	394.0	394.5	395.0
395.5	396.0	396.5	397.0	397.5	398.0	398.5	399.0	399.5	400.0	400.5
401.0	401.5	402.0	402.5	403.0	403.5	404.0	404.5	405.0	405.5	406.0
406.5	407.0	407.5	408.0	408.5	409.0	409.5	410.0	410.5	411.0	411.5
412.0	412.5	413.0	413.5	414.0	414.5	415.0	415.5	416.0	416.5	417.0
417.5	418.0	418.5	419.0	419.5	420.0	420.5	421.0	421.5	422.0	422.5
423.0	423.5	424.0	424.5	425.0	425.5	426.0	426.5	427.0	427.5	428.0
428.5	429.0	429.5	430.0	430.5	431.0	431.5	432.0	432.5	433.0	433.5
434.0	434.5	435.0	435.5	436.0	436.5	437.0	437.5	438.0	438.5	439.0
439.5	440.0	440.5	441.0	441.5	442.0	442.5	443.0	443.5	444.0	444.5
445.0	445.5	446.0	446.5	447.0	447.5	448.0	448.5	449.0	449.5	450.0
450.5	451.0	451.5	452.0	452.5	453.0	453.5	454.0	454.5	455.0	455.5
456.0	456.5	457.0	457.5	458.0	458.5	459.0	459.5	460.0	460.5	461.0
461.5	462.0	462.5	463.0	463.5	464.0	464.5	465.0	465.5	466.0	466.5
467.0	467.5	468.0	468.5	469.0	469.5	470.0	470.5	471.0	471.5	472.0
472.5	473.0	473.5	474.0	474.5	475.0	475.5	476.0	476.5	477.0	477.5
478.0	478.5	479.0	479.5	480.0	480.5	481.0	481.5	482.0	482.5	483.0
483.5	484.0	484.5	485.0	485.5	486.0	486.5	487.0	487.5	488.0	488.5
489.0	489.5	490.0	490.5	491.0	491.5	492.0	492.5	493.0	493.5	494.0
494.5	495.0	495.5	496.0	496.5	497.0	497.5	498.0	498.5	499.0	499.5
500.0	500.5	501.0	501.5	502.0	502.5	503.0	503.5	504.0	504.5	505.0
505.5	506.0	506.5	507.0	507.5	508.0	508.5	509.0	509.5	510.0	510.5
511.0	511.5	512.0	512.5	513.0	513.5	514.0	514.5	515.0	515.5	516.0
516.5	517.0	517.5	518.0	518.5	519.0	519.5	520.0	520.5	521.0	521.5
522.0	522.5	523.0	523.5	524.0	524.5	525.0	525.5	526.0	526.5	527.0
527.5	528.0	528.5	529.0	529.5	530.0	530.5	531.0	531.5	532.0	532.5
533.0	533.5	534.0	534.5	535.0	535.5	536.0	536.5	537.0	537.5	538.0
538.5	539.0	539.5	540.0	540.5	541.0	541.5	542.0	542.5	543.0	543.5
544.0	544.5	545.0	545.5	546.0	546.5	547.0	547.5	548.0	548.5	549.0
549.5	550.0	550.5	551.0	551.5	552.0	552.5	553.0	553.5	554.0	554.5
555.0	555.5	556.0	556.5	557.0	557.5	558.0	558.5	559.0	559.5	560.0
560.5	561.0	561.5	562.0	562.5	563.0	563.5	564.0	564.5	565.0	565.5
566.0	566.5	567.0	567.5	568.0	568.5	569.0	569.5	570.0	570.5	571.0
571.5	572.0	572.5	573.0	573.5	574.0	574.5	575.0	575.5	576.0	576.5
577.0	577.5	578.0	578.5	579.0	579.5	580.0	580.5	581.0	581.5	582.0
582.5	583.0	583.5	584.0	584.5	585.0	585.5	586.0	586.5	587.0	587.5
588.0	588.5	589.0	589.5	590.0	590.5	591.0	591.5	592.0	592.5	593.0
593.5	594.0	594.5	595.0	595.5	596.0	596.5	597.0	597.5	598.0	598.5
599.0	599.5	600.0	600.5	601.0	601.5	602.0	602.5	603.0	603.5	604.0
604.5	605.0	605.5	606.0	606.5	607.0	607.5	60			

DUAL-MODE ON-QUIETEST LINK DATA										DUAL-MODE OFF-QUIETEST LINK DATA									
DUAL-MODE ON-QUIETEST LINK					DUAL-MODE OFF-QUIETEST LINK					DUAL-MODE ON-QUIETEST LINK					DUAL-MODE OFF-QUIETEST LINK				
LINE	VEHICLES	WAT	VEHICLES	WAT	DAILY	WAT	LINE	PERSONS	PEAK	OFF-PEAK	PERSONS	WAT	PERSONS	DAILY	PERSONS				
1	14726	21291	677	38718	33239	1101	68289	65746	2510	11745	5884	13552	32681	35844	11957				
2	45776	12711	457	42777	47532	476	42777	47532	476	42777	47532	476	42777	47532	476				
3	42276	11264	1088	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277				
4	42276	11264	1088	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277				
5	42276	11264	1088	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277				
6	42276	11264	1088	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277				
7	42276	11264	1088	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277				
8	42276	11264	1088	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277				
9	42276	11264	1088	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277				
10	42276	11264	1088	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277				
11	42276	11264	1088	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277				
12	42276	11264	1088	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277				
13	42276	11264	1088	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277				
14	42276	11264	1088	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277				
15	42276	11264	1088	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277				
16	42276	11264	1088	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277				
17	42276	11264	1088	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277				
18	42276	11264	1088	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277				
19	42276	11264	1088	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277				
20	42276	11264	1088	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277				
21	42276	11264	1088	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277				
22	42276	11264	1088	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277				
23	42276	11264	1088	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277				
24	42276	11264	1088	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277				
25	42276	11264	1088	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277				
26	42276	11264	1088	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277				
27	42276	11264	1088	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277				
28	42276	11264	1088	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277				
29	42276	11264	1088	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277				
30	42276	11264	1088	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277				
31	42276	11264	1088	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277				
32	42276	11264	1088	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277				
33	42276	11264	1088	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277				
34	42276	11264	1088	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277				
35	42276	11264	1088	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277				
36	42276	11264	1088	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277				
37	42276	11264	1088	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277				
38	42276	11264	1088	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277				
39	42276	11264	1088	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277				
40	42276	11264	1088	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277				
41	42276	11264	1088	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277				
42	42276	11264	1088	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277				
43	42276	11264	1088	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277				
44	42276	11264	1088	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277				
45	42276	11264	1088	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277	42277				
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77																			

[illegible]

87	46%	4691	749	935	1952	391	1529	12845	646
88	44%	355	1333	1167	956	181	782	19317	912
89	44%	7128	295	1122	1025	182	1025	1825	2819
90	42%	22896	1998	1428	36860	1723	8730	98611	58611
91	42%	50444	2016	79126	3847	19360	120760	64546	120760
92	41%	40477	2016	75768	63652	3176	12396	166184	5186
93	40%	12239	7699	19247	1155	1155	12595	31487	1489
94	40%	98024	98024	3626768	156167			4608167	252171
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DUAL-MODE METEORIC SUMMARY DATA

DUAL-MODE BACKHAUL DATA

DUAL-MODE TRIP DATA

DUAL-MODE LOADED VEHICLE DATA

TECHNICAL PARTITION	OFF-CELL	ON-SHUT-DOWN		OFF-SHUT-DOWN		TOTAL	
		UNIT	UNIT	UNIT	UNIT	UNIT	UNIT
REF 2A	1	761,340.0	450.0	197,333.0	96624	453469.0	1,43910
OFF REF 2A							
	1	4,166.71	722.5	308.908	1561.7	713137.0	226352
ON 11.7	1	67161.8	116121	69601.67	292171	1106620.7	37222
NON-REF 2A	1	2515442.04	3543624.5	1664444.080	7565121.5	349986166	111087468

DUAL-MONE PERSON - VEHICLE TRIPS

ON VEHICLE	PEAK PERSON	PEAK VEHICLE	OFF-PEAK PERSON	OFF-PEAK VEHICLE
1	391060	300353	773662	472321

DUAL-MONF AVERAGE TRIP LENGTH , TRIP TIME

ON VEHICLE	TEMPORAL PERIOD	TRIP LENGTH (MILES/TRIP)	PERSON	VEHICLE
	PEAK	15.10		18.86
	OFF PEAK	15.10		15.33
	DAILY	15.10		16.70

TRANSPORT VEHICLE CHARACTERISTICS

TRUCK TYPE	VEHICLE CAPACITY	VEHICLE AVERAGE	VEH. YEAR	VEH. OFF	VEH. YEAR	VEH. OFF	VEH. YEAR	VEH. OFF
			LOAD	LOAD	LOAD	LOAD	LOAD	LOAD
			FACT.	FACT.	FACT.	FACT.	FACT.	FACT.
1	50.0	15.00	.240	.160	986223	12.0	0.0	
2	200.0	20.00	.080	.250	1525235	170.0	50.0	
3	130.0	18.00	.050	.250	124240	110.0	30.5	

TRANSIT IND-IT TWO DELAYS

[illegible]

Fig. 3. $\log_{10}$ β vs. $\log_{10}$ α .

System	Ref	V _{ST}	Ref	V _{ST}	Δ -Ref	Δ -V _{ST}
1	48400010	3530112	1074460	2026113	41813878	2028113
2	45749410	5051070	2288425	28493	70252109	282803
3	11717100	78867	207687	39317	3923565	39237
4	70407440	3404436	6407652	2342636	111706492	2342636

TRANSIT NETWORK ANALYSIS DATA

TRANSIT SYSTEM 1

PEAK	PCT. OF DAY	OFF-PEAK	PCT. OF DAY	DAILY
514533	54.2	451466	45.8	966273
45544	44.1	54461	55.9	181886
37733	44.2	54461	55.9	6734
2878	44.1	74174	55.9	143360
67295	44.9	7104	55.1	6734
2478	44.1	7104	55.9	6734

TRANSIT SYSTEM 2

PEAK	PCT. OF DAY	OFF-PEAK	PCT. OF DAY	DAILY
424694	54.2	600743	45.8	1324535
4664	25.8	13075	74.2	18839
4143	25.8	36977	74.2	7862
243	25.8	800	74.2	23474
10347	44.2	13677	55.8	642
243	25.8	800	74.2	642

TRANSIT SYSTEM 3

PEAK	PCT. OF DAY	OFF-PEAK	PCT. OF DAY	DAILY
6738	54.2	54982	45.8	124246
600	25.8	1751	74.2	2368
311	25.8	315	74.2	682
804	45.4	10781	54.6	19343
34	25.8	81	74.2	131

ALL TRANSIT SYSTEMS

PEAK	PCT. OF DAY	OFF-PEAK	PCT. OF DAY	DAILY
1420765	54.2	1207333	45.8	2636086
5818	48.8	72187	51.2	122265
31730	48.8	66211	51.2	122265
3247	41.6	4568	58.4	7882
176666	45.2	21632	54.8	307208
3247	41.6	4568	58.4	7882

TRANSIT NETWORK ANALYSIS DATA

TRANSIT SYSTEM AND VEHICLE TRIPS

TRANSIT SYSTEM	PERSON	VEHICLE	PERSON	VEHICLE	DAILY	ANNUAL	VEHICLE
1	130773	11356	152490	14946	280963	8668988	912788
2	240242	1578	31730	6147	545652	17565880	237769
3	2244	204	25268	777	43884	14341280	294375

TRANSIT AVERAGE TRIP LENGTH - TRIP TIME

TRANSIT SYSTEM	PERSON	VEHICLE	PERSON	VEHICLE	AVERAGE TRIP LENGTH	AVERAGE TRIP TIME
1	130773	11356	152490	14946	1.4	1.4
2	240242	1578	31730	6147	1.4	1.4
3	2244	204	25268	777	1.4	1.4

TRANSIT SYSTEM AND VEHICLE TRIPS

TRANSIT SYSTEM	PERSON	VEHICLE	PERSON	VEHICLE	DAILY	ANNUAL	VEHICLE
1	130773	11356	152490	14946	280963	8668988	912788
2	240242	1578	31730	6147	545652	17565880	237769
3	2244	204	25268	777	43884	14341280	294375

TRANSIT SYSTEM AND VEHICLE TRIPS

TRANSIT SYSTEM	PERSON	VEHICLE	PERSON	VEHICLE	DAILY	ANNUAL	VEHICLE
1	130773	11356	152490	14946	280963	8668988	912788
2	240242	1578	31730	6147	545652	17565880	237769
3	2244	204	25268	777	43884	14341280	294375

TRANSIT NETWORK ANALYSIS DATA

TRANSIT AVERAGE PWT AND VMT PER HOUR

TRANSIT SYSTEM	PEAK	OFF-PEAK	PEAK	OFF-PEAK	PEAK	OFF-PEAK
1	9080	2584	9080	2584	7424	3137
2	117616	38819	117616	38819	811	776
3	11223	3161	11223	3161	182	97
4	238128	67814	238128	67814	8336	4810

HIGHWAY NETWORK ANALYSIS DATA

TRANSIT SYSTEM	PERSON	VEHICLE	PERSON	VEHICLE	DAILY	ANNUAL	VEHICLE
1	130773	11356	152490	14946	280963	8668988	912788
2	240242	1578	31730	6147	545652	17565880	237769
3	2244	204	25268	777	43884	14341280	294375

TRANSIT SYSTEM AND VEHICLE TRIPS

TRANSIT SYSTEM	PERSON	VEHICLE	PERSON	VEHICLE	DAILY	ANNUAL	VEHICLE
1	130773	11356	152490	14946	280963	8668988	912788
2	240242	1578	31730	6147	545652	17565880	237769
3	2244	204	25268	777	43884	14341280	294375

TRANSIT SYSTEM AND VEHICLE TRIPS

TRANSIT SYSTEM	PERSON	VEHICLE	PERSON	VEHICLE	DAILY	ANNUAL	VEHICLE
1	130773	11356	152490	14946	280963	8668988	912788
2	240242	1578	31730	6147	545652	17565880	237769
3	2244	204	25268	777	43884	14341280	294375

TRANSIT SYSTEM AND VEHICLE TRIPS

TRANSIT SYSTEM	PERSON	VEHICLE	PERSON	VEHICLE	DAILY	ANNUAL	VEHICLE
1	130773	11356	152490	14946	280963	8668988	912788
2	240242	1578	31730	6147	545652	17565880	237769
3	2244	204	25268	777	43884	14341280	294375

TRANSIT SYSTEM AND VEHICLE TRIPS

TRANSIT SYSTEM	PERSON	VEHICLE	PERSON	VEHICLE	DAILY	ANNUAL	VEHICLE
1	130773	11356	152490	14946	280963	8668988	912788
2	240242	1578	31730	6147	545652	17565880	237769
3	2244	204	25268	777	43884	14341280	294375

AUTO NETWORK DATA

DAILY TEMPORAL PERIOD

	FREIGHTS	PCT. OF TOTAL	SURFACE ART.	PCT. OF TOTAL	HIGHWAY	PCT. OF DAY
D-T	557354	25.0	1870763	75.0	22293617	94.6
N-T	387314	25.0	1161987	75.0	15801267	94.6
D-T	187324	10.4	668886	84.6	1056630	81.4
N-T	71197	10.4	458827	89.6	738954	81.4
A-D-T					1254146	59.2
A-D-T					738854	81.4
OFF PEAK TEMPORAL PERIOD						
	FREIGHTS	PCT. OF TOTAL	SURFACE ART.	PCT. OF TOTAL	HIGHWAY	PCT. OF DAY
D-T	4834171	25.0	17962514	75.0	18336885	45.4
N-T	3218174	25.0	9654523	75.0	12817686	45.4
D-T	87120	13.1	577888	86.9	688919	39.6
N-T	42560	13.1	481319	86.9	461819	38.6
A-D-T					1817487	44.8
A-D-T					461819	38.6

AUTO NETWORK DATA

DAILY TEMPORAL PERIOD

	FREIGHTS	PCT. OF TOTAL	SURFACE ART.	PCT. OF TOTAL	HIGHWAY	PCT. OF DAY
D-T	1020425	25.0	3862277	75.0	4882762	100.0
N-T	788488	25.0	21285170	75.0	28333689	100.0
D-T	198444	11.4	1427686	89.6	1726669	100.0
N-T	136697	11.4	1088976	89.6	1197673	100.0
A-D-T					2271686	100.0
A-D-T					1197673	100.0
OFF PEAK TEMPORAL PERIOD						
	FREIGHTS	PCT. OF TOTAL	SURFACE ART.	PCT. OF TOTAL	HIGHWAY	PCT. OF DAY
D-T	388227588	25.0	918683180	75.0	1276891888	100.0
N-T	212644475	25.0	6376441842	75.0	8566167617	100.0
D-T	5935125	11.4	450341702	89.6	517364827	100.0
N-T	41884114	11.4	316292648	89.6	390303963	100.0
A-D-T					681481858	100.0
A-D-T					350301863	100.0

AUTO NETWORK DATA

DAILY TEMPORAL PERIOD

	VEHICLE	FREIGHTS	PCT. OF TOTAL	SURFACE ART.	PCT. OF TOTAL	AVE. TRIP TIME (HOUR)
AUTO	788880	74.2	21288478	74.2	28333689	7.1
TRUCK	1221560	12.6	3864791	12.6	4882321	3.2
TRANSIT	0	0.0	181886	0.4	181886	4.0
NEW VEHICLE	1237837	13.0	3711110	12.6	4882321	3.2
TOTAL	9547187	100.0	28762227	100.0	38286436	7.1

TOTAL HIGHWAY VMT DATA

	VEHICLE	FREIGHTS	PCT. OF TOTAL	SURFACE ART.	PCT. OF TOTAL	AVE. TRIP TIME (HOUR)
AUTO	788880	74.2	21288478	74.2	28333689	7.1
TRUCK	1221560	12.6	3864791	12.6	4882321	3.2
TRANSIT	0	0.0	181886	0.4	181886	4.0
NEW VEHICLE	1237837	13.0	3711110	12.6	4882321	3.2
TOTAL	9547187	100.0	28762227	100.0	38286436	7.1

POWER CONSUMPTION

DM ON-GUIDEWAY VEHICLE DATA

WHEEL	PEAK LBS.	RTU	NUM	OFF-PEAK LBS.	RTU	DAY	LBS.	RTU
1	456314	8 1.55754E+10	5145276	0 1.75689E+10	978897	0 3.31365E+10		
TOTAL	456314	8 1.55754E+10	5145276	0 1.75689E+10	978897	0 3.31365E+10		

DM OFF-GUIDEWAY VEHICLE DATA

WHEEL	WEIGHT	TIME-COEFF	SEND-COEFF	HEIGHT	WIDTH	PUR.CODE
1	4000.0	.015	.500	5.5	6.0	0

DM POWER CONSUMPTION -ON GUIDEWAY

WHEEL	PEAK LBS.	RTU	NUM	OFF-PEAK LBS.	RTU	DAY	LBS.	RTU
1	456314	8 1.55754E+10	5145276	0 1.75689E+10	978897	0 3.31365E+10		
TOTAL	456314	8 1.55754E+10	5145276	0 1.75689E+10	978897	0 3.31365E+10		

DN POWER CONSUMPTION -OFF BUDGDAY

WHEEL	PEAK LBS.	RTU	NUM	OFF-PEAK LBS.	RTU	DAY	LBS.	RTU
1	243754	5.47580E+09	0	389042 5.48064E+09	0	652706 1.36559E+10		
TOTAL	243754	5.47580E+09	0	389042 5.48064E+09	0	652706 1.36559E+10		

TOTAL DN POWER CONSUMPTION

WHEEL	PEAK LBS.	RTU	NUM	OFF-PEAK LBS.	RTU	DAY	LBS.	RTU
1	243754	2.44507E+10	5145276	389042 2.55417E+10	978897	652706 4.61924E+10		
TOTAL	243754	2.44507E+10	5145276	389042 2.55417E+10	978897	652706 4.61924E+10		

DM POWER CONSUMPTION -OFF GUIDEWAY

WHEEL	PEAK LBS.	RTU	NUM	OFF-PEAK LBS.	RTU	DAY	LBS.	RTU
1	281754	5.4758E+09	0	389642	1.7680E+09	0	632766	1.3855E+10
1	281754	5.4758E+09	0	389642	1.7680E+09	0	632766	1.3855E+10
TOTAL								
TOTAL DUE POWER CONSUMPTION								
WHEEL	PEAK LBS.	RTU	NUM	OFF-PEAK LBS.	RTU	DAY	LBS.	RTU
1	456314	8.155754E+10	5145276	389642	1.7680E+09	0	632766	1.3855E+10
101	456314	8.155754E+10	5145276	389642	1.7680E+09	0	632766	1.3855E+10

POWER CONSUMPTION

TRANSIT VEHICLE DATA

WHEEL	PEAK LBS.	RTU	NUM	OFF-PEAK LBS.	RTU	DAY	LBS.	RTU
1	456314	8	1.55754E+10	5145276	0	1.75689E+10	978897	0
TOTAL	456314	8	1.55754E+10	5145276	0	1.75689E+10	978897	0

TRANSIT VEHICLE DATA

WHEEL	PEAK LBS.	RTU	NUM	OFF-PEAK LBS.	RTU	DAY	LBS.	RTU
1	456314	8 1.55754E+10	5145276	0 1.75689E+10	978897	0 3.31365E+10		
TOTAL	456314	8 1.55754E+10	5145276	0 1.75689E+10	978897	0 3.31365E+10		

TRANSIT POWER CONSUMPTION

WHEEL	PEAK LBS.	RTU	NUM	OFF-PEAK LBS.	RTU	DAY	LBS.	RTU
1	3115	0.22110E+08	0	38427	1.48451E+08	W	76533	1.41405E+09
2	3115	0.22110E+08	7110	0	2.43138E+07	10303	0	2.54722E+07
3	3115	0.22110E+08	0	0.95433E+04	0	003	0	2.44008E+08
4	3115	0.22110E+08	0	0.95433E+04	0	003	0	2.44008E+08
TOTAL	3115	0.12920E+08	7110	0.95433E+04	0	11257	76533	1.44400E+09
=100WAT VEHICLE PHASE CONSUMPTION								
WHEEL	PEAK LBS.	RTU	NUM	OFF-PEAK LBS.	RTU	DAY	LBS.	RTU
1	2407955	4.10441E+10	2687649	4.17570E+10	4155864	0.37101E+10	4155864	0.37101E+10
2	301486	0.43177E+10	2722908	5.45827E+10	5738764	1.41776E+11	5738764	1.41776E+11
TOTAL	5111941	1.022777E+11	4610757	9.62151E+10	9924508	1.90492E+11	9924508	1.90492E+11

TRANSIT VEHICLE POWER CONSUMPTION

WHEEL	PEAK LBS.	RTU	NUM	OFF-PEAK LBS.	RTU	DAY	LBS.	RTU
1	456314	8.155754E+10	5145276	0.175689E+10	978897	0.331365E+10		
TOTAL	456314	8.155754E+10	5145276	0.175689E+10	978897	0.331365E+10		

WITH POLLUTION DATA

AMBIT POLLUTION CRISIS															
VEHICLE		ON OFF=SUARY		TRANSMIT		W-TCLF		ON GUIDWAY		TOTAL		OFF GUIDWAY		TOTAL	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0
2	2	2	0	0	0	2	0	0	0	0	0	0	0	0	0
3	3	3	0	0	0	3	0	0	0	0	0	0	0	0	0
4	4	4	0	0	0	4	0	0	0	0	0	0	0	0	0
5	5	5	0	0	0	5	0	0	0	0	0	0	0	0	0
6	6	6	0	0	0	6	0	0	0	0	0	0	0	0	0
7	7	7	0	0	0	7	0	0	0	0	0	0	0	0	0
8	8	8	0	0	0	8	0	0	0	0	0	0	0	0	0
9	9	9	0	0	0	9	0	0	0	0	0	0	0	0	0
10	10	10	0	0	0	10	0	0	0	0	0	0	0	0	0
11	11	11	0	0	0	11	0	0	0	0	0	0	0	0	0
12	12	12	0	0	0	12	0	0	0	0	0	0	0	0	0
13	13	13	0	0	0	13	0	0	0	0	0	0	0	0	0
14	14	14	0	0	0	14	0	0	0	0	0	0	0	0	0
15	15	15	0	0	0	15	0	0	0	0	0	0	0	0	0
16	16	16	0	0	0	16	0	0	0	0	0	0	0	0	0
17	17	17	0	0	0	17	0	0	0	0	0	0	0	0	0
18	18	18	0	0	0	18	0	0	0	0	0	0	0	0	0
19	19	19	0	0	0	19	0	0	0	0	0	0	0	0	0
20	20	20	0	0	0	20	0	0	0	0	0	0	0	0	0
21	21	21	0	0	0	21	0	0	0	0	0	0	0	0	0
22	22	22	0	0	0	22	0	0	0	0	0	0	0	0	0
23	23	23	0	0	0	23	0	0	0	0	0	0	0	0	0
24	24	24	0	0	0	24	0	0	0	0	0	0	0	0	0
25	25	25	0	0	0	25	0	0	0	0	0	0	0	0	0
26	26	26	0	0	0	26	0	0	0	0	0	0	0	0	0
27	27	27	0	0	0	27	0	0	0	0	0	0	0	0	0
28	28	28	0	0	0	28	0	0	0	0	0	0	0	0	0
29	29	29	0	0	0	29	0	0	0	0	0	0	0	0	0
30	30	30	0	0	0	30	0	0	0	0	0	0	0	0	0
31	31	31	0	0	0	31	0	0	0	0	0	0	0	0	0
32	32	32	0	0	0	32	0	0	0	0	0	0	0	0	0
33	33	33	0	0	0	33	0	0	0	0	0	0	0	0	0
34	34	34	0	0	0	34	0	0	0	0	0	0	0	0	0
35	35	35	0	0	0	35	0	0	0	0	0	0	0	0	0
36	36	36	0	0	0	36	0	0	0	0	0	0	0	0	0
37	37	37	0	0	0	37	0	0	0	0	0	0	0	0	0
38	38	38	0	0	0	38	0	0	0	0	0	0	0	0	0
39	39	39	0	0	0	39	0	0	0	0	0	0	0	0	0
40	40	40	0	0	0	40	0	0	0	0	0	0	0	0	0
41	41	41	0	0	0	41	0	0	0	0	0	0	0	0	0
42	42	42	0	0	0	42	0	0	0	0	0	0	0	0	0
43	43	43	0	0	0	43	0	0	0	0	0	0	0	0	0
44	44	44	0	0	0	44	0	0	0	0	0	0	0	0	0
45	45	45	0	0	0	45	0	0	0	0	0	0	0	0	0
46	46	46	0	0	0	46	0	0	0	0	0	0	0	0	0
47	47	47	0	0	0	47	0	0	0	0	0	0	0	0	0
48	48	48	0	0	0	48	0	0	0	0	0	0	0	0	0
49	49	49	0	0	0	49	0	0	0	0	0	0	0	0	0
50	50	50	0	0	0	50	0	0	0	0	0	0	0	0	0
51	51	51	0	0	0	51	0	0	0	0	0	0	0	0	0
52	52	52	0	0	0	52	0	0	0	0	0	0	0	0	0
53	53	53	0	0	0	53	0	0	0	0	0	0	0	0	0
54	54	54	0	0	0	54	0	0	0	0	0	0	0	0	0
55	55	55	0	0	0	55	0	0	0	0	0	0	0	0	0
56	56	56	0	0	0	56	0	0	0	0	0	0	0	0	0
57	57	57	0	0	0	57	0	0	0	0	0	0	0	0	0
58	58	58	0	0	0	58	0	0	0	0	0	0	0	0	0
59	59	59	0	0	0	59	0	0	0	0	0	0	0	0	0
60	60	60	0	0	0	60	0	0	0	0	0	0	0	0	0
61	61	61	0	0	0	61	0	0	0	0	0	0	0	0	0
62	62	62	0	0	0	62	0	0	0	0	0	0	0	0	0
63	63	63	0	0	0	63	0	0	0	0	0	0	0	0	0
64	64	64	0	0	0	64	0	0	0	0	0	0	0	0	0
65	65	65	0	0	0	65	0	0	0	0	0	0	0	0	0
66	66	66	0	0	0	66	0	0	0	0	0	0	0	0	0
67	67	67	0	0	0	67	0	0	0	0	0	0	0	0	0
68	68	68	0	0	0	68	0	0	0	0	0	0	0	0	0
69	69	69	0	0	0	69	0	0	0	0	0	0	0	0	0
70	70	70	0	0	0	70	0	0	0	0	0	0	0	0	0
71	71	71	0	0	0	71	0	0	0	0	0	0	0	0	0
72	72	72	0	0	0	72	0	0	0	0	0	0	0	0	0
73	73	73	0	0	0	73	0	0	0	0	0	0	0	0	0
74	74	74	0	0	0	74	0	0	0	0	0	0	0	0	0
75	75	75	0	0	0	75	0	0	0	0	0	0	0	0	0
76	76	76	0	0	0	76	0	0	0	0	0	0	0	0	0
77	77	77	0	0	0	77	0	0	0	0	0	0	0	0	0
78	78	78	0	0	0	78	0	0	0	0	0	0	0	0	0
79	79	79	0	0	0	79	0	0	0	0	0	0	0	0	0
80	80	80	0	0	0	80	0	0	0	0	0	0	0	0	0
81	81	81	0	0	0	81	0	0	0	0	0	0	0	0	0
82	82	82	0	0	0	82	0	0	0	0	0	0	0	0	0
83	83	83	0	0	0	83	0	0	0	0	0	0	0	0	0
84	84	84	0	0	0	84	0	0	0	0	0	0	0	0	0
85	85	85	0	0	0	85	0	0	0	0	0	0	0	0	0
86	86	86	0	0	0	86	0	0	0	0	0	0	0	0	0
87	87	87	0	0	0	87	0	0	0	0	0	0	0	0	0
88	88	88	0	0	0	88	0	0	0	0	0	0	0	0	0
89	89	89	0	0	0	89	0	0	0	0	0	0	0	0	0
90	90	90	0	0	0	90	0	0	0	0	0	0	0	0	0
91	91	91	0	0	0	91	0	0	0	0	0	0	0	0	0
92	92	92	0	0	0	92	0	0	0	0	0	0	0	0	0
93	93	93	0	0	0	93	0	0	0	0	0	0	0	0	0
94	94	94	0	0	0	94	0	0	0	0	0	0	0	0	0
95	95	95	0	0	0	95	0	0	0	0	0	0	0	0	0
96	96	96	0	0	0	96	0	0	0	0	0	0	0	0	0
97	97	97	0	0	0	97	0	0	0	0	0	0	0	0	0
98	98	98	0	0	0	98	0	0	0	0	0	0	0	0	0
99	99	99	0	0	0	99	0	0	0	0	0	0	0	0	0
100	100	100	0	0	0	100	0	0	0	0	0	0	0	0	0
101	101	101	0	0	0	101	0	0	0	0	0	0	0	0	0
102	102	102	0	0	0	102	0	0	0	0	0	0	0	0	0
103	103	103	0	0	0	103	0	0	0	0	0	0	0	0	0
104	104	104	0	0	0	104	0	0	0	0	0	0	0	0	0
105	105	105	0	0	0	105	0	0	0	0	0	0	0	0	0
106	106	106	0	0	0	106	0	0	0	0	0	0	0	0	0
107	107	107	0	0	0	107	0	0	0	0	0	0	0	0	0
108	108	108	0	0	0	108	0	0	0	0	0	0	0	0	0
109	109	109	0	0	0	109	0	0	0	0	0	0	0	0	0
110	110	110	0	0	0	110	0	0	0	0	0	0	0	0	0
111	111	111	0	0	0	111	0	0	0	0	0	0	0	0	0
112	112	112	0	0	0	112	0	0	0	0	0	0	0	0	0
113	113	113	0	0	0	113	0	0	0	0	0	0	0	0	0
114	114	114	0	0	0	114	0	0	0	0	0	0	0	0	0
115	115	115	0	0	0	115	0	0	0	0	0	0	0	0	0
116	116	116	0	0	0	116	0	0	0	0	0	0	0	0	0
117	117	117	0	0	0	117	0	0	0						

TRANSIT AIR POLLUTION

HIGHWAY ACCIDENT DATA									
DATE		TIME		TYPE		LOCATION		SEVERITY	
DATE	TIME	TYPE	LOCATION	SEVERITY	ACCIDENT	DEATHS	INJURY	PROPERTY DAMAGE	OTHER
1960	10:00	1	100	1	1	1	1	1	1
1961	11:00	2	200	2	2	2	2	2	2
1962	12:00	3	300	3	3	3	3	3	3
1963	13:00	4	400	4	4	4	4	4	4
1964	14:00	5	500	5	5	5	5	5	5
1965	15:00	6	600	6	6	6	6	6	6
1966	16:00	7	700	7	7	7	7	7	7
1967	17:00	8	800	8	8	8	8	8	8
1968	18:00	9	900	9	9	9	9	9	9
1969	19:00	10	1000	10	10	10	10	10	10
1970	20:00	11	1100	11	11	11	11	11	11
1971	21:00	12	1200	12	12	12	12	12	12
1972	22:00	13	1300	13	13	13	13	13	13
1973	23:00	14	1400	14	14	14	14	14	14
1974	24:00	15	1500	15	15	15	15	15	15
1975	25:00	16	1600	16	16	16	16	16	16
1976	26:00	17	1700	17	17	17	17	17	17
1977	27:00	18	1800	18	18	18	18	18	18
1978	28:00	19	1900	19	19	19	19	19	19
1979	29:00	20	2000	20	20	20	20	20	20
1980	30:00	21	2100	21	21	21	21	21	21
1981	31:00	22	2200	22	22	22	22	22	22
1982	32:00	23	2300	23	23	23	23	23	23
1983	33:00	24	2400	24	24	24	24	24	24
1984	34:00	25	2500	25	25	25	25	25	25
1985	35:00	26	2600	26	26	26	26	26	26
1986	36:00	27	2700	27	27	27	27	27	27
1987	37:00	28	2800	28	28	28	28	28	28
1988	38:00	29	2900	29	29	29	29	29	29
1989	39:00	30	3000	30	30	30	30	30	30
1990	40:00	31	3100	31	31	31	31	31	31
1991	41:00	32	3200	32	32	32	32	32	32
1992	42:00	33	3300	33	33	33	33	33	33
1993	43:00	34	3400	34	34	34	34	34	34
1994	44:00	35	3500	35	35	35	35	35	35
1995	45:00	36	3600	36	36	36	36	36	36
1996	46:00	37	3700	37	37	37	37	37	37
1997	47:00	38	3800	38	38	38	38	38	38
1998	48:00	39	3900	39	39	39	39	39	39
1999	49:00	40	4000	40	40	40	40	40	40
2000	50:00	41	4100	41	41	41	41	41	41
2001	51:00	42	4200	42	42	42	42	42	42
2002	52:00	43	4300	43	43	43	43	43	43

HIGHWAY ACCIDENT DATA (AUTOS)				TRANSIT ACCIDENT DATA				TOTAL FATALITIES		
FATAL ACCIDENTS	INJURY ACCIDENTS	#OF ACCIDENTS	TOTAL ACCIDENTS	FATALITIES	INJURIES	TRAFFIC ACCIDENTS	PASSENGER ACCIDENTS		PASSENGER FATALITIES	NON-PASSENGER FATALITIES
EXPRESSWAYS										
PFAS	3.87	7+3	11+28	+10	6+88	3+6A	.48	.01	.88	.88
DEF-EXPAS	2.16	4+15	9+37	+8	10+68	DEF-EXPAS	.99	.00	.88	.88
LOCAL	4.80	1+15	5+27	+10	3+35	LOCAL	.00	.00	.00	.00
DEF-LOCAL	2.16	2+15	7+25	+8	3+35	DEF-LOCAL	.00	.00	.00	.00
SUBUR. ART.	42+53	30+74	532+411	96+45	2828+59	2828+15	540+80	.20	1+99	2+25
SUBUR. ART.										
PFAS	23	26+32	41+72	+28	32+38	TRANSIT SPEC. >	.12	.00	.00	.88
DEF-EXPAS	29	19+12	44+22	+28	36+32	DEF-EXPAS	.37	.00	.88	.88
DEF-LOCAL	30+44	68+14	131+90	+56	101+56	LOCAL	.00	.00	.00	.00
SUBUR. ART.	146+52	275+141	3956+178	187+50	1877+89	TRANSIT SPEC. >	1018+25	26+35	26+35	26+35
EXPRESSWAYS										
PFAS	21	24+10	55+15	+28	38+35	DEF-EXPAS	.06	.00	.88	.88
DEF-EXPAS	23	21+27	70+80	+38	38+35	DEF-LOCAL	.00	.00	.00	.00
LOCAL	198+89	183+122	345+65	+75	72+42	LOCAL	.00	.00	.00	.00
SUBUR. ART.						TRANSIT SPEC. >	30+15	.06	.33	.39
TOTALS										
PFAS						3+1P	2+48	.04	.88	.88
DEF-EXPAS						DEF-EXPAS	2+48	.05	.88	.88
DEF-LOCAL						LOCAL	7+12	.00	.00	.00
SUBUR. ART.						2153+425	1689+27	26+05	2+32	28+18

[illegible]

	TEMPORAL PROFIT	FATAL ACCIDENTS	PASSENGER FATALITIES
HEAR		+0.09	-0.08
OFFER		+0.12	-0.09
RECEIVE		+0.11	+0.11
ABANDON		63.240	63.240
ABANDON			63.240

LOW YEARLY TERMINAL OPERATING COSTS

the effect of the new design was evaluated by comparing the results of the two designs.

IN YEARLY VIEW, APPR. COST ON OFF GULFCELT

QW QUINTWAY YEARLY OPERATING COST

NEW YEARLY YEAR OPERATING COST - 110000

ANNUAL VEHICLE CONTROL CENTER OPERATING COST \$

UM TOTAL, YFARILY GDFUAIJNG CUST = 378017421

[illegible]

DATE	TIME	WIND	WINDSPEED	FLAT	FARE	FLAT	WILEG	DATE
2015	10:20	10:20	10:20	2316	2326	2316	2326	2015
2015	10:20	10:20	10:20	2316	2326	2316	2326	2015

TABLE IS FOR SUMMARY OF THE NEXT ENGINEERING ESTIMATE RUN		
CAPITAL COSTS SECTION:		
1	Wt. of 1 inch	724.000
2	Wt. of 1/2 inch	362.000
3	Wt. of 1/4 inch	181.000
4	Wt. of 1/8 inch	90.500
5	Wt. of 1/16 inch	45.250
6	Wt. of 1/32 inch	22.625
7	Wt. of 1/64 inch	11.312
8	Wt. of 1/128 inch	5.656
9	Wt. of 1/256 inch	2.828
10	Wt. of 1/512 inch	1.414
11	Wt. of 1/1024 inch	.707
12	Wt. of 1/2048 inch	.353
13	Wt. of 1/4096 inch	.177
14	Wt. of 1/8192 inch	.088
15	Wt. of 1/16384 inch	.044
16	Wt. of 1/32768 inch	.022
17	Wt. of 1/65536 inch	.011
18	Wt. of 1/131072 inch	.005
19	Wt. of 1/262144 inch	.003
20	Wt. of 1/524288 inch	.001
21	Wt. of 1/1048576 inch	.000
22	Wt. of 1/2097152 inch	.000
23	Wt. of 1/4194304 inch	.000
24	Wt. of 1/8388608 inch	.000
25	Wt. of 1/16777216 inch	.000
26	Wt. of 1/33554432 inch	.000
27	Wt. of 1/67108864 inch	.000
28	Wt. of 1/134217728 inch	.000
29	Wt. of 1/268435456 inch	.000
30	Wt. of 1/536870912 inch	.000
31	Wt. of 1/1073741824 inch	.000
32	Wt. of 1/2147483648 inch	.000
33	Wt. of 1/4294967296 inch	.000
34	Wt. of 1/8589934592 inch	.000
35	Wt. of 1/17179869184 inch	.000
36	Wt. of 1/34359738368 inch	.000
37	Wt. of 1/68719476736 inch	.000
38	Wt. of 1/137438953472 inch	.000
39	Wt. of 1/274877906944 inch	.000
40	Wt. of 1/549755813888 inch	.000
41	Wt. of 1/1099511627776 inch	.000
42	Wt. of 1/2199023255552 inch	.000
43	Wt. of 1/4398046511104 inch	.000
44	Wt. of 1/8796093022208 inch	.000
45	Wt. of 1/17592186044416 inch	.000
46	Wt. of 1/35184372088832 inch	.000
47	Wt. of 1/70368744177664 inch	.000
48	Wt. of 1/140737488355328 inch	.000
49	Wt. of 1/281474976710656 inch	.000
50	Wt. of 1/562949953421312 inch	.000
51	Wt. of 1/1125899906842624 inch	.000
52	Wt. of 1/2251799813685248 inch	.000
53	Wt. of 1/4503599627370496 inch	.000
54	Wt. of 1/9007199254740992 inch	.000
55	Wt. of 1/18014398509481984 inch	.000
56	Wt. of 1/36028797018963968 inch	.000
57	Wt. of 1/72057594037927936 inch	.000
58	Wt. of 1/144115188075855872 inch	.000
59	Wt. of 1/288230376151711744 inch	.000
60	Wt. of 1/576460752303423488 inch	.000
61	Wt. of 1/1152921504606846976 inch	.000
62	Wt. of 1/2305843009213693952 inch	.000
63	Wt. of 1/4611686018427387904 inch	.000
64	Wt. of 1/9223372036854775808 inch	.000
65	Wt. of 1/18446744073709551616 inch	.000
66	Wt. of 1/36893488147419103232 inch	.000
67	Wt. of 1/73786976294838206464 inch	.000
68	Wt. of 1/147573952589676412928 inch	.000
69	Wt. of 1/295147905179352825856 inch	.000
70	Wt. of 1/590295810358705651712 inch	.000
71	Wt. of 1/1180591620717411303424 inch	.000
72	Wt. of 1/2361183241434822606848 inch	.000
73	Wt. of 1/4722366482869645213696 inch	.000
74	Wt. of 1/9444732965739290427392 inch	.000
75	Wt. of 1/18889465931478580854784 inch	.000
76	Wt. of 1/37778931862957161709568 inch	.000
77	Wt. of 1/75557863725914323419136 inch	.000
78	Wt. of 1/151115727451828646838272 inch	.000
79	Wt. of 1/302231454903657293676544 inch	.000
80	Wt. of 1/604462909807314587353088 inch	.000
81	Wt. of 1/1208925819614629174706176 inch	.000
82	Wt. of 1/2417851639229258349412352 inch	.000
83	Wt. of 1/4835703278458516698824704 inch	.000
84	Wt. of 1/9671406556917033397649408 inch	.000
85	Wt. of 1/19342813113834066795298816 inch	.000
86	Wt. of 1/38685626227668133590597632 inch	.000
87	Wt. of 1/77371252455336267181195264 inch	.000
88	Wt. of 1/154742504910672534362390528 inch	.000
89	Wt. of 1/309485009821345068724781056 inch	.000
90	Wt. of 1/618970019642690137449562112 inch	.000
91	Wt. of 1/1237940039285380274899124224 inch	.000
92	Wt. of 1/2475880078570760549798248448 inch	.000
93	Wt. of 1/4951760157141521099596496896 inch	.000
94	Wt. of 1/9903520314283042199192993792 inch	.000
95	Wt. of 1/19807040628566084398385987584 inch	.000
96	Wt. of 1/39614081257132168796771975168 inch	.000
97	Wt. of 1/79228162514264337593543950336 inch	.000
98	Wt. of 1/158456325028528675187087900672 inch	.000
99	Wt. of 1/316912650057057350374175801344 inch	.000
100	Wt. of 1/633825300114114700748351602688 inch	.000
101	Wt. of 1/1267650600228229401496703205376 inch	.000
102	Wt. of 1/2535301200456458802993406410752 inch	.000
103	Wt. of 1/5070602400912917605986812821504 inch	.000
104	Wt. of 1/10141204801825835211973625643008 inch	.000
105	Wt. of 1/20282409603651670423947251286016 inch	.000
106	Wt. of 1/40564819207303340847894502572032 inch	.000
107	Wt. of 1/81129638414606681695789005144064 inch	.000
108	Wt. of 1/162259276829213363391578010288128 inch	.000
109	Wt. of 1/324518553658426726783156020576256 inch	.000
110	Wt. of 1/649037107316853453566312041152512 inch	.000
111	Wt. of 1/1298074214633706907132624082305024 inch	.000
112	Wt. of 1/2596148429267413814265248164610048 inch	.000
113	Wt. of 1/5192296858534827628530496329220096 inch	.000
114	Wt. of 1/10384593717069655257060992658440192 inch	.000
115	Wt. of 1/20769187434139310514121985316880384 inch	.000
116	Wt. of 1/41538374868278621028243970633760768 inch	.000
117	Wt. of 1/83076749736557242056487941267521536 inch	.000
118	Wt. of 1/166153499473114484112975882535043072 inch	.000
119	Wt. of 1/332306998946228968225951765070086144 inch	.000
120	Wt. of 1/664613997892457936451903530140172288 inch	.000
121	Wt. of 1/1329227995784915872903807060280344576 inch	.000
122	Wt. of 1/2658455991569831745807614120560689152 inch	.000
123	Wt. of 1/5316911983139663491615228241121378304 inch	.000
124	Wt. of 1/10633823966279326983230456482242756608 inch	.000
125	Wt. of 1/21267647932558653966460912964485513216 inch	.000
126	Wt. of 1/42535295865117307932921825928971026432 inch	.000
127	Wt. of 1/85070591730234615865843651857942052864 inch	.000
128	Wt. of 1/170141183460469231731687303715884105728 inch	.000
129	Wt. of 1/340282366920938463463374607431768211456 inch	.000
130	Wt. of 1/680564733841876926926749214863536422912 inch	.000
131	Wt. of 1/1361129467683753853853498429727072845824 inch	.000
132	Wt. of 1/2722258935367507707706996859454145691648 inch	.000
133	Wt. of 1/5444517870735015415413993718908291383296 inch	.000
134	Wt. of 1/10889035741470030830827987437816582766592 inch	.000
135	Wt. of 1/21778071482940061661655974875633165533184 inch	.000
136	Wt. of 1/43556142965880123323311949751266331066368 inch	.000
137	Wt. of 1/87112285931760246646623899502532662132736 inch	.000
138	Wt. of 1/174224571863520493293247799005065324265472 inch	.000
139	Wt. of 1/348449143727040986586495598010130648530944 inch	.000
140	Wt. of 1/696898287454081973172991196020261297061888 inch	.000
141	Wt. of 1/1393796574908163946345982392040522594123776 inch	.000
142	Wt. of 1/2787593149816327892691964784081045188247552 inch	.000
143	Wt. of 1/5575186299632655785383929568162090376495104 inch	.000
144	Wt. of 1/11150372599265311570767859136324180752990208 inch	.000
145	Wt. of 1/22300745198530623141535718272648361505980416 inch	.000
146	Wt. of 1/44601490397061246283071436545296723011960832 inch	.000
147	Wt. of 1/89202980794122492566142873090593446023921664 inch	.000
148	Wt. of 1/178405961588244985132285746181186892047843328 inch	.000
149	Wt. of 1/356811923176489970264571492362373784095686656 inch	.000
150	Wt. of 1/713623846352979940529142984724747568191373312 inch	.000
151	Wt. of 1/1427247692705959881058285969449495136382746624 inch	.000
152	Wt. of 1/2854495385411919762116571938898990272765493248 inch	.000
153	Wt. of 1/5708990770823839524233143877797980545530986496 inch	.000
154	Wt. of 1/11417981541647679048466287755595961091061972992 inch	.000
155	Wt. of 1/22835963083295358096932575511191922182123945984 inch	.000
156	Wt. of 1/45671926166590716193865151022383844364247891968 inch	.000
157	Wt. of 1/91343852333181432387730302044767688728495783936 inch	.000
158	Wt. of 1/182687704666362864775460604089535377456991567872 inch	.000
159	Wt. of 1/365375409332725729550921208179070754913983135744 inch	.000
160	Wt. of 1/730750818665451459101842416358141509827966271488 inch	.000
161	Wt. of 1/1461501637330902918203684832716283019655932542976 inch	.000
162	Wt. of 1/2923003274661805836407369665432566039311865085952 inch	.000
163	Wt. of 1/5846006549323611672814739330865132078623730171904 inch	.000
164	Wt. of 1/11692013098647223345629478661730264157247460343808 inch	.000
165	Wt. of 1/23384026197294446691258957323460528314494920687616 inch	.000
166	Wt. of 1/46768052394588893382517914646921056628989841375232 inch	.000
167	Wt. of 1/93536104789177786765035829293842113257979682750464 inch	.000
168	Wt. of 1/187072209578355573530071658587684226515959365500928 inch	.000
169	Wt. of 1/374144419156711147060143317175368453031918731001856 inch	.000
170	Wt. of 1/748288838313422294120286634350736906063837462003712 inch	.000
171	Wt. of 1/1496577676626844588240573268701473812127674924007424 inch	.000
172	Wt. of 1/2993155353253689176481146537402947624255349848014848 inch	.000
173	Wt. of 1/5986310706507378352962293074805895248510699696029696 inch	.000
174	Wt. of 1/11972621413014756705924586149611790497021399392059392 inch	.000
175	Wt. of 1/23945242826029513411849172299223580994042798784118784 inch	.000
176	Wt. of 1/47890485652059026823698344598447161988085597568237568 inch	.000
177	Wt. of 1/95780971304118053647396689196894323976171195136475136 inch	.000
178	Wt. of 1/191561942608236107294793378393788647952342390272950272 inch	.000
179	Wt. of 1/383123885216472214589586756787577295904684780545900544 inch	.000
180	Wt. of 1/766247770432944429179173513575154591809369561091801088 inch	.000
181	Wt. of 1/1532495540865888858358347027150309183618739122183602176 inch	.000
182	Wt. of 1/3064991081731777716716694054300618367237478244367204352 inch	.000
183	Wt. of 1/6129982163463555433433388108601236734474956488734408704 inch	.000
184	Wt. of 1/12259964326927110866866776217202473468949912977468817408 inch	.000
185	Wt. of 1/24519928653854221733733552434404946937899825954937634816 inch	.000
186	Wt. of 1/49039857307708443467467104868809893875799651909875269632 inch	.000
187	Wt. of 1/98079714615416886934934209737619787751599303819750539264 inch	.000
188	Wt. of 1/196159429230833773869868419475239575503198607639501078528 inch	.000
189	Wt. of 1/392318858461667547739736838950479151006397215279002157056 inch	.000
190	Wt. of 1/784637716923335095479473677900958302012794430558004314112 inch	.000
191	Wt. of 1/1569275433846670190958947355801916604025588861116008628224 inch	.000
192	Wt. of 1/3138550867693340381917894711603833208051177722232017256448 inch	.000
193	Wt. of 1/6277101735386680763835789423207666416102355444464034512896 inch	.000
194	Wt. of 1/12554203470773361527671578846415332832204710888928069025792 inch	.000
195	Wt. of 1/25108406941546723055343157692830665664409421777856138051584 inch	.000
196	Wt. of 1/50216813883093446110686315385661331328818843555712276103168 inch	.000
197	Wt. of 1/100433627766186892221372630771322662657637687111424552206336 inch	.000
198		

7	TOTAL WHITE MILES	286,000
8	TOTAL LOW MILES	117,025
9	CAPACITY TYPE 1	330,261
10	% OF VFA-TYPE1	6.000
11	VFA, CAPACITY TYPE 1	6,000
12	VFA, LOC-CT, TYPE 1	.000
13	% OF VFA-TYPE2	.000
14	VFA, CAPACITY-TYPE2	.000
15	VFA, LOC-CT, TYPE 2	.000
16	% OF VFA-TYPE3	.000

18	TRUCK COST	5/1/1981
19	1981 GMC 1500	50000-000
20	1981 GMC 1500	70000-000
21	1981 GMC 1500	70000-000
22	1981 GMC 1500	70000-000
23	1981 GMC 1500	70000-000
24	1981 GMC 1500	70000-000
25	1981 GMC 1500	70000-000
26	1981 GMC 1500	70000-000
27	1981 GMC 1500	70000-000
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97	1981 GMC 1500	70000-000
98	1981 GMC 1500	70000-000
99	1981 GMC 1500	70000-000
100	1981 GMC 1500	70000-000

[illegible][illegible]

LOW DEFECT CURN. FAULTS				LOCAL CAPITAL FACTOR = 0.10			
FLAT MILITARY DATE PAUSE				STRUCTURE			
% DEF	% VPM	% DEF	% DEF	% DEF	% VPM	% DEF	% DEF
INDEX	CONF	CONF	CONF	CONF	CONF	CONF	CONF
1	3	1	3	20119279	20119279	20119279	20119279
				TOTAL ANNUAL REVENUE			
				TOTAL REVENUE = 430843011			

[illegible]

TOTAL ANNUAL ON CAPITAL COST (WITH INTEREST)	=	299331866
TOTAL ANNUAL PUBLIC ON CAPITAL COST (WITH INTEREST)	=	299331866
TOTAL ANNUAL PRIVATE ON CAPITAL COST (WITH INTEREST)	=	0
TOTAL ANNUAL ON OPERATING COST	=	378077621
TOTAL ANNUAL PUBLIC ON OPERATING COST	=	251261893
TOTAL ANNUAL PRIVATE ON OPERATING COST	=	

TOTAL ANNUAL, <i>net</i> CAPITAL COST (EXCLUDING VEHICLES)	=	284640075
TOTAL ANNUAL, <i>net</i> VEHICLE CAPITAL COST (WITH INTEREST)	=	92460800
TOTAL ANNUAL, <i>net</i> VEHICLE CAPITAL COST (WITH INTEREST)	=	92460800
TOTAL ANNUAL, <i>net</i> PRIVATE VEHICLE CAPITAL COST (WITH INTEREST)	=	0
TOTAL ANNUAL, <i>net</i> NON-VEHICLE OPERATING COST	=	24917500
TOTAL ANNUAL, <i>net</i> VEHICLE APPRECIATION	=	0

ANNUAL SURVEY ON FIRM FINANCIAL PERFORMANCE AND PROFIT PER LOCAL CAPITAL FACTOR

LOC GRP FACTORY	LOCAL AGENCY ANN. EXPEND.	FLAT RATE ANN. PROF. TANN.	FLAT RATE MISCELL. AGENT PROPERTY
5.00	251261897	-19455545	-40717006
+1.00	201192070	-45318972	-76247272
+1.00	200000000	-32000000	-32000000
+1.00	200000000	-19672000	-19672000
5.00	555662759	-218761629	-344610955

THE BEST ENGINEERING ESTIMATE HUN

ADDITIONAL READING

3	WATER SUPPLY	120,000
4	WATER SUPPLY	270,000
5	WATER SUPPLY	270,000
6	WATER SUPPLY	270,000
7	WATER SUPPLY	270,000
8	WATER SUPPLY	270,000
9	WATER SUPPLY	270,000
10	WATER SUPPLY	270,000
11	WATER SUPPLY	270,000
12	WATER SUPPLY	270,000
13	WATER SUPPLY	270,000
14	WATER SUPPLY	270,000
15	WATER SUPPLY	270,000
16	WATER SUPPLY	270,000
17	WATER SUPPLY	270,000
18	WATER SUPPLY	270,000
19	WATER SUPPLY	270,000
20	WATER SUPPLY	270,000
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22	WATER SUPPLY	270,000
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25	WATER SUPPLY	270,000
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36	WATER SUPPLY	270,000
37	WATER SUPPLY	270,000
38	WATER SUPPLY	270,000
39	WATER SUPPLY	270,000
40	WATER SUPPLY	270,000
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42	WATER SUPPLY	270,000
43	WATER SUPPLY	270,000
44	WATER SUPPLY	270,000
45	WATER SUPPLY	270,000
46	WATER SUPPLY	270,000
47	WATER SUPPLY	270,000
48	WATER SUPPLY	270,000
49	WATER SUPPLY	270,000
50	WATER SUPPLY	270,000

CAPITAL COST SECTION

41	TOTAL HW CAP. COST \$	257447257.014
42	TOTAL HW ACC \$/YR	290161863.721
43	TOTAL HW, ACC \$/YR	290311863.721
44	TOTAL HW, ACC \$/YR	0.000
45	BIFFWAY ACC \$/YR	145631856.124
46	INTERCHANGE ACC \$/YR	144845254.823
47	TERMINAL ACC \$/YR	47550262.385
48	LAND \$/YR	4632944.575
49	CONTROL CEN ACC \$/YR	1258104.000
50	VARMS ACC \$/YR	9078201.187
51	MAINT FACIL ACC \$/YR	328457.745
52	WAY FAC ACC \$/YR	14851821.480
53	VFH, TYPE1 ACC \$/YR	9266000.513
54	VFH, TYPE2 ACC \$/YR	0.000
55	VFH, TYPE3 ACC \$/YR	0.000
56	TOTAL VFH, ACC \$/YR	9266000.513
57		0.000
58		0.000
59		0.000
60		0.000
61		0.000
62		0.000
63		0.000
64		0.000
65	BIFFWAY CAP. \$	999460874.182
66	INTERCHANGES CAP. \$	144801750.000
67	TERMINALS CAP. \$	465586353.359
68	LAND LINES CAP. \$	78508353.000
69	CONTROL CENTER CAP. \$	12145000.000
70	VARMS CAP. \$	93461580.000
71	MAINT FACIL CAP. \$	3622200.000
72	WAY FAC CAP. \$	134805027.273
73	VFH, TYPE1 CAP. \$	91080000.000
74	VFH, TYPE2 CAP. \$	0.000
75	VFH, TYPE3 CAP. \$	0.000
76	TOTAL VFH, CAP. \$	630800000.000
77	TOTAL LAND CAP. \$	82567559.178
78	STRUCTURES CAP. \$	116933688.000
79	TRACE CAP. \$	55812511.384
80		0.000

DUAL HWY, HIGHWAY, AND TRANSIT NETWORK DATA

81	HWY-1 DAILY PMT	17455649.180
82	HWY-1 DAILY A-DPT	474396.085
83	HWY-1 DAILY VMT	12964096.556
84	HWY-1 DAILY A-VMT	392323.379
85	HWY-1 ANNUAL A-DPT	5271646753.998
86	HWY-1 ANNUAL A-VMT	207314000.600
87	HWY-1 ANNUAL PMT	3871227174.194
88	HWY-1 ANNUAL A-VMT	117697013.660
89	HWY-1 DAILY PMT	0.000
90	HWY-1 DAILY A-DPT	0.000
91	HWY-1 DAILY VMT	0.000
92	HWY-1 DAILY A-VMT	0.000
93	HWY-1 ANNUAL PMT	0.000
94	HWY-1 ANNUAL A-DPT	0.000
95	HWY-1 ANNUAL A-VMT	0.000
96	HWY-1 ANNUAL PMT	0.000
97	HWY-1 ANNUAL A-DPT	0.000
98	HWY-1 ANNUAL A-VMT	0.000
99	HWY-1 ANNUAL PMT	1166722.000
100	HWY-1 ANNUAL A-DPT	772674.426
101	HWY-1 ANNUAL A-VMT	349616000.000
102	HWY-1 ANNUAL PMT	23182237.780
103	HWY-1 ANNUAL A-DPT	-0.000
104	HWY-1 ANNUAL A-VMT	0.000
105	HWY-1 ANNUAL PMT	-0.000
106	HWY-1 ANNUAL A-DPT	-0.000
107	HWY-1 ANNUAL A-VMT	0.000
108	HWY-1 ANNUAL PMT	16.000
109	HWY-1 ANNUAL A-DPT	34.741
110	HWY-1 ANNUAL A-VMT	0.000
111	HWY-1 ANNUAL PMT	243600.000
112	HWY-1 ANNUAL A-DPT	122204.195
113	HWY-1 ANNUAL A-VMT	397908.307
114	HWY-1 ANNUAL PMT	79482040.000
115	HWY-1 ANNUAL A-DPT	74661638.470
116	HWY-1 ANNUAL A-VMT	119164623.167
117	HWY-1 ANNUAL PMT	234203.000
118	HWY-1 ANNUAL A-DPT	22444.000
119	HWY-1 ANNUAL A-VMT	274725700.000
120	HWY-1 ANNUAL PMT	24.643

OPERATING COST SECTION

121	HWY-1 HWY COST \$/YR	493140731.250
122	HWY-1 HWY COST \$/YR	740013534.516
123	HWY-1 HWY COST \$/YR	1402061265.708
124	HWY-1 HWY COST \$/YR	4775000.000
125	HWY-1 HWY COST \$/YR	12144005.230
126	HWY-1 HWY COST \$/YR	24042095.230
127	HWY-1 HWY COST \$/YR	1717006361.000
128	HWY-1 HWY COST \$/YR	98.777
129	HWY-1 HWY COST \$/YR	1.223
130	HWY-1 HWY COST \$/YR	0.000
131	HWY-1 HWY COST \$/YR	0.000
132	HWY-1 HWY COST \$/YR	15150850.837
133	HWY-1 HWY COST \$/YR	15150850.837
134	HWY-1 HWY COST \$/YR	14000.000
135	HWY-1 HWY COST \$/YR	4500.000
136	HWY-1 HWY COST \$/YR	20000.000
137	HWY-1 HWY COST \$/YR	10000.000
138	HWY-1 HWY COST \$/YR	70631201.075
139	HWY-1 HWY COST \$/YR	2364120.797
140	HWY-1 HWY COST \$/YR	4003910.488
141	HWY-1 HWY COST \$/YR	3906100.990
142	HWY-1 HWY COST \$/YR	19000.000
143	HWY-1 HWY COST \$/YR	4900.000
144	HWY-1 HWY COST \$/YR	2700000.000
145	HWY-1 HWY COST \$/YR	100000.000
146	HWY-1 HWY COST \$/YR	1445708.275
147	HWY-1 HWY COST \$/YR	175536.024
148	HWY-1 HWY COST \$/YR	401356.788
149	HWY-1 HWY COST \$/YR	455448.766
150	HWY-1 HWY COST \$/YR	14000.000
151	HWY-1 HWY COST \$/YR	4500.000
152	HWY-1 HWY COST \$/YR	521000.000
153	HWY-1 HWY COST \$/YR	20000.000
154	HWY-1 HWY COST \$/YR	3574830.588
155	HWY-1 HWY COST \$/YR	48568330.538
156	HWY-1 HWY COST \$/YR	82.954
157	HWY-1 HWY COST \$/YR	29.699
158	HWY-1 HWY COST \$/YR	7.347
159	HWY-1 HWY COST \$/YR	0.000
160	HWY-1 HWY COST \$/YR	0.000

DUAL HWY, HIGHWAY, AND TRANSIT NETWORK DATA

121	HWY-1 HWY COST \$/YR	50.793
122	HWY-1 HWY COST \$/YR	53.103
123	HWY-1 HWY COST \$/YR	17.601
124	HWY-1 HWY COST \$/YR	24.057
125	HWY-1 HWY COST \$/YR	44826702.000
126	HWY-1 HWY COST \$/YR	24353950.722
127	HWY-1 HWY COST \$/YR	7271603.527
128	HWY-1 HWY COST \$/YR	1197673.211
129	HWY-1 HWY COST \$/YR	12240012000.000
130	HWY-1 HWY COST \$/YR	8904107014.667
131	HWY-1 HWY COST \$/YR	61119566.000
132	HWY-1 HWY COST \$/YR	349301963.338
133	HWY-1 HWY COST \$/YR	204204.540
134	HWY-1 HWY COST \$/YR	41919566.000
135	HWY-1 HWY COST \$/YR	24353950.722
136	HWY-1 HWY COST \$/YR	44826702.000
137	HWY-1 HWY COST \$/YR	101005.672
138	HWY-1 HWY COST \$/YR	44826702.000
139	HWY-1 HWY COST \$/YR	39294433.761
140	HWY-1 HWY COST \$/YR	8554107014.667
141	HWY-1 HWY COST \$/YR	166440303.611
142	HWY-1 HWY COST \$/YR	30301701.075
143	HWY-1 HWY COST \$/YR	14444444000.230
144	HWY-1 HWY COST \$/YR	11444444000.230
145	HWY-1 HWY COST \$/YR	8400376.000
146	HWY-1 HWY COST \$/YR	26444444000.000
147	HWY-1 HWY COST \$/YR	4.003
148	HWY-1 HWY COST \$/YR	15.367
149	HWY-1 HWY COST \$/YR	41051449.180
150	HWY-1 HWY COST \$/YR	44266676.423
151	HWY-1 HWY COST \$/YR	1055667.000
152	HWY-1 HWY COST \$/YR	1831434753.000
153	HWY-1 HWY COST \$/YR	3070072976.042
154	HWY-1 HWY COST \$/YR	304700100.000
155	HWY-1 HWY COST \$/YR	5.572
156	HWY-1 HWY COST \$/YR	18.368
157	HWY-1 HWY COST \$/YR	0.000
158	HWY-1 HWY COST \$/YR	0.000
159	HWY-1 HWY COST \$/YR	0.000
160	HWY-1 HWY COST \$/YR	0.000

OPERATING COST SECTION

201	ANNUAL PW OPER. CUST	370017420.910
202	ANNUAL PW OPER. CUST	241261893.051
203	ANNUAL PW OPER. CUST	118755527.058
204	ANNUAL PW OPER. CUST	24517500.455
205	ANNUAL PW OPER. CUST	118755527.058
206	ANNUAL PW OPER. CUST	345400920.455
207	ANNUAL PW OPER. CUST	0.000
208	ANNUAL PW OPER. CUST	0.000
209	ANNUAL PW OPER. CUST	345400920.455
210	ANNUAL PW OPER. CUST	3550000.000
211	ANNUAL PW OPER. CUST	10052550.455
212	ANNUAL PW OPER. CUST	1110000.000
213	ANNUAL PW OPER. CUST	400000.000
214	ANNUAL PW OPER. CUST	100000.000
215	ANNUAL PW OPER. CUST	0.000
216	ANNUAL PW OPER. CUST	0.000
217	ANNUAL PW OPER. CUST	0.000
218	ANNUAL PW OPER. CUST	0.000
219	ANNUAL PW OPER. CUST	0.000
220	ANNUAL PW OPER. CUST	0.000
221	ANNUAL PW OPER. CUST	0.000
222	ANNUAL PW OPER. CUST	0.000
223	ANNUAL PW OPER. CUST	0.000
224	ANNUAL PW OPER. CUST	0.000
225	ANNUAL PW OPER. CUST	0.000
226	ANNUAL PW OPER. CUST	251261893.051
227	ANNUAL PW OPER. CUST	251192070.423
228	ANNUAL PW OPER. CUST	341052452.167
229	ANNUAL PW OPER. CUST	430843811.206
230	ANNUAL PW OPER. CUST	550501750.772
231	ANNUAL PW OPER. CUST	-19459505.271
232	ANNUAL PW OPER. CUST	-40307971.044
233	ANNUAL PW OPER. CUST	-100256120.388
234	ANNUAL PW OPER. CUST	-199048083.504
235	ANNUAL PW OPER. CUST	-318761428.902
236	ANNUAL PW OPER. CUST	-40713686.226
237	ANNUAL PW OPER. CUST	-76647872.611
238	ANNUAL PW OPER. CUST	-139058245.356
239	ANNUAL PW OPER. CUST	-220298804.472
240	ANNUAL PW OPER. CUST	-146019540.940

INDIRECT BENEFITS AND COSTS

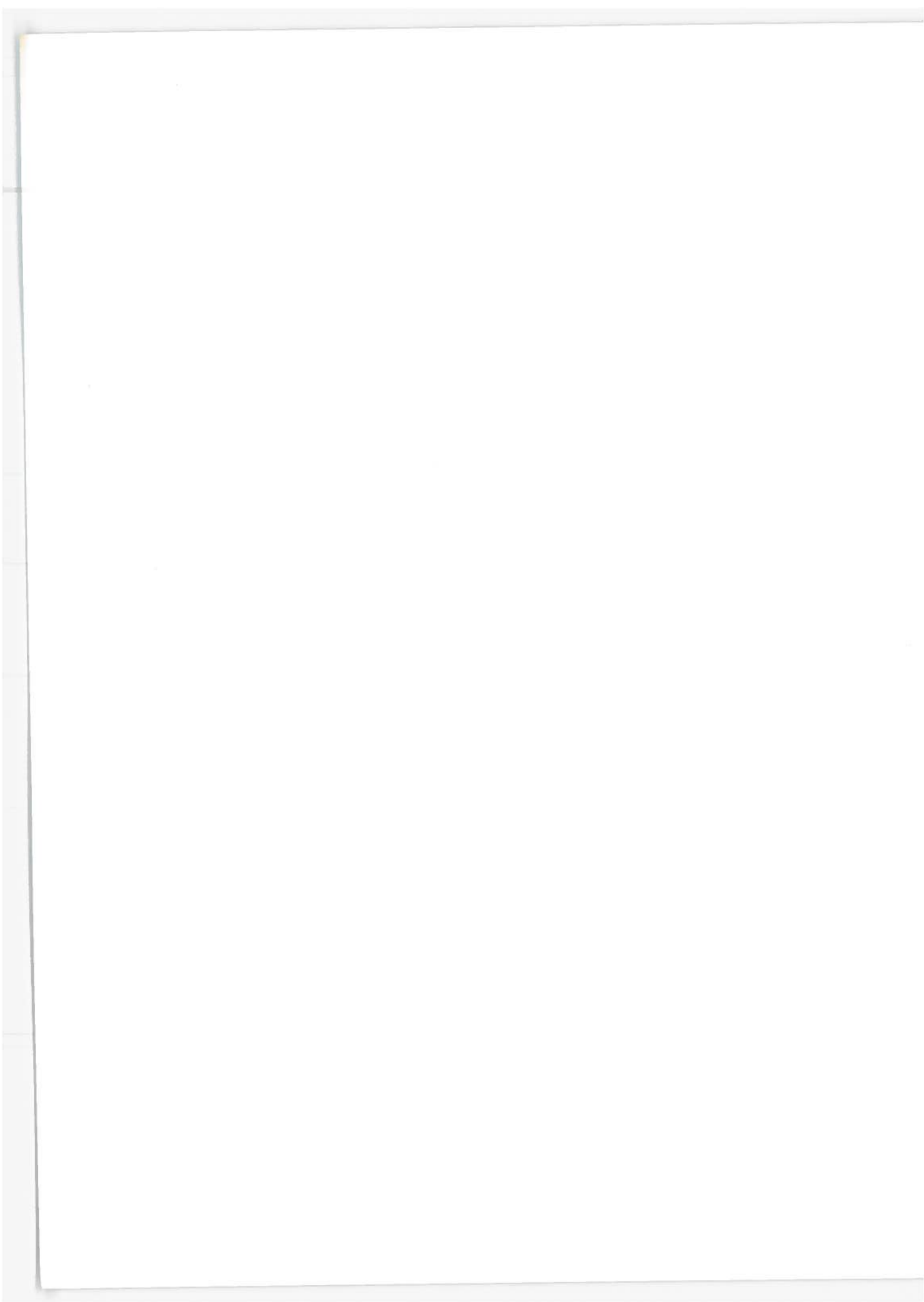
241	ANNUAL PW OPER. CUST	11256.752
242	ANNUAL PW OPER. CUST	10532.527
243	ANNUAL PW OPER. CUST	144000000.000
244	ANNUAL PW OPER. CUST	0024500.135
245	ANNUAL PW OPER. CUST	19841198200.759
246	ANNUAL PW OPER. CUST	0788007.051
247	ANNUAL PW OPER. CUST	452700.000
248	ANNUAL PW OPER. CUST	4619237227.303
249	ANNUAL PW OPER. CUST	210200.155
250	ANNUAL PW OPER. CUST	0.000
251	ANNUAL PW OPER. CUST	14000.070
252	ANNUAL PW OPER. CUST	177.777
253	ANNUAL PW OPER. CUST	14.760
254	ANNUAL PW OPER. CUST	252017.321
255	ANNUAL PW OPER. CUST	000500.032
256	ANNUAL PW OPER. CUST	4100240.574
257	ANNUAL PW OPER. CUST	0.000
258	ANNUAL PW OPER. CUST	4220421.000
259	ANNUAL PW OPER. CUST	53333.225
260	ANNUAL PW OPER. CUST	4430.799
261	ANNUAL PW OPER. CUST	75075100.217
262	ANNUAL PW OPER. CUST	204170040.702
263	ANNUAL PW OPER. CUST	44803.016
264	ANNUAL PW OPER. CUST	224.004
265	ANNUAL PW OPER. CUST	21005.000
266	ANNUAL PW OPER. CUST	2153.420
267	ANNUAL PW OPER. CUST	70.901
268	ANNUAL PW OPER. CUST	7902.000
269	ANNUAL PW OPER. CUST	10.916
270	ANNUAL PW OPER. CUST	63.250
271	ANNUAL PW OPER. CUST	4.273
272	ANNUAL PW OPER. CUST	7960.123
273	ANNUAL PW OPER. CUST	44.100
274	ANNUAL PW OPER. CUST	0.000
275	ANNUAL PW OPER. CUST	0.000
276	ANNUAL PW OPER. CUST	0.000
277	ANNUAL PW OPER. CUST	0.000
278	ANNUAL PW OPER. CUST	0.000
279	ANNUAL PW OPER. CUST	0.000
280	ANNUAL PW OPER. CUST	0.000

INDIRECT BENEFITS AND COSTS

281	ANNUAL PW OPER. CUST	1090.010
282	ANNUAL PW OPER. CUST	74400.514
283	ANNUAL PW OPER. CUST	82567550.176
284	ANNUAL PW OPER. CUST	5004000.202
285	ANNUAL PW OPER. CUST	0.000
286	ANNUAL PW OPER. CUST	0.000
287	ANNUAL PW OPER. CUST	0.000
288	ANNUAL PW OPER. CUST	0.000
289	ANNUAL PW OPER. CUST	0.000
290	ANNUAL PW OPER. CUST	52.004
291	ANNUAL PW OPER. CUST	92.001
292	ANNUAL PW OPER. CUST	4.203
293	ANNUAL PW OPER. CUST	0.000
294	ANNUAL PW OPER. CUST	7.104
295	ANNUAL PW OPER. CUST	43.345
296	ANNUAL PW OPER. CUST	47.386
297	ANNUAL PW OPER. CUST	87.005
298	ANNUAL PW OPER. CUST	0.000
299	ANNUAL PW OPER. CUST	4330.262
300	ANNUAL PW OPER. CUST	35210.900
301	ANNUAL PW OPER. CUST	1835.001
302	ANNUAL PW OPER. CUST	344.411
303	ANNUAL PW OPER. CUST	2874.440
304	ANNUAL PW OPER. CUST	16511.990
305	ANNUAL PW OPER. CUST	18100.543
306	ANNUAL PW OPER. CUST	37100.073
307	ANNUAL PW OPER. CUST	0.000
308	ANNUAL PW OPER. CUST	0.000
309	ANNUAL PW OPER. CUST	0.000
310	ANNUAL PW OPER. CUST	0.000
311	ANNUAL PW OPER. CUST	18280.143
312	ANNUAL PW OPER. CUST	147010.392
313	ANNUAL PW OPER. CUST	08500.420
314	ANNUAL PW OPER. CUST	14400.002
315	ANNUAL PW OPER. CUST	11211.044
316	ANNUAL PW OPER. CUST	49220.781
317	ANNUAL PW OPER. CUST	75470.457
318	ANNUAL PW OPER. CUST	155910.002
319	ANNUAL PW OPER. CUST	0.000
320	ANNUAL PW OPER. CUST	0.000

APPENDIX E

PROGRAM LISTING-HIGHWAY-TRANSIT COST PROGRAM



NULCASE 06/10/72

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MULCASE
PROGRAM LENGTH INCLUDING I/O BUFFERS
004137

FUNCTION ASSIGNMENTS

STATEMENT ASSIGNMENTS
10 - 000001 C0 - 000007 25 - 000033 C6 - 000039
20 - 000005

BLOCK NAMES AND LENGTHS
0001 - 000121 PWHI - 000001 SHWY - 000222

VARIABLE ASSIGNMENTS
AUTOM - 00001C01 NAMEAM - 000005C01 HPNAME - 000550C02 IPANT - 000072
000000C03 ANDHMS - 00001C01 HPNAME - 000000C01 NULIN - 000077
000070 NAMECTM - 00001C01 NAMEUL - 000000C01 SECHAN - 00001C04
NULIN - 000000C01 INCDAN - 00001C01 ANDATA - 001331C01 APINIP - 000210C01
SUNDAT - 000000C01 INCDAN - 00001C01 ANDATA - 001331C01 APINIP - 000210C01
000000C02

START OF CONSTANTS
000050

START OF TEMPORARILY
000005

START OF INDIRECTS
000007

UNION COMPILER SPARE
131000

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[illegible][illegible]

ACAP 160
ACAP 167
ACAP 168
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ACAP 251
ACAP 252

06/30/12

46/10/72
ACAP 276
ACAP 277
ACAP 278
ACAP 279
ACAP 280
ACAP 281
ACAP 282
ACAP 283
ACAP 284
ACAP 285
ACAP 286
ACAP 287
ACAP 288
ACAP 289
ACAP 290
ACAP 291
ACAP 292

[illegible][illegible]

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RUN VERSION 2.3 -m=8 LEVEL 2=0-1                                     TMCN22                06/30/72

001511      DO J30 K=1,N1
001512      330 HEAD DO J1 ATPCOU1(J1,K=1,N1,J1,J1)
001513      ACAP2221
001514      DO J40 K=1,N1
001515      ACAP2222
001516      DO J40 K=1,N1
001517      ACAP2224
001518      340 ATPCOU1(J1,K=1,N1,ATPCOU1(J1,K=1,N1))
001519      CALL COMBUT(11,J1,K=1,N1,ATPCOU1,PCCOU1)
001520      ACAP2226
001521      C-----ACAP2227
001522      IF J1=1,N1,N1=1
001523      ACAP2228
001524      3 TRANSIT PAKING CONSTRUCTION COST OUTPUT TABLES.
001525      DO J40 K=1,N1
001526      ACAP2229
001527      DO J40 K=1,N1
001528      ACAP2231
001529      342 CALL OUTPUT2(12,K=1,N1,K=20,COL11=8,3,ATPKV5=H0PCF1,ATPCOU1=J1,
001530      H0APC2=2,TITLE11=K=1,TITLE11=K=1)
001531      ACAP2232
001532      C-----ACAP2233
001533      11 CONTINUE
001534      ACAP2234
001535      DO J40 K=1,N1
001536      ACAP2235
001537      N1 = J40-1
001538      ACAP2236
001539      PRINT 0
001540      ACAP2237
001541      001000 DO J40 L=1,N1
001542      ACAP2238
001543      TUN175(J40,K)=COL11(J40,L)+J1,J40
001544      ACAP2240
001545      TCO175(J40,K)=J1,J40,L+J1,J40
001546      ACAP2241
001547      TUN175(J40,K)=TUN175(J40,K)+J1,J40
001548      ACAP2242
001549      TCO175(J40,K)=TCO175(J40,K)+J1,J40
001550      ACAP2243
001551      TUN175(J40,K)=TUN175(J40,K)+J1,J40
001552      ACAP2244
001553      TCO175(J40,K)=TCO175(J40,K)+J1,J40
001554      ACAP2245
001555      3 SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001556      ACAP2246
001557      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001558      ACAP2247
001559      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001560      ACAP2248
001561      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001562      ACAP2249
001563      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001564      ACAP2250
001565      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001566      ACAP2251
001567      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001568      ACAP2252
001569      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001570      ACAP2253
001571      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001572      ACAP2254
001573      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001574      ACAP2255
001575      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001576      ACAP2256
001577      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001578      ACAP2257
001579      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001580      ACAP2258
001581      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001582      ACAP2259
001583      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001584      ACAP2260
001585      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001586      ACAP2261
001587      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001588      ACAP2262
001589      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001590      ACAP2263
001591      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001592      ACAP2264
001593      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001594      ACAP2265
001595      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001596      ACAP2266
001597      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001598      ACAP2267
001599      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001600      ACAP2268
001601      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001602      ACAP2269
001603      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001604      ACAP2270
001605      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001606      ACAP2271
001607      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001608      ACAP2272
001609      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001610      ACAP2273
001611      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001612      ACAP2274
001613      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001614      ACAP2275
001615      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001616      ACAP2276
001617      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001618      ACAP2277
001619      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001620      ACAP2278
001621      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001622      ACAP2279
001623      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001624      ACAP2280
001625      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001626      ACAP2281
001627      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001628      ACAP2282
001629      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001630      ACAP2283
001631      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001632      ACAP2284
001633      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001634      ACAP2285
001635      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001636      ACAP2286
001637      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001638      ACAP2287
001639      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001640      ACAP2288
001641      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001642      ACAP2289
001643      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001644      ACAP2290
001645      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001646      ACAP2291
001647      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001648      ACAP2292
001649      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001650      ACAP2293
001651      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001652      ACAP2294
001653      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001654      ACAP2295
001655      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001656      ACAP2296
001657      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001658      ACAP2297
001659      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001660      ACAP2298
001661      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001662      ACAP2299
001663      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001664      ACAP2300
001665      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001666      ACAP2301
001667      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001668      ACAP2302
001669      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001670      ACAP2303
001671      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001672      ACAP2304
001673      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001674      ACAP2305
001675      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001676      ACAP2306
001677      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001678      ACAP2307
001679      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001680      ACAP2308
001681      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001682      ACAP2309
001683      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001684      ACAP2310
001685      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001686      ACAP2311
001687      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001688      ACAP2312
001689      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001690      ACAP2313
001691      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001692      ACAP2314
001693      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001694      ACAP2315
001695      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001696      ACAP2316
001697      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001698      ACAP2317
001699      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001700      ACAP2318
001701      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001702      ACAP2319
001703      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001704      ACAP2320
001705      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001706      ACAP2321
001707      SUMAT(J40,K)=SUMAT(J40,K)+J1,J40
001708      ACAP2322
001709      SUMAT(J40,K)=
```

[illegible]

STANT OF CONSTANTS
001754

STANT OF TEMPERATURE
003027

04-138-133

		DECUA1				06/18/2015	
	#	10M	10M	10M	10M	10M	ACAP2161
	#	10M	3PAC55,10M	TUT, 10M	10M	10M	ACAP2304
	#	10M	10M	TUT, 10M	COST	10M	ACAP2305
000000	#	DATA U/10M	10M	10M	10M	10M	ACAP2306
	#	DATA U/10M	10M	10M	10M	10M	ACAP2307
	#	DATA U/10M	10M	10M	10M	10M	ACAP2308
	#	DATA U/10M	10M	10M	10M	10M	ACAP2309
	#	DATA U/10M	10M	10M	10M	10M	ACAP2310
	#	DATA U/10M	10M	10M	10M	10M	ACAP2311
	#	DATA U/10M	10M	10M	10M	10M	ACAP2312
	#	DATA U/10M	10M	10M	10M	10M	ACAP2313
	#	DATA U/10M	10M	10M	10M	10M	ACAP2314
	#	DATA U/10M	10M	10M	10M	10M	ACAP2315
	#	DATA U/10M	10M	10M	10M	10M	ACAP2316
	#	DATA U/10M	10M	10M	10M	10M	ACAP2317
	#	DATA U/10M	10M	10M	10M	10M	ACAP2318
	#	DATA U/10M	10M	10M	10M	10M	ACAP2319
	#	DATA U/10M	10M	10M	10M	10M	ACAP2320
	#	DATA U/10M	10M	10M	10M	10M	ACAP2321
	#	DATA U/10M	10M	10M	10M	10M	ACAP2322
	#	DATA U/10M	10M	10M	10M	10M	ACAP2323
	#	DATA U/10M	10M	10M	10M	10M	ACAP2324
	#	DATA U/10M	10M	10M	10M	10M	ACAP2325
	#	DATA U/10M	10M	10M	10M	10M	ACAP2326
	#	DATA U/10M	10M	10M	10M	10M	ACAP2327
	#	DATA U/10M	10M	10M	10M	10M	ACAP2328
	#	DATA U/10M	10M	10M	10M	10M	ACAP2329
	#	DATA U/10M	10M	10M	10M	10M	ACAP2330
	#	DATA U/10M	10M	10M	10M	10M	ACAP2331
	#	DATA U/10M	10M	10M	10M	10M	ACAP2332
	#	DATA U/10M	10M	10M	10M	10M	ACAP2333
	#	DATA U/10M	10M	10M	10M	10M	ACAP2334
	#	DATA U/10M	10M	10M	10M	10M	ACAP2335
	#	DATA U/10M	10M	10M	10M	10M	ACAP2336
	#	DATA U/10M	10M	10M	10M	10M	ACAP2337
	#	DATA U/10M	10M	10M	10M	10M	ACAP2338
	#	DATA U/10M	10M	10M	10M	10M	ACAP2339
	#	DATA U/10M	10M	10M	10M	10M	ACAP2340
	#	DATA U/10M	10M	10M	10M	10M	ACAP2341
	#	DATA U/10M	10M	10M	10M	10M	ACAP2342
	#	DATA U/10M	10M	10M	10M	10M	ACAP2343
	#	DATA U/10M	10M	10M	10M	10M	ACAP2344
	#	DATA U/10M	10M	10M	10M	10M	ACAP2345
	#	DATA U/10M	10M	10M	10M	10M	ACAP2346
	#	DATA U/10M	10M	10M	10M	10M	ACAP2347
	#	DATA U/10M	10M	10M	10M	10M	ACAP2348
	#	DATA U/10M	10M	10M	10M	10M	ACAP2349
	#	DATA U/10M	10M	10M	10M	10M	ACAP2350
	#	DATA U/10M	10M	10M	10M	10M	ACAP2351
	#	DATA U/10M	10M	10M	10M	10M	ACAP2352
	#	DATA U/10M	10M	10M	10M	10M	ACAP2353
	#	DATA U/10M	10M	10M	1		

[illegible][illegible]

06/30/72

OUTPT111
OUTPT112
OUTPT113
OUTPT114
OUTPT115
OUTPT117
OUTPT118
OUTPT119
OUTPT120
OUTPT121
OUTPT122
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OUTPT158
OUTPT159
OUTPT160
OUTPT161
OUTPT162
OUTPT163
OUTPT164
OUTPT165

```

UTMUT1      06/28/72

5           - 001222
J0          - 001077
501         - 002190
505         - 002126
504         - 002155

I  EULN      - 000550C01
I  CUL7      - 002553
I  TUMUT     - 000802
I  LA        - 002211
I  LS        - 002245
I  L3        - 002241
I  NUMT      - 002252
I  S1        - 002234
I  UNIF      - 000800

```

[illegible]

06/30/72

OUTPT256
OUTPT257
OUTPT258
OUTPT259
OUTPT260
OUTPT261
OUTPT262
OUTPT263
OUTPT264
OUTPT265
OUTPT266
OUTPT267
OUTPT268
OUTPT269
OUTPT270
OUTPT271
OUTPT272
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OUTPT305
OUTPT306
OUTPT307
OUTPT308
OUTPT309
OUTPT310

06/30/72

[illegible]

06/30/22

[illegible]

ANMLD 57
ANMLD 58
ANMLD 59
ANMLD 60
ANMLD 61
ANMLD 62
ANMLD 63
ANMLD 64
ANMLD 65
ANMLD 66
ANMLD 67
ANMLD 68
ANMLD 69
ANMLD 70
ANMLD 71
ANMLD 72
ANMLD 73
ANMLD 74
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ANMLD101
ANMLD102
ANMLD103
ANMLD104
ANMLD105
ANMLD106
ANMLD107
ANMLD108
ANMLD109
ANMLD110

041513

[illegible]

ANNM	2
ANNM	3
ANNM	4
ANNM	5
ANNM	6
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ANNM	28
ANNM	29
ANNM	30
ANNM	31
ANNM	32
ANNM	33

RUN VERSION 2.3 --PCB LEVEL 240--

ANNSUM 06/30/72

ANNSUM
SUBPROGRAM LENGTH
000256
FUNCTION ASSIGNMENTS
STATEMENT ASSIGNMENTS
1 = 000111 2 = 000177 101 = 000178 102 = 000179
103 = 000177 104 = 000177
BLOCK NAMES AND LENGTHS
MD2 = 000034
VARIABLE ASSIGNMENTS
DASH = 000240 HEAD = 00000001 L = 000256 UNIT = 000256
NS = 000253
START OF CONSTANTS
000107
START OF TEMPORARIES
000224
START OF INDIRECTS
000231
UNUSED COMPILER SPACE
127000

RUN VERSION 2.3 --PCB LEVEL 240--

06/30/72

FORTRAN VI SUBROUTINE TITLES (IAX,IV,JV,MV)
TITLE 2
TITLE 3
TITLE 4
TITLE 5
TITLE 6
TITLE 7
TITLE 8
TITLE 9
TITLE 10
TITLE 11
TITLE 12
TITLE 13
TITLE 14
TITLE 15
TITLE 16
TITLE 17
TITLE 18
TITLE 19
TITLE 20
TITLE 21
TITLE 22
TITLE 23
TITLE 24
TITLE 25
TITLE 26
TITLE 27
TITLE 28
TITLE 29
TITLE 30
TITLE 31
TITLE 32
TITLE 33
TITLE 34
TITLE 35
TITLE 36

RUN VERSION 2.3 --PCB LEVEL 240--

TITLES 06/30/72

TITLES
SUBPROGRAM LENGTH
000120
FUNCTION ASSIGNMENTS
STATEMENT ASSIGNMENTS
40 = 000104 50 = 000007 60 = 000050 70 = 000071
BLOCK NAMES AND LENGTHS
TL = 000120 IN = 000000
VARIABLE ASSIGNMENTS
I = 000000000 JALP = 000115 INH = 000110 IN5 = 000117
II = 000000000 J = 000000000 J1 = 000000000 M = 000000000
M1 = 000000000 TITLE = 000000000 TITLE1 = 000000000 TITLE2 = 000000000
TITLE3 = 000000000
START OF CONSTANTS
000110
START OF TEMPORARIES
000110
START OF INDIRECTS
000117
UNUSED COMPILER SPACE
130100

RUN VERSION 2.3 --PCB LEVEL 240--

06/30/72

FORTRAN VI SUBROUTINE COMPUTE(I,J,M,N) UNIT,ITEMS,PCCODE
COMPUT 2
COMPUT 3
COMPUT 4
COMPUT 5
COMPUT 6
COMPUT 7
COMPUT 8
COMPUT 9
COMPUT 10
COMPUT 11
COMPUT 12
COMPUT 13
COMPUT 14
COMPUT 15
COMPUT 16
COMPUT 17
COMPUT 18
COMPUT 19
COMPUT 20
COMPUT 21
COMPUT 22
COMPUT 23
COMPUT 24
COMPUT 25
COMPUT 26
COMPUT 27
COMPUT 28
COMPUT 29
COMPUT 30
COMPUT 31
COMPUT 32
COMPUT 33
COMPUT 34
COMPUT 35
COMPUT 36
COMPUT 37
COMPUT 38

86/30/72

MULT	2
MULT	3
MULT	4
MULT	5
MULT	6
MULT	7
MULT	8
MULT	9
MULT	10
MULT	11
MULT	12
MULT	13
MULT	14

06/30/12

```

00001J  SUM(I,1) AVE=SUM(I,1:J)/SUM(I,1:J)
00001I  AVE(I,1)=AVE(I)
00001I  I=I+1 IF I=J+1 THEN I=1 SUM=SUM(I,1)+AVE(I,1) SUM(I,1)=SUM(I)
C
C
AVE=AVE(I,1)/SUM(I,1) IN A COLUMN
C
00001J  DO J=N+1,N
00001I  IF I=1 THEN I=J+1 ELSE J=J+1 GO TO 73
00002I  I=I+1 IF I=J+1 THEN I=1 SUM=SUM(I,1)+AVE(I,1) SUM(I,1)=SUM(I)
00001I  GO TO 74
71 CONTINUE
C
00001J  70 CONTINUE
C
AVE=AVE(I,1)/SUM(I,1) IN A ROW
C
00001J  DO J=N+1,N
00001I  DO I=N+1,N
00002I  IF I=1 THEN I=J+1 ELSE I=I+1 GO TO 73
00003I  I=I+1 IF I=J+1 THEN I=1 SUM=SUM(I,1)+AVE(I,1) SUM(I,1)=SUM(I)
00004I  GO TO 74
73 I=I+1 IF I=J+1 THEN I=1
00001I  72 CONTINUE
C
AVE=AVE(I,1)/SUM(I,1) FORWARD AVERAGE
C
00001J  DO J=N+1,N
00001I  IF I=1 THEN I=J+1 ELSE I=I+1 GO TO 73
00002I  I=I+1 IF I=J+1 THEN I=1 SUM=SUM(I,1)+AVE(I,1) SUM(I,1)=SUM(I)
00003I  GO TO 74
73 I=I+1 IF I=J+1 THEN I=1
00001I  72 CONTINUE
C
CALCULATING Z-N LEVEL OF AVERAGE VALUES
AVERAGE OF SUMMATIONS OF ROWS TO SUMMATION OF ROWS AND COLUMNS
00001J  DO J=N+1,N
00001I  IF I=1 THEN I=J+1 ELSE I=I+1 GO TO 77
00002I  I=I+1 IF I=J+1 THEN I=1 SUM=SUM(I,1)+AVE(I,1) SUM(I,1)=SUM(I)
00003I  GO TO 74
77 I=I+1 IF I=J+1 THEN I=1
00001I  76 CONTINUE
C
DO J=N+1,N
00001J  IF I=1 THEN I=J+1 ELSE I=I+1 GO TO 74
00002I  I=I+1 IF I=J+1 THEN I=1 SUM=SUM(I,1)+AVE(I,1) SUM(I,1)=SUM(I)
00003I  GO TO 74
74 I=I+1 IF I=J+1 THEN I=1
00001I  73 CONTINUE
C
DO J=N+1,N
00001J  IF I=1 THEN I=J+1 ELSE I=I+1 GO TO 77
00002I  I=I+1 IF I=J+1 THEN I=1 SUM=SUM(I,1)+AVE(I,1) SUM(I,1)=SUM(I)
00003I  GO TO 74
77 I=I+1 IF I=J+1 THEN I=1
00001I  76 CONTINUE

```

AVERAGE 2
 AVERAGE 3
 AVERAGE 4
 AVERAGE 5
 AVERAGE 6
 AVERAGE 7
 AVERAGE 8
 AVERAGE 9
 AVERAGE10
 AVERAGE11
 AVERAGE12
 AVERAGE13
 AVERAGE14
 AVERAGE15
 AVERAGE16
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 AVERAGE43
 AVERAGE44
 AVERAGE45
 AVERAGE46
 AVERAGE47
 AVERAGE48
 AVERAGE49
 AVERAGE50
 AVERAGE51
 AVERAGE52
 AVERAGE53
 AVERAGE54
 AVERAGE55

```

RUN VFASION 2.3 --PCN LEVEL 240--
      GO TO 10
000226 81 [THUNT (I+J+1,M+1) = 0.0
000225 AVERAGE59
000237 80 CONTINUE
C
C
000235 IF (UNIT(I+J+1,M+1) .EQ. 0.) GO TO 82
000241 [THUNT (I+J+1,M+1) = [THUNT(I+J+1,M+1) / UNIT(I+J+1,M+1)
000251 GO TO 83
000251 82 [THUNT (I+J+1,M+1) = 0.0
000255 83 RETURN
00025A END

```

06/30/72

AVERAGE56
AVERAGE57
AVERAGE58
AVERAGE59
AVERAGE60
AVERAGE61
AVERAGE62
AVERAGE63
AVERAGE64
AVERAGE65
AVERAGE66

HUN VFASION 2.3 --PCN LEVEL 240--

AVERAGE

SUBPROGRAM LENGTH
000274
FUNCTION ASSIGNMENTS

STATEMENT	ASSIGNMENTS	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100																													
70	= 000030	71	= 000030	72	= 000070	73	= 00006J	74	= 000120	75	= 000115	76	= 000154	77	= 000147	78	= 000203	79	= 000170	80	= 000232	81	= 000225	82	= 000291	83	= 000205	84	= 000205	85	= 000205	86	= 000205	87	= 000205	88	= 000205	89	= 000205	90	= 000205	91	= 000205	92	= 000205	93	= 000205	94	= 000205	95	= 000205	96	= 000205	97	= 000205	98	= 000205	99	= 000205	100	= 000205

BLOCK NAMES AND LENGTHS

VARIABLE ASSIGNMENTS
#1 = 000273 #2 = 000272 #3 = 000271

STATE OF CONSTANTS
000260

STATE OF TEMPORARIES
000261

STATE OF INDIRECTS
000264

UNUSLID COMPILER SWEEP
127380

AVERAGE 06/30/72

AVERAGE56
AVERAGE57
AVERAGE58
AVERAGE59
AVERAGE60
AVERAGE61
AVERAGE62
AVERAGE63
AVERAGE64
AVERAGE65
AVERAGE66

BLOCK NAMES AND LENGTHS

VARIABLE ASSIGNMENTS
#1 = 000273 #2 = 000272 #3 = 000271

STATE OF CONSTANTS
000260

STATE OF TEMPORARIES
000261

STATE OF INDIRECTS
000264

UNUSLID COMPILER SWEEP
127380

```

RUN VFASION 2.3 --PCN LEVEL 240--
      GO TO 10
000226 81 [THUNT (I+J+1,M+1) = 0.0
000225 AVERAGE59
000237 80 CONTINUE
C
C
000235 IF (UNIT(I+J+1,M+1) .EQ. 0.) GO TO 82
000241 [THUNT (I+J+1,M+1) = [THUNT(I+J+1,M+1) / UNIT(I+J+1,M+1)
000251 GO TO 83
000251 82 [THUNT (I+J+1,M+1) = 0.0
000255 83 RETURN
00025A END

```

06/30/72

PERCENT 2
PERCENT 3
PERCENT 4
PERCENT 5
PERCENT 6
PERCENT 7
PERCENT 8
PERCENT 9
PERCENT 10
PERCENT 11
PERCENT 12
PERCENT 13
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PERCENT 49
PERCENT 50
PERCENT 51
PERCENT 52
PERCENT 53
PERCENT 54
PERCENT 55

HUN VFASION 2.3 --PCN LEVEL 240--

PERCENT

```

000301 HUNVFCT(I+J+1,M+1) HUNVFCT(I+J+1,M+1) / UNIT(I+J+1,M+1) * 100.
000314 GO TO 4
000314 10 HUNVFCT(I+J+1,M+1) = 100.
000321 4 CONTINUE
000324 DO 11 J=1,M
000327 DO 11 I=1,N
000333 IF (UNIT(I+J+1,M+1) .EQ. 0.) GO TO 12
000337 HUNVFCT(I+J+1,M+1) = HUNVFCT(I+J+1,M+1) / UNIT(I+J+1,M+1) * 100.
000341 GO TO 11
000354 12 COLPCT(I+J+1,M+1) = 100.
000357 11 CONTINUE
000370 DO 13 J=1,M
000373 IF (UNIT(I+J+1,M+1) .EQ. 0.) GO TO 14
000377 COLPCT(I+J+1,M+1) = UNIT(I+J+1,M+1) / UNIT(I+J+1,M+1) * 100.
000381 GO TO 13
000384 14 COLPCT(I+J+1,M+1) = 100.
000387 13 CONTINUE
000404 DO 15 I=1,N
000407 IF (UNIT(I+J+1,M+1) .EQ. 0.) GO TO 16
000411 HUNVFCT(I+J+1,M+1) = HUNVFCT(I+J+1,M+1) / UNIT(I+J+1,M+1) * 100.
000415 GO TO 15
000428 16 HUNVFCT(I+J+1,M+1) = 100.
000431 15 CONTINUE
000434 DO 17 I=1,N
000437 IF (UNIT(I+J+1,M+1) .EQ. 0.) GO TO 18
000441 HUNVFCT(I+J+1,M+1) = HUNVFCT(I+J+1,M+1) / UNIT(I+J+1,M+1) * 100.
000445 GO TO 17
000458 18 HUNVFCT(I+J+1,M+1) = 100.
000461 17 CONTINUE
000464 RETURN
000467 END

```

06/30/72

PERCENT56
PERCENT57
PERCENT58
PERCENT59
PERCENT60
PERCENT61
PERCENT62
PERCENT63
PERCENT64
PERCENT65
PERCENT66
PERCENT67
PERCENT68
PERCENT69
PERCENT70
PERCENT71
PERCENT72
PERCENT73
PERCENT74
PERCENT75
PERCENT76
PERCENT77
PERCENT78
PERCENT79
PERCENT80
PERCENT81
PERCENT82
PERCENT83
PERCENT84
PERCENT85
PERCENT86
PERCENT87

06/30/72

```

C      DIMENSION SUM(1:J+1,M+1)
C      SUBROUTINE TU EVALUATE THE SUMMATIONS.
C
C      DIMENSION UNIT(3:J+1,I)
C
C      SUMMATION OF ROWS
000007      DO 44 K=1,M
000016      DO 45 K=1,I
000011      UNIT(1:J+1,K)=K*U(K)
000014      DO 46 K=1,I
000017      45 UNIT(1:J+1,K)=K*UNIT(1:J+1,K)+UNIT(1:J+1,K)*K
C
C      SUMMATION OF COLUMNS
000037      DO 44 K=1,M
000046      DO 45 K=1,J
000011      UNIT(1:J+1,K)=K*U(K)
000014      DO 46 K=1,I
000017      46 UNIT(1:J+1,K)=K*UNIT(1:J+1,K)+UNIT(1:J+1,K)*K
C
C      SUMMATION TO OBTAIN WCLM.
000067      DO 47 K=1,J
000076      DO 47 K=1,I
000011      UNIT(1:J+1,K)=K*U(K)
000014      DO 46 K=1,I
000017      47 UNIT(1:J+1,K)=K*UNIT(1:J+1,K)+UNIT(1:J+1,K)*K
C
C      SUMMATION OF ROWS AND COLUMNS
000117      DO 51 K=1,M
000126      UNIT(1:J+1,K)=K*U(K)
000124      DO 52 K=1,I
000127      51 UNIT(1:J+1,K)=K*UNIT(1:J+1,K)+UNIT(1:J+1,K)*K
C
C      SUMMATION OF ROWS AND REAR ELEMENTS.
000146      DO 54 K=1,I
000145      UNIT(1:J+1,K)=K*U(K)
000151      DO 54 K=1,M
000151      54 UNIT(1:J+1,K)=K*UNIT(1:J+1,K)+UNIT(1:J+1,K)*K
C
C      SUMMATION OF COLUMNS AND THE REAR ELEMENTS.
000171      DO 56 K=1,J
000177      DO 56 K=1,M
000174      56 UNIT(1:J+1,K)=K*UNIT(1:J+1,K)+UNIT(1:J+1,K)*K
C
C      GRAND TOTAL
000214      UNIT(1:J+1,M+1)=U(0)
000229      DO 57 K=1,I

```

DMSUM	2
DMSUM	3
DMSUM	4
DMSUM	5
DMSUM	6
DMSUM	7
DMSUM	8
DMSUM	9
DMSUM	10
DMSUM	11
DMSUM	12
DMSUM	13
DMSUM	14
DMSUM	15
DMSUM	16
DMSUM	17
DMSUM	18
DMSUM	19
DMSUM	20
DMSUM	21
DMSUM	22
DMSUM	23
DMSUM	24
DMSUM	25
DMSUM	26
DMSUM	27
DMSUM	28
DMSUM	29
DMSUM	30
DMSUM	31
DMSUM	32
DMSUM	33
DMSUM	34
DMSUM	35
DMSUM	36
DMSUM	37
DMSUM	38
DMSUM	39
DMSUM	40
DMSUM	41
DMSUM	42
DMSUM	43
DMSUM	44
DMSUM	45
DMSUM	46
DMSUM	47
DMSUM	48
DMSUM	49
DMSUM	50
DMSUM	51
DMSUM	52
DMSUM	53
DMSUM	54
DMSUM	55

Subject

```
000221 57 UN[[[+],J],M+]]UN[[[+],J,[M+]]+UN[[[+],J,[M],K]]
C
000236 HELUHN
000236 END
```

DMSUN	56
DMSUN	57
DMSUN	58
DMSUN	59

```

SUM
SUMMINGHAM LENGTH
000253

FUNCTION ASSIGNMENTS

STATEMENT ASSIGNMENTS
  5 = 000017 46 = 000447 47 = 000077 51 = 000128
  24 = 000153 26 = 000408 27 = 000223

BLOCK NAMES AND LENGTHS

VARIABLE NAMES AND ASSIGNMENTS
A1 = 000251 A2 = 000252 A3 = 000253

START OF CONSTANTS
000240

START OF TEMPORARIES
000241

START OF INDICES
000245

UNUSED COMPILE SPACE
12750

```

D5STAN50
D5STAN57
D5STAN58
D5STAN59
D5STAN60
D5STAN61
D5STAN62
D5STAN63
D5STAN64
D5STAN65
D5STAN66
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D5STAN94
D5STAN95
D5STAN97
D5STAN98
D5STAN99
D5STI000
D5STI001
D5STI002
D5STI003
D5STI004
D5STI005
D5STI006
D5STI007
D5STI008
D5STI009
D5STI010

06/30/72

DM5TR186b
 DM5TR187
 DM5TR188
 DM5TR189
 DM5TR190
 DM5TR191
 DM5TR192
 DM5TR193
 DM5TR194
 DM5TR195
 DM5TR196
 DM5TR197
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 DM5TR211
 DM5TR212
 DM5TR213
 DM5TR214
 DM5TR215
 DM5TR216
 DM5TR217
 DM5TR218
 DM5TR219

06/30/72

[illegible]

```

000000  RUN FV5100 2,1  *NOUN LEVEL 280**
                                H3G8MET
000001  A11T=I*TPA1+I*TPA2+I*TPA3+I*TPA4+I*TPA5+I*TPA6+I*TPA7+I*TPA8+I*TPA9+I*TPA10+I*TPA11+I*TPA12+I*TPA13+I*TPA14+I*TPA15+I*TPA16+I*TPA17+I*TPA18+I*TPA19+I*TPA20+I*TPA21+I*TPA22+I*TPA23+I*TPA24+I*TPA25+I*TPA26+I*TPA27+I*TPA28+I*TPA29+I*TPA30+I*TPA31+I*TPA32+I*TPA33+I*TPA34+I*TPA35+I*TPA36+I*TPA37+I*TPA38+I*TPA39+I*TPA40+I*TPA41+I*TPA42+I*TPA43+I*TPA44+I*TPA45+I*TPA46+I*TPA47+I*TPA48+I*TPA49+I*TPA50+I*TPA51+I*TPA52+I*TPA53+I*TPA54+I*TPA55+I*TPA56+I*TPA57+I*TPA58+I*TPA59+I*TPA60+I*TPA61+I*TPA62+I*TPA63+I*TPA64+I*TPA65+I*TPA66+I*TPA67+I*TPA68+I*TPA69+I*TPA70+I*TPA71+I*TPA72+I*TPA73+I*TPA74+I*TPA75+I*TPA76+I*TPA77+I*TPA78+I*TPA79+I*TPA80+I*TPA81+I*TPA82+I*TPA83+I*TPA84+I*TPA85+I*TPA86+I*TPA87+I*TPA88+I*TPA89+I*TPA90+I*TPA91+I*TPA92+I*TPA93+I*TPA94+I*TPA95+I*TPA96+I*TPA97+I*TPA98+I*TPA99+I*TPA100+I*TPA101+I*TPA102+I*TPA103+I*TPA104+I*TPA105+I*TPA106+I*TPA107+I*TPA108+I*TPA109+I*TPA110+I*TPA111+I*TPA112+I*TPA113+I*TPA114+I*TPA115+I*TPA116+I*TPA117+I*TPA118+I*TPA119+I*TPA120+I*TPA121+I*TPA122+I*TPA123+I*TPA124+I*TPA125+I*TPA126+I*TPA127+I*TPA128+I*TPA129+I*TPA130+I*TPA131+I*TPA132+I*TPA133+I*TPA134+I*TPA135+I*TPA136+I*TPA137+I*TPA138+I*TPA139+I*TPA140+I*TPA141+I*TPA142+I*TPA143+I*TPA144+I*TPA145+I*TPA146+I*TPA147+I*TPA148+I*TPA149+I*TPA150+I*TPA151+I*TPA152+I*TPA153+I*TPA154+I*TPA155+I*TPA156+I*TPA157+I*TPA158+I*TPA159+I*TPA160+I*TPA161+I*TPA162+I*TPA163+I*TPA164+I*TPA165+I*TPA166+I*TPA167+I*TPA168+I*TPA169+I*TPA170+I*TPA171+I*TPA172+I*TPA173+I*TPA174+I*TPA175+I*TPA176+I*TPA177+I*TPA178+I*TPA179+I*TPA180+I*TPA181+I*TPA182+I*TPA183+I*TPA184+I*TPA185+I*TPA186+I*TPA187+I*TPA188+I*TPA189+I*TPA190+I*TPA191+I*TPA192+I*TPA193+I*TPA194+I*TPA195+I*TPA196+I*TPA197+I*TPA198+I*TPA199+I*TPA200+I*TPA201+I*TPA202+I*TPA203+I*TPA204+I*TPA205+I*TPA206+I*TPA207+I*TPA208+I*TPA209+I*TPA210+I*TPA211+I*TPA212+I*TPA213+I*TPA214+I*TPA215+I*TPA216+I*TPA217+I*TPA218+I*TPA219+I*TPA220+I*TPA221+I*TPA222+I*TPA223+I*TPA224+I*TPA225+I*TPA226+I*TPA227+I*TPA228+I*TPA229+I*TPA230+I*TPA231+I*TPA232+I*TPA233+I*TPA234+I*TPA235+I*TPA236+I*TPA237+I*TPA238+I*TPA239+I*TPA240+I*TPA241+I*TPA242+I*TPA243+I*TPA244+I*TPA245+I*TPA246+I*TPA247+I*TPA248+I*TPA249+I*TPA250+I*TPA251+I*TPA252+I*TPA253+I*TPA254+I*TPA255+I*TPA256+I*TPA257+I*TPA258+I*TPA259+I*TPA260+I*TPA261+I*TPA262+I*TPA263+I*TPA264+I*TPA265+I*TPA266+I*TPA267+I*TPA268+I*TPA269+I*TPA270+I*TPA271+I*TPA272+I*TPA273+I*TPA274+I*TPA275+I*TPA276+I*TPA277+I*TPA278+I*TPA279+I*TPA280+I*TPA281+I*TPA282+I*TPA283+I*TPA284+I*TPA285+I*TPA286+I*TPA287+I*TPA288+I*TPA289+I*TPA290+I*TPA291+I*TPA292+I*TPA293+I*TPA294+I*TPA295+I*TPA296+I*TPA297+I*TPA298+I*TPA299+I*TPA300+I*TPA301+I*TPA302+I*TPA303+I*TPA304+I*TPA305+I*TPA306+I*TPA307+I*TPA308+I*TPA309+I*TPA310+I*TPA311+I*TPA312+I*TPA313+I*TPA314+I*TPA315+I*TPA316+I*TPA317+I*TPA318+I*TPA319+I*TPA320+I*TPA321+I*TPA322+I*TPA323+I*TPA324+I*TPA325+I*TPA326+I*TPA327+I*TPA328+I*TPA329+I*TPA330+I*TPA331+I*TPA332+I*TPA333+I*TPA334+I*TPA335+I*TPA336+I*TPA337+I*TPA338+I*TPA339+I*TPA340+I*TPA341+I*TPA342+I*TPA343+I*TPA344+I*TPA345+I*TPA346+I*TPA347+I*TPA348+I*TPA349+I*TPA350+I*TPA351+I*TPA352+I*TPA353+I*TPA354+I*TPA355+I*TPA356+I*TPA357+I*TPA358+I*TPA359+I*TPA360+I*TPA361+I*TPA362+I*TPA363+I*TPA364+I*TPA365+I*TPA366+I*TPA367+I*TPA368+I*TPA369+I*TPA370+I*TPA371+I*TPA372+I*TPA373+I*TPA374+I*TPA375+I*TPA376+I*TPA377+I*TPA378+I*TPA379+I*TPA380+I*TPA381+I*TPA382+I*TPA383+I*TPA384+I*TPA385+I*TPA386+I*TPA387+I*TPA388+I*TPA389+I*TPA390+I*TPA391+I*TPA392+I*TPA393+I*TPA394+I*TPA395+I*TPA396+I*TPA397+I*TPA398+I*TPA399+I*TPA400+I*TPA401+I*TPA402+I*TPA403+I*TPA404+I*TPA405+I*TPA406+I*TPA407+I*TPA408+I*TPA409+I*TPA410+I*TPA411+I*TPA412+I*TPA413+I*TPA414+I*TPA415+I*TPA416+I*TPA417+I*TPA418+I*TPA419+I*TPA420+I*TPA421+I*TPA422+I*TPA423+I*TPA424+I*TPA425+I*TPA426+I*TPA427+I*TPA428+I*TPA429+I*TPA430+I*TPA431+I*TPA432+I*TPA433+I*TPA434+I*TPA435+I*TPA436+I*TPA437+I*TPA438+I*TPA439+I*TPA440+I*TPA441+I*TPA442+I*TPA443+I*TPA444+I*TPA445+I*TPA446+I*TPA447+I*TPA448+I*TPA449+I*TPA450+I*TPA451+I*TPA452+I*TPA453+I*TPA454+I*TPA455+I*TPA456+I*TPA457+I*TPA458+I*TPA459+I*TPA460+I*TPA461+I*TPA462+I*TPA463+I*TPA464+I*TPA465+I*TPA466+I*TPA467+I*TPA468+I*TPA469+I*TPA470+I*TPA471+I*TPA472+I*TPA473+I*TPA474+I*TPA475+I*TPA476+I*TPA477+I*TPA478+I*TPA479+I*TPA480+I*TPA481+I*TPA482+I*TPA483+I*TPA484+I*TPA485+I*TPA486+I*TPA487+I*TPA488+I*TPA489+I*TPA490+I*TPA491+I*TPA492+I*TPA493+I*TPA494+I*TPA495+I*TPA496+I*TPA497+I*TPA498+I*TPA499+I*TPA500+I*TPA501+I*TPA502+I*TPA503+I*TPA504+I*TPA505+I*TPA506+I*TPA507+I*TPA508+I*TPA509+I*TPA510+I*TPA511+I*TPA512+I*TPA513+I*TPA514+I*TPA515+I*TPA516+I*TPA517+I*TPA518+I*TPA519+I
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06/30/72
POWER112
POWER112
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POWER159
POWER160
POWER161
POWER162
POWER163
POWER164

00430-0000

[illegible][illegible]

HL0CA NAMES AND LETTERS
DG - 002121 - 002121

```

VARIABLE ASSIGMENTS
A      = 001111      1ST ROW = 00101101 C      = 001111      L      = 001111
MCHAD  = 00000001    2ND ROW = 001111      HMMH  = 00055002    LCM  = 001111
IS      = 001150      3RD  ROW = 001111      1THH  = 001111      ITK  = 001111
IAY     = 00000001    4TH  ROW = 001111      IAYH  = 001111      IY   = 001111
ACHV    = 00111100    5TH  ROW = 001111      HMMH  = 001111      HMMH  = 001111

```

```

TACKN) - 000071C01  JATA - 011331C01  SPLVCH - 0010007  ADPDE - 000002C01
SPYHC - 000060C02

```

START OF COMPARISON
000000

START OF TEMPERATURE
001017

START OF 140145Z
001034

UNIQUE COMPANY NAME
123456

06/30/72

ALBION 54

000000

06/30/72

06/10/73

[illegible][illegible]

06/30/72

[illegible]

95/38/72

[illegible]

VARIABLE ASSIGNMENT

VARIABLE ASSIGNMENT

AUTONR - 000011
 HYDRET - 000716

ICTA	-	000750
MM	-	000752
MM	-	000752

NHVT - 000761
 XPTWIP - 002101

START OF CONSTANT
BORE,

000451

START OF TAMBORA

START OF TEL#POW#
000641

START OF INITIAL
000645

UNUSED COMPILER .

126200

06438437

[illegible]

WUHA VERSION 2.1 - 1995-11-15

[illegible]

RUN VERSION 2.3 --PGM LEVEL 290--

06/30/72

```

C SUBROUTINE SUM2(I,J,M,UNIT)
C-----
C SUBROUTINE TO EVALUATE THE SUMMATIONS.
C-----
000007 C DIMENSION UNIT (5,N+5)
C
C SUMMATION OF ROWS.
000007 DO 45 K=M+1,M
000010 DO 45 K1=1,I
000011 UNIT(K1,J+1,M)=0.0
000016 DO 45 K1=1,J
000017 45 UNIT(K1,J+1,M)=UNIT(K1,J,M)+UNIT(K1,K1,M)
C
C SUMMATION OF COLUMNS.
000037 DO 46 K=M+1,M
000040 DO 46 K1=1,J
000041 UNIT(I+1,K1,M)=0.0
000046 DO 46 K1=1,I
000047 46 UNIT(I+1,K1,M)=UNIT(I+1,K1,M)+UNIT(I,K1,M)
C
C SUMMATION OF ROWS AND COLUMNS.
000070 DO 47 K=M+1,M
000071 DO 47 K1=1,I
000072 UNIT(K1,K1,M)=0.0
000077 DO 47 K1=1,J
000078 47 UNIT(K1,K1,M)=UNIT(K1,K1,M)+UNIT(I+1,K1,M)
C
C SUMMATION OF ROWS AND COLUMNS.
000122 DO 51 K=M+1,M
000121 UNIT(I+1,J+1,M)=0.0
000130 DO 51 K1=1,J
000131 51 UNIT(I+1,J+1,M)=UNIT(I+1,J+1,M)+UNIT(K1,J+1,M)
C
C SUMMATION OF ROWS AND MEAN ELEMENTS.
000147 DO 54 K=M+1,M
000150 UNIT(K1,J+1,M)=0.0
000155 DO 54 K1=1,J
000156 54 UNIT(K1,J+1,M)=UNIT(K1,J+1,M)+UNIT(K1,J+1,M)
C
C SUMMATION OF COLUMNS AND THE MEAN ELEMENTS.
000174 DO 56 K=M+1,M
000175 UNIT(I+1,K1,M)=0.0
000202 DO 56 K1=1,I
000203 56 UNIT(I+1,K1,M)=UNIT(I+1,K1,M)+UNIT(I+1,K1,M)
C
C GRAND TOTAL

```

RUN VERSION 2.3 --PGM LEVEL 290--

SUM2

06/30/72

```

C
000221 C UNIT(I+1,J+1,M)=0
000224 ON 57 K=M+1,M
000224 57 UNIT(I+1,J+1,M)=UNIT(I+1,J+1,M)+UNIT(I+1,K1,M)
C
000247 RETURN
000247 END

```

DMSUM356
DMSUM357
DMSUM358
DMSUM359
DMSUM360
DMSUM361
DMSUM362

RUN VERSION 2.3 --PGM LEVEL 290--

SUM3

06/30/72

SUM3

SUBPROGRAM LENGTH

000257

FUNCTIONAL ASSIGNMENTS

STATEMENT ASSIGNMENTS

45 - 000017 46 - 000017 47 - 000101 51 - 000131

54 - 000156 56 - 000226

BLOCK NAMES AND LENGTHS

VARIABLE ASSIGNMENTS

K1 - 000255 K2 - 000256 K3 - 000257

STATE OF CONSTANTS

000244

STATE OF TEMPORARIES

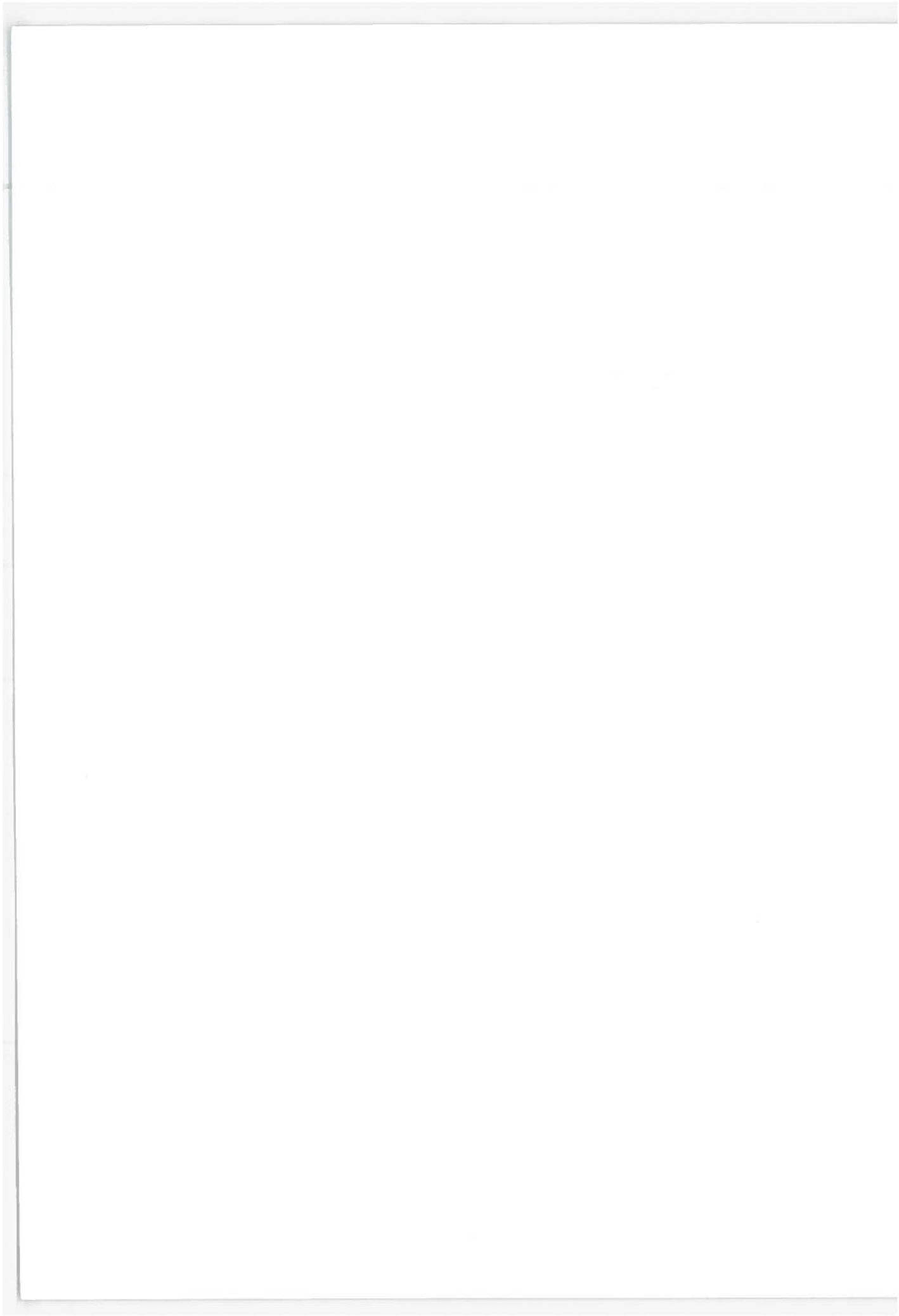
000245

STATE OF INDICES

000251

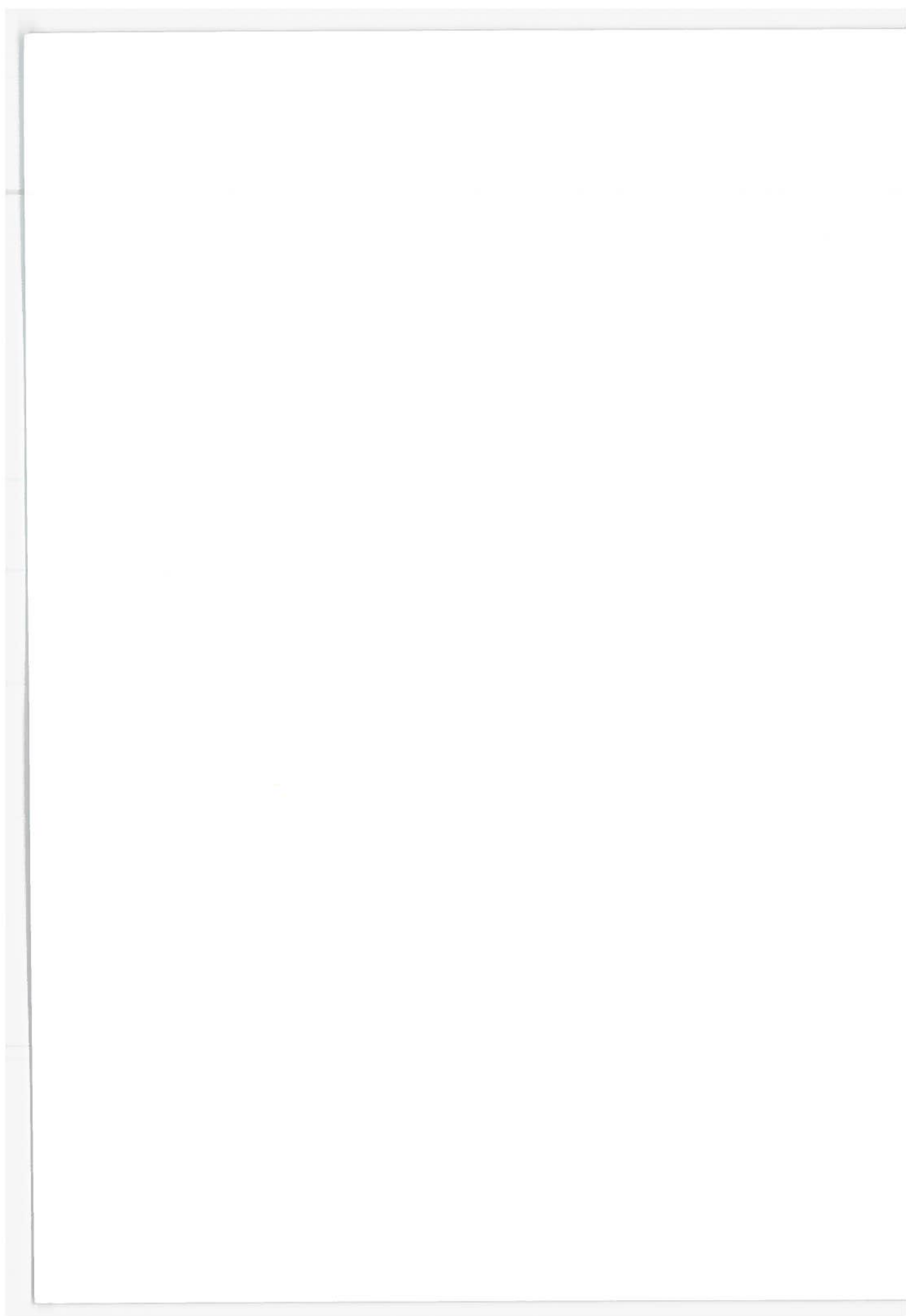
UNUSABLE COMPILER SPACE

127500



APPENDIX F

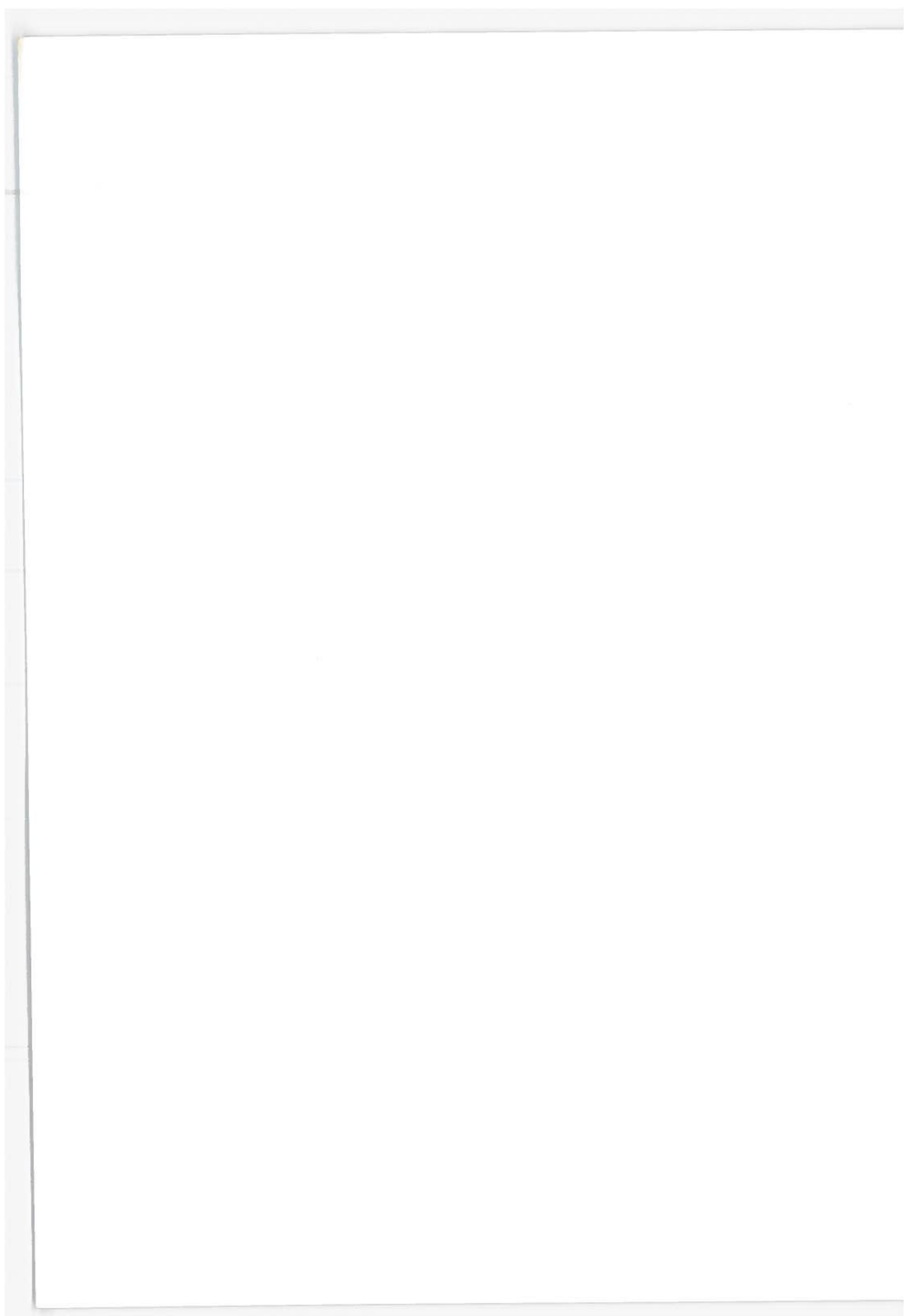
TYPICAL INPUT DATA - HIGHWAY-TRANSIT COST PROGRAM



[illegible][illegible]

APPENDIX G

TYPICAL OUTPUT DATA - HIGHWAY-TRANSIT COST PROGRAM



LINEAR CAPITAL CUE PROGRAM.

ALTERNATIVE WAYS OF CAPITAL COSTS

KEYWORDS

059-6807-970-

Count fraction	Time	Distance	Time	Count	Time	Count	Time	Count
inches	inches	inches	inches	inches	inches	inches	inches	inches
Count 1	1	1	1	1	1	1	1	1
Count 2	2	2	2	2	2	2	2	2
Count 3	3	3	3	3	3	3	3	3
Count 4	4	4	4	4	4	4	4	4
Count 5	5	5	5	5	5	5	5	5
Count 6	6	6	6	6	6	6	6	6
Count 7	7	7	7	7	7	7	7	7
Count 8	8	8	8	8	8	8	8	8
Count 9	9	9	9	9	9	9	9	9
Count 10	10	10	10	10	10	10	10	10
Count 11	11	11	11	11	11	11	11	11
Count 12	12	12	12	12	12	12	12	12
Count 13	13	13	13	13	13	13	13	13
Count 14	14	14	14	14	14	14	14	14
Count 15	15	15	15	15	15	15	15	15
Count 16	16	16	16	16	16	16	16	16
Count 17	17	17	17	17	17	17	17	17
Count 18	18	18	18	18	18	18	18	18
Count 19	19	19	19	19	19	19	19	19
Count 20	20	20	20	20	20	20	20	20
Count 21	21	21	21	21	21	21	21	21
Count 22	22	22	22	22	22	22	22	22
Count 23	23	23	23	23	23	23	23	23
Count 24	24	24	24	24	24	24	24	24
Count 25	25	25	25	25	25	25	25	25
Count 26	26	26	26	26	26	26	26	26
Count 27	27	27	27	27	27	27	27	27
Count 28	28	28	28	28	28	28	28	28
Count 29	29	29	29	29	29	29	29	29
Count 30	30	30	30	30	30	30	30	30
Count 31	31	31	31	31	31	31	31	31
Count 32	32	32	32	32	32	32	32	32
Count 33	33	33	33	33	33	33	33	33
Count 34	34	34	34	34	34	34	34	34
Count 35	35	35	35	35	35	35	35	35
Count 36	36	36	36	36	36	36	36	36
Count 37	37	37	37	37	37	37	37	37
Count 38	38	38	38	38	38	38	38	38
Count 39	39	39	39	39	39	39	39	39
Count 40	40	40	40	40	40	40	40	40
Count 41	41	41	41	41	41	41	41	41
Count 42	42	42	42	42	42	42	42	42
Count 43	43	43	43	43	43	43	43	43
Count 44	44	44	44	44	44	44	44	44
Count 45	45	45	45	45	45	45	45	45
Count 46	46	46	46	46	46	46	46	46
Count 47	47	47	47	47	47	47	47	47
Count 48	48	48	48	48	48	48	48	48
Count 49	49	49	49	49	49	49	49	49
Count 50	50	50	50	50	50	50	50	50

54

THE CONSTITUTIONAL TYPES

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	

HIGHWAY MILEAGE OF -AT AVENUE COST TABLE

TYPE	UNIT	WGT	UNIT WT	IN- PWT	IN- WGT	ANNUAL WTR USE	ANNUAL COST	TOTAL COST	ANNUAL COST/UNIT	ANNUAL COST/WT	ANNUAL COST/UNIT WT	PERCENT OF TOTAL COST
Flow	41.1%	88	34972.410	2.0	174897	349724.10	57963.0	2941.1	33892	82	92	
Flow	41.1%	49	28464.010	2.0	144220	284640.10	57768.0	2981	57768	92	92	
Flow	41.1%	134			1839227	3746554.0	394654.0	18474	329558	100	100	

1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 26

U. L. Campbell/2013-2014

[illegible]

...U2U: CUSI L ...

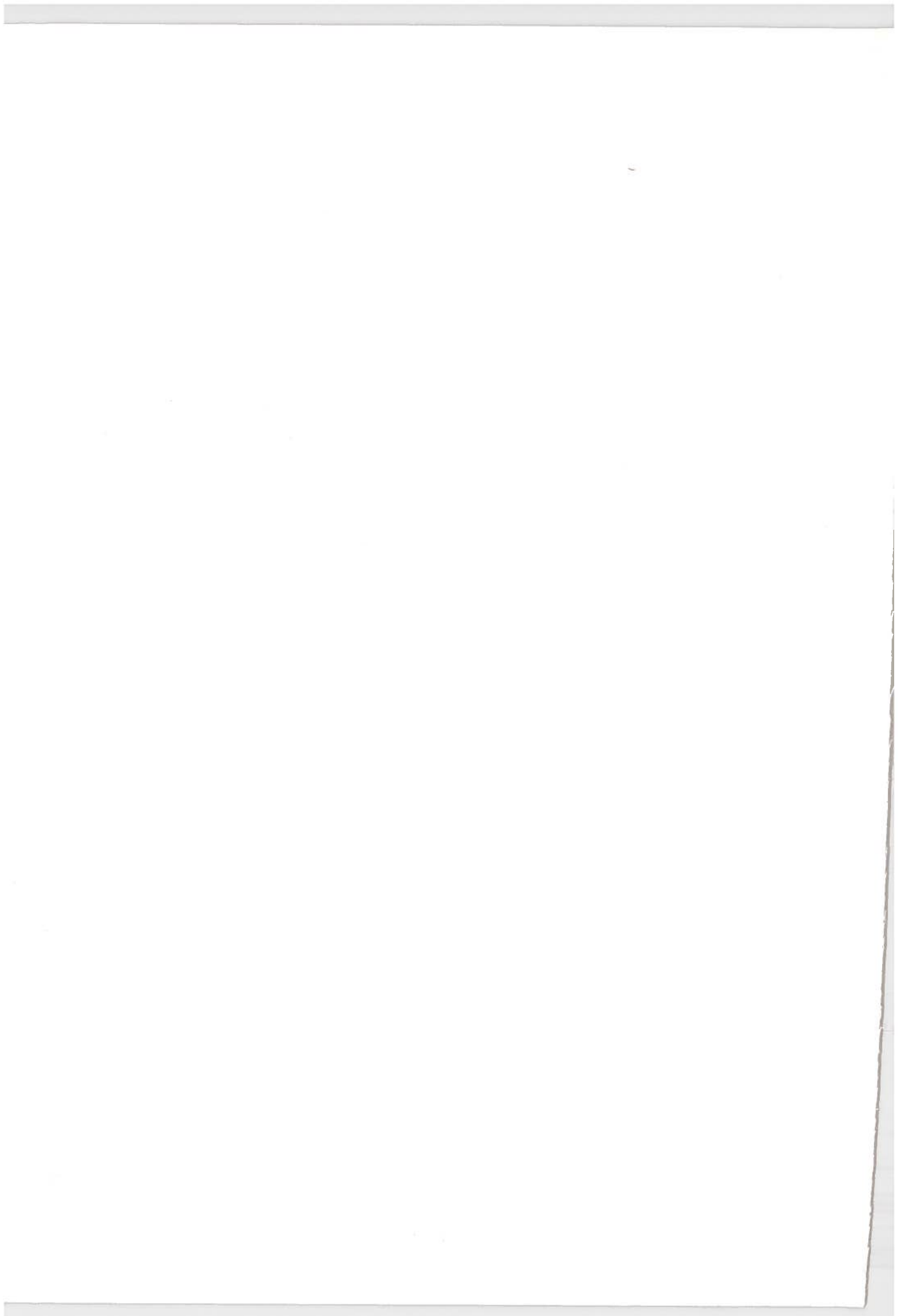
Journal of Interpersonal Violence

DATE TIME	SOURCE	FREQ., MHz	CUT R-ANGLE	COST \$	REF.
10-17-68	WV	96	3.02781	10610000	94
		11	.00000	11510000	96
10-17-68	WV	96	3.02781	11780000	100

STAY! 1999 A 001 COMPLAINTS AGENCY

LIFE(1) = 300	INTERACT(1) = 0
LIFE(2) = 40	INTERACT(2) = 0
LIFE(3) = 20	INTERACT(3) = 0
LIFE(4) = 0	INTERACT(4) = 0
LIFE(5) = 20	INTERACT(5) = 0
LIFE(6) = 40	INTERACT(6) = 0
LIFE(7) = 300	INTERACT(7) = 0
LIFE(8) = 0	INTERACT(8) = 0
LIFE(9) = 12	INTERACT(9) = 0
LIFE(10) = 20	INTERACT(10) = 0
LIFE(11) = 20	INTERACT(11) = 0
LIFE(12) = 20	INTERACT(12) = 0
LIFE(13) = 300	INTERACT(13) = 0
LIFE(14) = 20	INTERACT(14) = 0
LIFE(15) = 200	INTERACT(15) = 0
LIFE(16) = 0	INTERACT(16) = 0
LIFE(17) = 0	INTERACT(17) = 0
LIFE(18) = 0	INTERACT(18) = 0
LIFE(19) = 0	INTERACT(19) = 0
LIFE(20) = 0	INTERACT(20) = 0
LIFE(21) = 0	INTERACT(21) = 0
LIFE(22) = 0	INTERACT(22) = 0
LIFE(23) = 0	INTERACT(23) = 0
LIFE(24) = 0	INTERACT(24) = 0
LIFE(25) = 0	INTERACT(25) = 0
LIFE(26) = 0	INTERACT(26) = 0
LIFE(27) = 0	INTERACT(27) = 0
LIFE(28) = 0	INTERACT(28) = 0
LIFE(29) = 0	INTERACT(29) = 0
LIFE(30) = 0	INTERACT(30) = 0

[illegible]



0.2404132

[illegible]

PLUCP, NABE, ANU, LIT, etc.

STAND OF TELEPHONICS

HOUSE: COMPILE SWRCL

074105

07/06/72

[illegible]

07/06/72

<u>Card</u> <u>Columns</u>	<u>Format</u>	<u>Variable Name</u>	<u>Definition</u>	<u>Units</u>
1-5	I5	995	Indicates no more curves to be plotted	---
6-80	---	---	Not used	---

Number of cards: 1

Comments: This is always the last data card

FIGURE H-6 CARD FORMAT TYPE 5

<u>Card Columns</u>	<u>Format</u>	<u>Variable Name</u>	<u>Definition</u>	<u>Units</u>
1-5	I5	INDEXX	Index of summary data which will be the X-variable	---
6-10	I5	INDEXY	Index of summary data which will be the Y-variable	---
11-15	I5	NB	Baseline to be used for this curve	---
16-20	I5	NPTS	Number of points to be plotted on this curve	---
21-25	I5	NTIT	Index of the title for this graph	---
26-30	I5	NUMCUR	Numerical order of curves plotted on the same graph (i.e., 1st curve plotted on graph=1, 2nd curve plotted =2, etc.)	---
31-80	---	---	Not used	---

Number of cards: 1 card per curve plotted

Comments: INDEXX ≤ 320 NPTS ≤ 5
INDEXY ≤ 320 NTIT ≤ 10
NB ≤ 20 NUMCUR ≤ 12

FIGURE H-5 CARD FORMAT TYPE 4

<u>Card</u> <u>Columns</u>	<u>Format</u>	<u>Variable Name</u>	<u>Definition</u>	<u>Units</u>
1-5	I5	INDEX	Index of summary data variable	---
6-80	5F15.0	SMRYDT	Summary data of corresponding index	Assorted (depends on index)

Number of cards: KVM*NBM

Comments: Up to five summary data values per card
Summary data for each baseline are stored in
layers in the order that each baseline set
is read in
The number of summary data cards per baseline
must be equal even if some data is not going
to be used(see example)

FIGURE H-4 CARD FORMAT TYPE 3

<u>Card Columns</u>	<u>Format</u>	<u>Variable Name</u>	<u>Definition</u>	<u>Units</u>
1-5	I5	KVM	Number of input data cards per baseline	---
6-10	I5	NBM	Number of baselines	---
11-80	---	---	Not used	---

Number of cards: 1

Comments: KVM $\leq$ 320
NBM $\leq$ 20

H-4

<u>Card Columns</u>	<u>Format</u>	<u>Variable Name</u>	<u>Definition</u>	<u>Units</u>
1-40	4A10	ATITLE	Titles of graphs	---
41-80	---	---	Not used	---

Number of cards: 10

Comments: Up to ten different titles are permitted
One title per card
Maximum of 40 characters per title

FIGURE H-3 CARD FORMAT TYPE 2

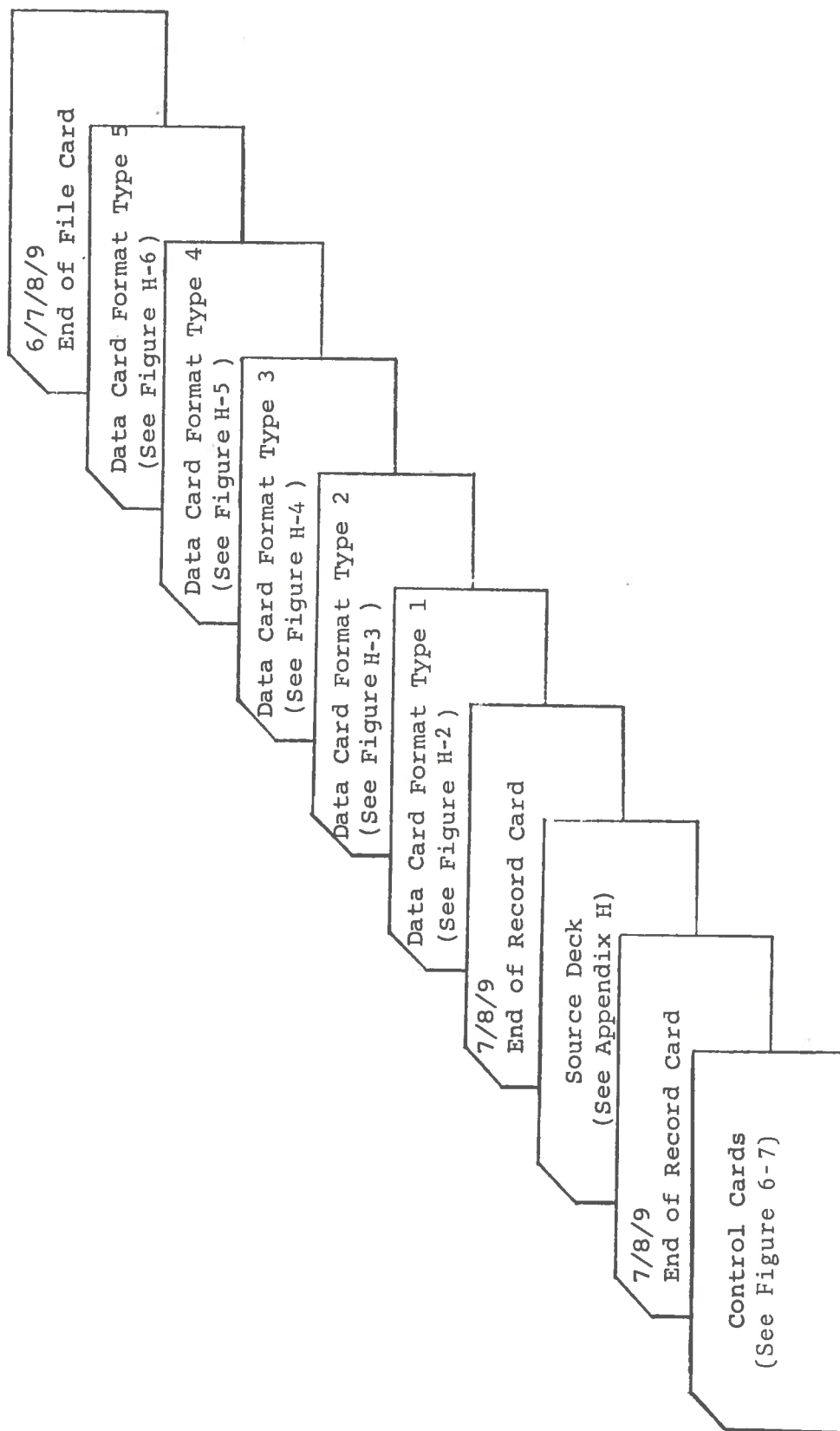


FIGURE H-1 Offline Plot Program Deck Assembly Format

The offline plot program is an additional utility program which provides an expanded capability for automatically and graphically comparing the outputs of independent runs through the TEAM model. The on-line plotting capability of the TEAM model described in section 3.1.6 (Subroutine PRPLOT) was limited to plotting one curve per graph. In the multiple-loop mode (Section 4-3) the TEAM model only produce single-curve graphs related to a specific parameter variation set. The reason for this is because the summary data (SMRYDT) array is re-initialized to zero prior to beginning each new parameter variation set. Furthermore, graphical comparisons could not be made between separate model runs. For this reason TEAM was structured such that the summary data produced by each parameter variation set could be punched on cards and then saved for future comparisons between sets and/or runs.

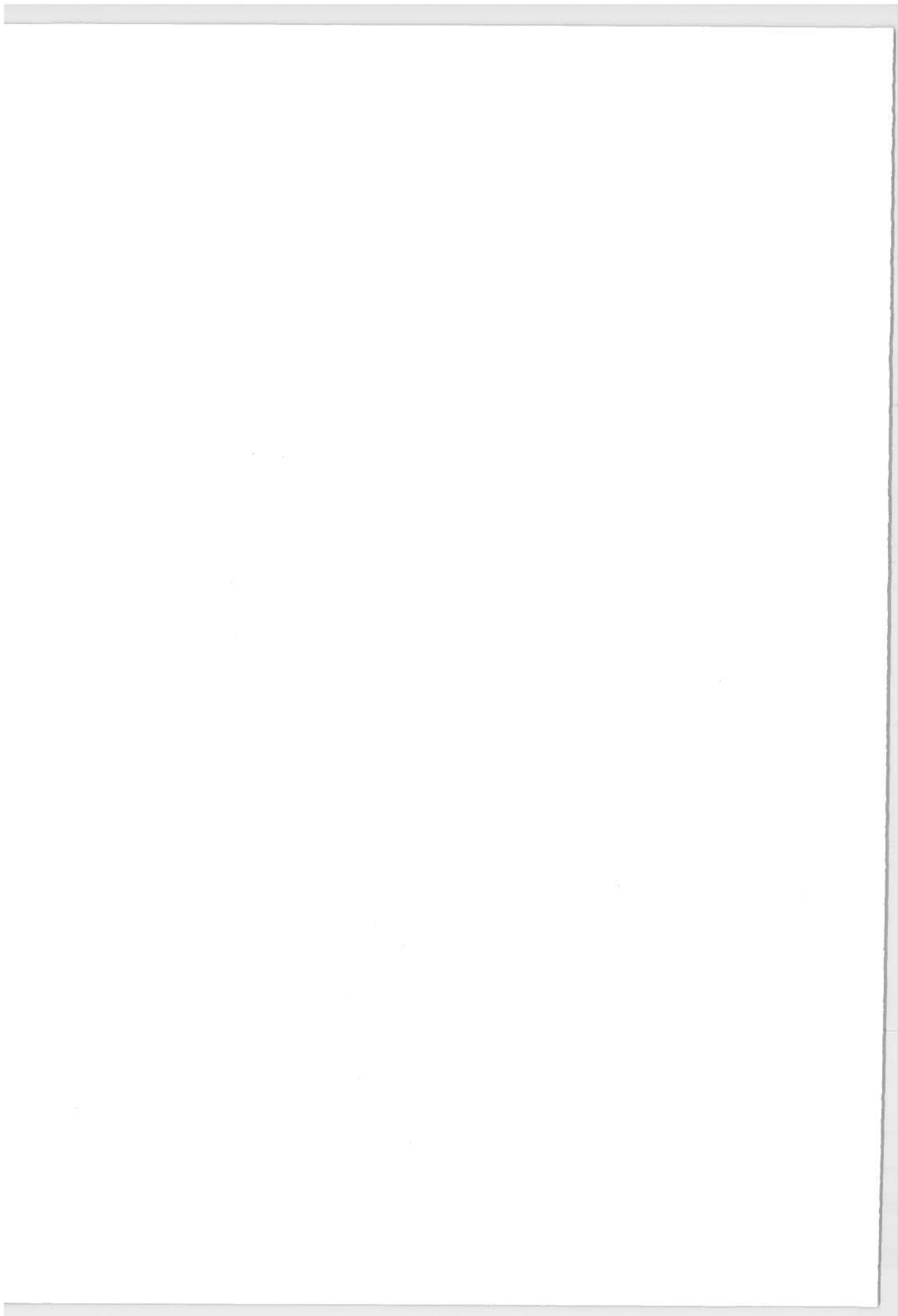
The punched summary data output is the basic input for the off-line plot program (Card Format 3). It is noted that here the SMRYDT array is a three-dimensional array. Each layer in the third dimension contains the summary data produced from separate parameter variation sets (of the same or different computer runs). The entire summary data associated with a particular parameter variation set need not be input. The analyst, in order to conserve computer core requirements, needs only to input that summary data needed for the graphs he desires to be plotted.

Comparisons between cities and baselines can thus be produced on the same graph.

The program is identical in other respects to subroutine PRPLOT (Section 3.1.6). The input data deck assembly format, card formats, and compiled program listing are presented in the following pages.

APPENDIX H

OFFLINE PLOT PROGRAM



TRANSIT OPERATING COSTS

ROUTE MILES	STND. VS	STND. VS	STND. VS
Y80	1800	1800	1800
Y81	1800	1800	1800
Y82	1800	1800	1800
Y83	1800	1800	1800
Y84	1800	1800	1800
Y85	1800	1800	1800
Y86	1800	1800	1800
Y87	1800	1800	1800
Y88	1800	1800	1800
Y89	1800	1800	1800
Y90	1800	1800	1800

TRANSIT SYS.	STND. VS	STND. VS	STND. VS
1	1800	1800	1800
2	1800	1800	1800
3	1800	1800	1800
4	1800	1800	1800
5	1800	1800	1800
6	1800	1800	1800
7	1800	1800	1800
8	1800	1800	1800
9	1800	1800	1800
10	1800	1800	1800

VEHICLE OPERATING COSTS

VEHICLE	REC.	TRANS.	FUEL	INSUR.	PARK.	OTHER	TOTAL
1	1000000	1000000	1000000	1000000	1000000	1000000	1000000
2	1000000	1000000	1000000	1000000	1000000	1000000	1000000
3	1000000	1000000	1000000	1000000	1000000	1000000	1000000
4	1000000	1000000	1000000	1000000	1000000	1000000	1000000
5	1000000	1000000	1000000	1000000	1000000	1000000	1000000
6	1000000	1000000	1000000	1000000	1000000	1000000	1000000
7	1000000	1000000	1000000	1000000	1000000	1000000	1000000
8	1000000	1000000	1000000	1000000	1000000	1000000	1000000
9	1000000	1000000	1000000	1000000	1000000	1000000	1000000
10	1000000	1000000	1000000	1000000	1000000	1000000	1000000

TOTAL ROUTE MILES

PRELAYS

TOTAL

TOTAL HIGHWAY OPERATING COSTS

TRANSIT OPERATING COSTS

TRANSIT SYS.	STND. VS	STND. VS	STND. VS	STND. VS	STND. VS	STND. VS	STND. VS
1	1800	1800	1800	1800	1800	1800	1800
2	1800	1800	1800	1800	1800	1800	1800
3	1800	1800	1800	1800	1800	1800	1800
4	1800	1800	1800	1800	1800	1800	1800
5	1800	1800	1800	1800	1800	1800	1800
6	1800	1800	1800	1800	1800	1800	1800
7	1800	1800	1800	1800	1800	1800	1800
8	1800	1800	1800	1800	1800	1800	1800
9	1800	1800	1800	1800	1800	1800	1800
10	1800	1800	1800	1800	1800	1800	1800

TRAFFIC AND HIGHWAY ACCIDENT DATA

ACCIDENT DATA

Summary of Accidents by Month

Month	FATAL	CC	CC	FATAL	INJ.	FATAL	INJ.	OFF	PEAK	FATAL	INJ.
1	1	1	1	1	157.00	2.00	170.00	2.00	170.00	2.00	180.00
2	1	1	1	1	270.00	3.00	190.00	3.00	190.00	3.00	310.00
3	1	1	1	1	270.00	3.00	190.00	3.00	190.00	3.00	310.00
4	1	1	1	1	270.00	3.00	190.00	3.00	190.00	3.00	310.00
5	1	1	1	1	270.00	3.00	190.00	3.00	190.00	3.00	310.00
6	1	1	1	1	270.00	3.00	190.00	3.00	190.00	3.00	310.00
7	1	1	1	1	270.00	3.00	190.00	3.00	190.00	3.00	310.00
8	1	1	1	1	270.00	3.00	190.00	3.00	190.00	3.00	310.00
9	1	1	1	1	270.00	3.00	190.00	3.00	190.00	3.00	310.00
10	1	1	1	1	270.00	3.00	190.00	3.00	190.00	3.00	310.00
11	1	1	1	1	270.00	3.00	190.00	3.00	190.00	3.00	310.00
12	1	1	1	1	270.00	3.00	190.00	3.00	190.00	3.00	310.00
TOTAL	12	12	12	12	3240.00	36.00	2280.00	36.00	2280.00	36.00	3720.00

Highway Accident Data (Injuries)

Month	FATAL	ACCIDENTS	INJURY	ACCIDENTS	TOTAL	ACCIDENTS	INJURY	ACCIDENTS	INJURY
1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1
TOTAL	12	12	12	12	12	12	12	12	12

TRAFFIC ACCIDENT DATA

Month	TRAFFIC	ACCIDENTS	INJURY	ACCIDENTS	TOTAL	ACCIDENTS	INJURY	ACCIDENTS	INJURY
1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1
TOTAL	12	12	12	12	12	12	12	12	12

Highway Operating Costs

Month	Operating	Costs	Operating	Costs	Operating	Costs	Operating	Costs	Operating	Costs
1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	1
TOTAL	12	12	12	12	12	12	12	12	12	12

TRANSIT POWER CONSUMPTION

INOUT POLLUTION CONFS										INOUT POLLUTION RATES																			
INOUT					POLLUTION					CONFS					INOUT					POLLUTION					RATES				
INOUT					POLLUTION					CONFS					INOUT					POLLUTION					RATES				
INOUT					POLLUTION					CONFS					INOUT					POLLUTION					RATES				
INOUT					POLLUTION					CONFS					INOUT					POLLUTION					RATES				
INOUT					POLLUTION					CONFS					INOUT					POLLUTION					RATES				
INOUT					POLLUTION					CONFS					INOUT					POLLUTION					RATES				
INOUT					POLLUTION					CONFS					INOUT					POLLUTION					RATES				
INOUT					POLLUTION					CONFS					INOUT					POLLUTION					RATES				
INOUT					POLLUTION					CONFS					INOUT					POLLUTION					RATES				
INOUT					POLLUTION					CONFS					INOUT					POLLUTION					RATES				
INOUT					POLLUTION					CONFS					INOUT					POLLUTION					RATES				
INOUT					POLLUTION					CONFS					INOUT					POLLUTION					RATES				
INOUT					POLLUTION					CONFS					INOUT					POLLUTION					RATES				
INOUT					POLLUTION					CONFS					INOUT					POLLUTION					RATES				
INOUT					POLLUTION					CONFS					INOUT					POLLUTION					RATES				
INOUT					POLLUTION					CONFS					INOUT					POLLUTION					RATES				
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McIntosh Air Pollution

[illegible]

AUTO NETWORK DATA

DATE: 12/01/80

VEHICLE	RELAY	PCT. OF TOTAL	SURFACE ART.	PCT. OF TOTAL	RELAY	PCT. OF TOTAL
101	101	95.0	2075190	75.0	9344483	100.0
102	102	95.0	2762715	75.0	3063607	100.0
103	103	10.0	218502	09.2	2381328	100.0
104	104	10.0	1170505	09.2	1055090	100.0
105	105	10.0			2981100	100.0
106	106				1055090	100.0

VEHICLE	RELAY	PCT. OF TOTAL	SURFACE ART.	PCT. OF TOTAL	RELAY	PCT. OF TOTAL
101	101	95.0	1103007000	75.0	1991327000	100.0
102	102	95.0	020010000	75.0	1105000000	100.0
103	103	10.0	037000000	09.2	710000000	100.0
104	104	10.0	000000000	09.2	000000000	100.0
105	105	10.0			000000000	100.0
106	106				000000000	100.0

TOTAL HIGHWAY VMT DATA

DATE: 12/01/80

VEHICLE	RELAY	PCT. OF TOTAL	SURFACE ART.	PCT. OF TOTAL	RELAY	PCT. OF TOTAL
101	101	95.0	2762715	08.4	3063607	86.5
102	102	95.0	2075190	11.0	2381328	11.1
103	103	10.0	218502	0.5	1055090	0.4
104	104	10.0	1170505	100.0	2981100	100.0
105	105	10.0				
106	106					

AUTO NETWORK DATA

DATE: 12/01/80

VEHICLE	RELAY	PCT. OF TOTAL	SURFACE ART.	PCT. OF TOTAL	RELAY	PCT. OF TOTAL
101	101	95.0	2075190	75.0	9344483	100.0
102	102	95.0	2762715	75.0	3063607	100.0
103	103	10.0	218502	09.2	2381328	100.0
104	104	10.0	1170505	09.2	1055090	100.0
105	105	10.0			2981100	100.0
106	106				1055090	100.0

VEHICLE DATA

VEHICLE	RELAY	PCT. OF TOTAL	SURFACE ART.	PCT. OF TOTAL	RELAY	PCT. OF TOTAL
101	101	95.0	2075190	75.0	9344483	100.0
102	102	95.0	2762715	75.0	3063607	100.0
103	103	10.0	218502	09.2	2381328	100.0
104	104	10.0	1170505	09.2	1055090	100.0
105	105	10.0			2981100	100.0
106	106				1055090	100.0

TRANSFER	RETURN	ANALYSIS	DATA
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INVESTMENT AND VEHICLE INJURY

[illegible]

TIME-STEP	WFFLOW	ANALYSIS	DATA
1	1000	1000	1000
2	1000	1000	1000
3	1000	1000	1000
4	1000	1000	1000
5	1000	1000	1000
6	1000	1000	1000
7	1000	1000	1000
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9	1000	1000	1000
10	1000	1000	1000
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89	1000	1000	1000
90	1000	1000	1000

11/10/2004 10:43 AM

$1-\alpha, \alpha_1, \alpha_2, \alpha_3, \alpha_4$	np_k	$inf / -inf$	$OFF-DE_k$	DE_k	$inf / -inf$	$OFF-DE_k$
0.05, 0.05, 0.05, 0.05, 0.05	100000	100000	45597	12380	100000	45597
0.05, 0.05, 0.05, 0.05, 0.05	100000	100000	53986	1026	100000	53986
0.05, 0.05, 0.05, 0.05, 0.05	100000	100000	5810	172	100000	5810
0.05, 0.05, 0.05, 0.05, 0.05	100000	100000	165387	13667	100000	165387

auto: 487-0988 MAYA

[illegible]

TRANSIT NETWORK ANALYSIS DATA

~~SECRET~~

Year	PCF, OF ALL VEH.	PCF, OF ALL VEH.	PCF, OF ALL VEH.
1960	59515	11042	65.2
1961	59842	11021	66.6
1962	6210	11761	66.8
1963	118076	243376	108.9
1964	2002393	4000000	199.6

	1	7493	91.1	6800	82.1	4980	91.1
---	---	6217	7.0	311	5.0	611	9.8
---	---	1126	---	---	---	---	---

UFF-pfak

6	91020	190.0	5328	100.0	5328	100.0
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ALL VEH.	ALL VEH.	ALL VEH.
43.3	50.1	43.9
1	1	1

	3	194571	5.5		5810	5+3		19179	6+2
4		1896972	198-0		10189	100+0		308447	100+0
TOTALS	SYS.	VAT	PCL OF		VAT	BCT OF			

	1	2	ALL MEN	ALL WOMEN
1.2504	81.9		68.8	85.6
1.0433	15.5		972	12.2
				872
				12.2

3	3218	2.6	119	2.2	179	2.2
4	12505	100.0	7098	100.0	7090	100.0

RAMSII NETWORK ANALYSIS DATA

1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-100	PEAK	PCT. OF DAY	OFF-PEAK	PCT. OF DAY	DAILY
1					
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1960-61	1961-62	1962-63	1963-64	1964-65	1965-66	1966-67	1967-68	1968-69	1969-70	1970-71	1971-72	1972-73	1973-74	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84	1984-85	1985-86	1986-87	1987-88	1988-89	1989-90	1990-91	1991-92	1992-93	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35	2035-36	2036-37	2037-38	2038-39	2039-40	2040-41	2041-42	2042-43	2043-44	2044-45	2045-46	2046-47	2047-48	2048-49	2049-50	2050-51	2051-52	2052-53	2053-54	2054-55	2055-56	2056-57	2057-58	2058-59	2059-60	2060-61	2061-62	2062-63	2063-64	2064-65	2065-66	2066-67	2067-68	2068-69	2069-70	2070-71	2071-72	2072-73	2073-74	2074-75	2075-76	2076-77	2077-78	2078-79	2079-80	2080-81	2081-82	2082-83	2083-84	2084-85	2085-86	2086-87	2087-88	2088-89	2089-90	2090-91	2091-92	2092-93	2093-94	2094-95	2095-96	2096-97	2097-98	2098-99	2099-00	2100-01	2101-02	2102-03	2103-04	2104-05	2105-06	2106-07	2107-08	2108-09	2109-10	2110-11	2111-12	2112-13	2113-14	2114-15	2115-16	2116-17	2117-18	2118-19	2119-20	2120-21	2121-22	2122-23	2123-24	2124-25	2125-26	2126-27	2127-28	2128-29	2129-30	2130-31	2131-32	2132-33	2133-34	2134-35	2135-36	2136-37	2137-38	2138-39	2139-40	2140-41	2141-42	2142-43	2143-44	2144-45	2145-46	2146-47	2147-48	2148-49	2149-50	2150-51	2151-52	2152-53	2153-54	2154-55	2155-56	2156-57	2157-58	2158-59	2159-60	2160-61	2161-62	2162-63	2163-64	2164-65	2165-66	2166-67	2167-68	2168-69	2169-70	2170-71	2171-72	2172-73	2173-74	2174-75	2175-76	2176-77	2177-78	2178-79	2179-80	2180-81	2181-82	2182-83	2183-84	2184-85	2185-86	2186-87	2187-88	2188-89	2189-90	2190-91	2191-92	2192-93	2193-94	2194-95	2195-96	2196-97	2197-98	2198-99	2199-00	2200-01	2201-02	2202-03	2203-04	2204-05	2205-06	2206-07	2207-08	2208-09	2209-10	2210-11	2211-12	2212-13	2213-14	2214-15	2215-16	2216-17	2217-18	2218-19	2219-20	2220-21	2221-22	2222-23	2223-24	2224-25	2225-26	2226-27	2227-28	2228-29	2229-30	2230-31	2231-32	2232-33	2233-34	2234-35	2235-36	2236-37	2237-38	2238-39	2239-40	2240-41	2241-42	2242-43	2243-44	2244-45	2245-46	2246-47	2247-48	2248-49	2249-50	2250-51	2251-52	2252-53	2253-54	2254-55	2255-56	2256-57	2257-58	2258-59	2259-60	2260-61	2261-62	2262-63	2263-64	2264-65	2265-66	2266-67	2267-68	2268-69	2269-70	2270-71	2271-72	2272-73	2273-74	2274-75	2275-76	2276-77	2277-78	2278-79	2279-80	2280-81	2281-82	2282-83	2283-84	2284-85	2285-86	2286-87	2287-88	2288-89	2289-90	2290-91	2291-92	2292-93	2293-94	2294-95	2295-96	2296-97	2297-98	2298-99	2299-00	2300-01	2301-02	2302-03	2303-04	2304-05	2305-06	2306-07	2307-08	2308-09	2309-10	2310-11	2311-12	2312-13	2313-14	2314-15	2315-16	2316-17	2317-18	2318-19	2319-20	2320-21	2321-22	2322-23	2323-24	2324-25	2325-26	2326-27	2327-28	2328-29	2329-30	2330-31	2331-32	2332-33	2333-34	2334-35	2335-36	2336-37	2337-38	2338-39	2339-40	2340-41	2341-42	2342-43	2343-44	2344-45	2345-46	2346-47	2347-48	2348-49	2349-50	2350-51	2351-52	2352-53	2353-54	2354-55	2355-56	2356-57	2357-58	2358-59	2359-60	2360-61	2361-62	2362-63	2363-64	2364-65	2365-66	2366-67	2367-68	2368-69	2369-70	2370-71	2371-72	2372-73	2373-74	2374-75	2375-76	2376-77	2377-78	2378-79	2379-80	2380-81	2381-82	2382-83	2383-84	2384-85	2385-86	2386-87	2387-88	2388-89	2389-90	2390-91	2391-92	2392-93	2393-94	2394-95	2395-96	2396-97	2397-98	2398-99	2399-00	2400-01	2401-02	2402-03	2403-04	2404-05	2405-06	2406-07	2407-08	2408-09	2409-10	2410-11	2411-12	2412-13	2413-14	2414-15	2415-16	2416-17	2417-18	2418-19	2419-20	2420-21	2421-22	2422-23	2423-24	2424-25	2425-26	2426-27	2427-28	2428-29	2429-30	2430-31	2431-32	2432-33	2433-34	2434-35	2435-36	2436-37	2437-38	2438-39	2439-40	2440-41	2441-42	2442-43	2443-44	2444-45	2445-46	2446-47	2447-48	2448-49	2449-50	2450-51	2451-52	2452-53	2453-54	2454-55	2455-56	2456-57	2457-58	2458-59	2459-60	2460-61	2461-62	2462-63	2463-64	2464-65	2465-66	2466-67	2467-68	2468-69	2469-70	2470-71	2471-72	2472-73	2473-74	2474-75	2475-76	2476-77	2477-78	2478-79	2479-80	2480-81	2481-82	2482-83	2483-84	2484-85	2485-86	2486-87	2487-88	2488-89	2489-90	2490-91	2491-92	2492-93	2493-94	2494-95	2495-96	2496-97	2497-98	2498-99	2499-00	2500-01	2501-02	2502-03	2503-04	2504-05	2505-06	2506-07	2507-08	2508-09	2509-10	2510-11	2511-12	2512-13	2513-14	2514-15	2515-16	2516-17	2517-18	2518-19	2519-20	2520-21	2521-22	2522-23	2523-24	2524-25	2525-26	2526-27	2527-28	2528-29	2529-30	2530-31	2531-32	2532-33	2533-34	2534-35	2535-36	2536-37	2537-38	2538-39	2539-40	2540-41	2541-42	2542-43	2543-44	2544-45	2545-46	2546-47	2547-48	2548-49	2549-50	2550-51	2551-52	2552-53	2553-54	2554-55	2555-56	2556-57	2557-58	2558-59	2559-60	2560-61	2561-62	2562-63	2563-64	2564-65	2565-66	2566-67	2567-68	2568-69	2569-70	2570-71	2571-72	2572-73	2573-74	2574-75	2575-76	2576-77	2577-78	2578-79	2579-80	2580-81	2581-82	2582-83	2583-84	2584-85	2585-86	2586-87	2587-88	2588-89	2589-90	2590-91	2591-92	2592-93	2593-94	2594-95	2595-96	2596-97	2597-98	2598-99	2599-00	2600-01	2601-02	2602-03	2603-04	2604-05	2605-06	2606-07	2607-08	2608-09	2609-10	2610-11	2611-12	2612-13	2613-14	2614-15	2615-16	2616-17	2617-18	2618-19	2619-20	2620-21	2621-22	2622-23	2623-24	2624-25	2625-26	2626-27	2627-28	2628-29	2629-30	2630-31	2631-32	2632-33	2633-34	2634-35	2635-36	2636-37	2637-38	2638-39	2639-40	2640-41	2641-42	2642-43	2643-44	2644-45	2645-46	2646-47	2647-48	2648-49	2649-50	2650-51	2651-52	2652-53	2653-54	2654-55	2655-56	2656-57	2657-58	2658-59	2659-60	2660-61	2661-62	2662-63	2663-64	2664-65	2665-66	2666-67	2667-68	2668-69	2669-70	2670-71	2671-72	2672-73	2673-74	2674-75	2675-76	2676-77	2677-78	2678-79	2679-80	2680-81	2681-82	2682-83	2683-84	2684-85	2685-86	2686-87	2687-88	2688-89	2689-90	2690-91	2691-92	2692-93	2693-94	2694-95	2695-96	2696-97	2697-98	2698-99	2699-00	2700-01	2701-02	2702-03	2703-04	2704-05	2705-06	2706-07	2707-08	2708-09	2709-10	2710-11	2711-12	2712-13	2713-14	2714-15	2715-16	2716-17	2717-18	2718-19	2719-20	2720-21	2721-22	2722-23	2723-24	2724-25	2725-26	2726-27	2727-28	2728-29	2729-30	2730-31	2731-32	2732-33	2733-34	2734-35	2735-36	2736-37	2737-38	2738-39	2739-40	2740-41	2741-42	2742-43	2743-44	2744-45	2745-46	2746-47	2747-48	2748-49	2749-50	2750-51	2751-52	2752-53	2753-54	2754-55	2755-56	2756-57	2757-58	2758-59	2759-60	2760-61	2761-62	2762-63	2763-64	2764-65	2765-66	2766-67	2767-68	2768-69	2769-70	2770-71	2771-72	2772-73	2773-74	2774-75	2775-76	2776-77	2777-78	2778-79	2779-80	2780-81	2781-82	2782-83	2783-84	2784-85	2785-86	2786-87	2787-88	2788-89	2789-90	2790-91	2791-92	2792-93	2793-94	2794-95	2795-96	2796-97	2797-98	2798-99	2799-00	2800-01	2801-02	2802-03	2803-04	2804-05	2805-06	2806-07	2807-08	2808-09	2809-10	2810-11	2811-12	2812-13	2813-14	2814-15	2815-16	2816-17	2817-18	2818-19	2819-20	2820-21	2821-22	2822-23	2823-24	2824-25	2825-26	2826-27	2827-28	2828-29	2829-30	2830-31	2831-32	2832-33	2833-34	2834-35	2835-36	2836-37	2837-38	2838-39	2839-40	2840-41	2841-42	2842-43	2843-44	2844-45	2845-46	2846-47	2847-48	2848-49	2849-50	2850-51	2851-52	2852-53	2853-54	2854-55	2855-56	2856-57	2857-58	2858-59	2859-60	2860-61	2861-62	2862-63	2863-64	2864-65	2865-66	2866-67	2867-68	2868-69	2869-70	2870-71	2871-72	2872-73	2873-74	2874-75	2875-76	2876-77	2877-78	2878-79	2879-80	2880-81	2881-82	2882-83	2883-84	2884-85	2885-86	2886-87	2887-88	2888-89	2889-90	2890-91	2891-92	2892-93	2893-94	2894-95	2895-96	2896-97	2897-98	2898-99	2899-00	2900-01	2901-02	2902-03	2903-04	2904-05	2905-06	2906-07	2907-08	2908-09	2909-10	2910-11	2911-12	
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	Peak	PCT. OF NAV	OFF-PEAK	PCT. OF DAY	DAILY
Ref	1054000	\$2.1	871000	83.9	

	λ
2001	246
0.04	115
0.05	115
0.06	115
0.07	115
0.08	115
0.09	115
0.10	115
0.11	115
0.12	115
0.13	115
0.14	115
0.15	115
0.16	115
0.17	115
0.18	115
0.19	115
0.20	115
0.21	115
0.22	115
0.23	115
0.24	115
0.25	115
0.26	115
0.27	115
0.28	115
0.29	115
0.30	115
0.31	115
0.32	115
0.33	115
0.34	115
0.35	115
0.36	115
0.37	115
0.38	115
0.39	115
0.40	115
0.41	115
0.42	115
0.43	115
0.44	115
0.45	115
0.46	115
0.47	115
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0.50	115
0.51	115
0.52	115
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0.58	115
0.59	115
0.60	115
0.61	115
0.62	115
0.63	115
0.64	115
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0.66	115
0.67	115
0.68	115
0.69	115
0.70	115
0.71	115
0.72	115
0.73	115
0.74	115
0.75	115
0.76	115
0.77	115
0.78	115
0.79	115
0.80	115
0.81	115
0.82	115
0.83	115
0.84	115
0.85	115
0.86	115
0.87	115
0.88	115
0.89	115
0.90	115
0.91	115
0.92	115
0.93	115
0.94	115
0.95	115
0.96	115
0.97	115
0.98	115
0.99	115
1.00	115

	Peak	PCI, OF mÅ	NF- π EAC	PCI, OF Day	Daily
—	241				
VAT	1137.4	52.1	106571	67.9	210312
Day1	1029	26.4	2218	79.6	4297
Day2	1016	5			

	$\rho_{CT} = 0.6$	$\rho_{CT} = 0.65$	$\rho_{CT} = 0.7$	$\rho_{CT} = 0.75$	$\rho_{CT} = 0.8$	$\rho_{CT} = 0.85$	$\rho_{CT} = 0.9$	$\rho_{CT} = 0.95$	$\rho_{CT} = 1.0$
$\rho_{CT} = 0.6$	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
$\rho_{CT} = 0.65$	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
$\rho_{CT} = 0.7$	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
$\rho_{CT} = 0.75$	0.996	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000
$\rho_{CT} = 0.8$	0.993	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000
$\rho_{CT} = 0.85$	0.989	0.993	0.996	0.998	0.999	1.000	1.000	1.000	1.000
$\rho_{CT} = 0.9$	0.984	0.989	0.993	0.996	0.998	0.999	1.000	1.000	1.000
$\rho_{CT} = 0.95$	0.978	0.984	0.989	0.993	0.996	0.998	0.999	1.000	1.000
$\rho_{CT} = 1.0$	0.971	0.978	0.984	0.989	0.993	0.996	0.998	0.999	1.000

9-1	52.1	188972	47.9	368276
10-1	39.9	125245	60.5	256904
11-1	52.1	165139	47.9	227744
12-1	48.0	17900	60.0	13310
13-1	52.1	188972	47.9	368276
14-1	39.9	125245	60.5	256904
15-1	52.1	165139	47.9	227744
16-1	48.0	17900	60.0	13310
17-1	52.1	188972	47.9	368276
18-1	39.9	125245	60.5	256904
19-1	52.1	165139	47.9	227744
20-1	48.0	17900	60.0	13310

TRANSIT MARKING CAPITAL COST SECTION

TRANSIT-EQUALITY MARKING CONSTRUCTION CAPITAL COST

CONVENTIONAL BUS

MIN COST LAND AREA

TYPE FACIL.	UNITS VEH. SP.	PGT. OF TOT. UNITS	PGT. OF TOT. COST	PGT. OF TOT. COST
FACILITY 1	0	100	600	0
FACILITY 2	0	100	0	0
FACILITY 3	0	100	0	0
FACILITY 4	0	100	0	0
ALL FAC.	0	100	0	0

CONVENTIONAL BUS

MIN COST LAND AREA

TYPE FACIL.	UNITS VEH. SP.	PGT. OF TOT. UNITS	PGT. OF TOT. COST	PGT. OF TOT. COST
FACILITY 1	0	100	600	0
FACILITY 2	0	100	0	0
FACILITY 3	0	100	0	0
FACILITY 4	0	100	0	0
ALL FAC.	0	100	0	0

TRANSIT CAPITAL COST SUMMARY

TRANSIT SYSTEM 1	UNITS	TOTAL COST	ANNUAL COST	ANNUAL COST + INT.
WAY	0	0	0	0
VEHICLE	30	120000	112000	100130
STORAGE	100	400000	200000	470270
MARKT.	12	103000	3225	10092
TERMINAL	200	600000	300000	771000
PARKING	900	41000	13550	40230
TOTALS		1280000	633377	1001170
TRANSIT SYSTEM 2	UNITS	TOTAL COST	ANNUAL COST	ANNUAL COST + INT.
WAY	20	870000	210000	900000
VEHICLE	60	1500000	500000	1001100
STORAGE	900	2500000	1000000	2000000
MARKT.	30	63000	10000	60000
TERMINAL	20	900000	300000	900000
PARKING	1000	1100000	430000	1200000
TOTALS		6060000	2100000	2300000

TRANSIT-EQUALITY MARKING

TYPE	UNITS	PGT. OF TOT. UNITS	PGT. OF TOT. COST	PGT. OF TOT. COST
WAY	0	100	0	0
VEHICLE	30	100	11000	220
STORAGE	100	100	30000	600
MARKT.	12	100	10000	200
TERMINAL	200	100	40000	800
PARKING	900	100	10000	200
TOTALS			100000	2000

TRANSIT-EQUALITY MARKING

TYPE	UNITS	PGT. OF TOT. UNITS	PGT. OF TOT. COST	PGT. OF TOT. COST
WAY	0	100	0	0
VEHICLE	30	100	11000	220
STORAGE	100	100	30000	600
MARKT.	12	100	10000	200
TERMINAL	200	100	40000	800
PARKING	900	100	10000	200
TOTALS			100000	2000

TRANSIT-EQUALITY MARKING

TYPE	UNITS	PGT. OF TOT. UNITS	PGT. OF TOT. COST	PGT. OF TOT. COST
WAY	0	100	0	0
VEHICLE	30	100	11000	220
STORAGE	100	100	30000	600
MARKT.	12	100	10000	200
TERMINAL	200	100	40000	800
PARKING	900	100	10000	200
TOTALS			100000	2000

TRANSIT SYSTEM 3

TRANSIT SYSTEM 3	UNITS	TOTAL COST	ANNUAL COST	ANNUAL COST + INT.
WAY	0	0	0	0
VEHICLE	30	120000	112000	100130
STORAGE	100	400000	200000	470270
MARKT.	12	103000	3225	10092
TERMINAL	200	600000	300000	771000
PARKING	900	41000	13550	40230
TOTALS		1280000	633377	1001170
TRANSIT SYSTEM 4	UNITS	TOTAL COST	ANNUAL COST	ANNUAL COST + INT.
WAY	20	870000	210000	900000
VEHICLE	60	1500000	500000	1001100
STORAGE	900	2500000	1000000	2000000
MARKT.	30	63000	10000	60000
TERMINAL	20	900000	300000	900000
PARKING	1000	1100000	430000	1200000
TOTALS		6060000	2100000	2300000

TRANSIT TERMINAL CAPITAL COST SECTION

TRANSIT TERMINAL LAND ACQUISITION CAPITAL COSTS

CONVENTIONAL BUS
HIGH COST LAND AREA

TYPE TERM.	UNITS ACRES	PCT. OF TOT. UNITS	UNIT COST \$/ACRE	COST \$	PCT. OF TOT. COST
TERMINAL 1	0	100	0	0	100
TERMINAL 2	0	100	0	0	100
TERMINAL 3	0	100	0	0	100
TERMINAL 4	0	100	0	0	100
ALL TERM.	0	100	0	0	100

CONVENTIONAL BUS

Medium Cost Land Area

TYPE TERM.	UNITS ACRES	PCT. OF TOT. UNITS	UNIT COST \$/ACRE	COST \$	PCT. OF TOT. COST
TERMINAL 1	0	0	0	0	0
TERMINAL 2	6	100	72500	299400	100
TERMINAL 3	0	0	0	0	0
TERMINAL 4	0	0	0	0	0
ALL TERM.	6	100	72500	299400	100

TRANSIT PARKING CAPITAL COST SECTION

TRANSIT TERMINAL CAPITAL COST SECTION

TRANSIT TERMINAL CONSTRUCTION CAPITAL COSTS

CONVENTIONAL BUS

HIGH COST LAND AREA

TYPE TERM.	UNITS SQ. FT.	PCT. OF TOT. UNITS	UNIT COST \$/SQ. FT.	COST \$	PCT. OF TOT. COST
TERMINAL 1	0	100	10	0	100
TERMINAL 2	0	100	24	0	100
TERMINAL 3	0	100	133	0	100
TERMINAL 4	0	100	0	0	100
ALL TERM.	0	100	0	0	100

CONVENTIONAL BUS

Medium Cost Land Area

TYPE TERM.	UNITS SQ. FT.	PCT. OF TOT. UNITS	UNIT COST \$/SQ. FT.	COST \$	PCT. OF TOT. COST
TERMINAL 1	0	0	10	0	0
TERMINAL 2	100000	100	20	2000000	100
TERMINAL 3	0	0	133	0	0
TERMINAL 4	0	0	0	0	0
ALL TERM.	100000	100	20	2000000	100

TRANSIT 1 TRANSIT ANNUAL COST TABLE

TERM.	LAND TERM.	200	670000	200	10	2000	67000	2001	10	200	0	1	7
TERM.	CON. TERM.	200	600000	20	10	300000	70000	21000	1070	2010	01	00	03
TERMINAL 1 TERM.	200	660000	300000	770000	23000	1001	2710	100	100	100			

TRANSIT 2 TRANSIT ANNUAL COST TABLE

TERM.	LAND TERM.	20	600000	200	10	1201	2000	120107	610	12013	0	1	0
TERM.	CON. TERM.	20	600000	50	10	907000	607017	230000	67000	20107	00	00	00
TERMINAL 2 TERM.	20	500000	600013	507017	2017127	60000	203770	100	100	100			

TRANSIT 3 TRANSIT ANNUAL COST TABLE

TERM.	LAND TERM.	60	600000	200	10	1201	2000	20007	102	2007	0	2	0
TERM.	CON. TERM.	13	600000	50	10	87000	607000	210000	6700	33007	00	00	00
TERMINAL 3 TERM.	13	600010	60531	600300	330000	6010	20070	100	100	100			

TRANSIT TERMINAL PARKING LAND ACQUISITION CAPITAL

CONVENTIONAL BUS
HIGH COST LAND AREA

TYPE FACIL.	UNITS SQ. FT.	PCT. OF TOT. UNITS	UNIT COST \$/SQ. FT.	COST \$	PCT. OF TOT. COST
FACILITY 1	0	100	0	0	100
FACILITY 2	0	100	0	0	100
FACILITY 3	0	100	0	0	100
FACILITY 4	0	100	0	0	100
ALL FAC.	0	100	0	0	100

CONVENTIONAL BUS

Medium Cost Land Area

TYPE FACIL.	UNITS SQ. FT.	PCT. OF TOT. UNITS	UNIT COST \$/SQ. FT.	COST \$	PCT. OF TOT. COST
FACILITY 1	0	100	0	0	100
FACILITY 2	0	100	0	0	100
FACILITY 3	0	100	0	0	100
FACILITY 4	0	100	0	0	100
ALL FAC.	0	100	0	0	100

TRANSIT VEHICLE CAPITAL COST SECTION

TRANSIT VEHICLE CAPITAL COSTS

VEHICLE TYPE	UNIT -VE	TOTAL UNITS	CONTRACT LIFE IN YEARS	TOTAL COST	PCT. OF TOTAL COST
Transit 1	0	33	45000	1350000	0
Transit 2	0	67	45000	1350000	0
Transit 3	0	0	45000	0	0
Transit 4	0	0	45000	0	0
ALL TRANSIT	0	100	181007	16350000	100

TRANSIT 1 ANNUAL COST TABLE

UNIT -VE	TOTAL UNITS	CONTRACT LIFE IN YEARS	TOTAL COST	PCT. OF TOTAL COST
Transit 1	0	12	112500	6800
Transit 2	0	12	112500	6800
Transit 3	0	12	112500	6800
Transit 4	0	12	112500	6800
ALL TRANSIT	0	12	448500	2760

TRANSIT STORAGE CAPITAL COST SECTION

TRANSIT STORAGE LEASE ACQUISITION CAPITAL COSTS

CONSTRUCTION COSTS

TYPE LAND	UNIT -VE	TOTAL UNITS	CONTRACT LIFE IN YEARS	TOTAL COST	PCT. OF TOTAL COST
Land 1	0	0	45000	0	0
Land 2	0	0	45000	0	0
Land 3	1	100	45000	44353	100
ALL LAND	1	100	45000	44353	100

MAINTENANCE

TYPE LAND	UNIT -VE	TOTAL UNITS	CONTRACT LIFE IN YEARS	TOTAL COST	PCT. OF TOTAL COST
Land 1	0	0	45000	0	0
Land 2	0	0	45000	0	0
Land 3	1	100	45000	34945	100
ALL LAND	1	100	45000	34945	100

TRANSIT 2 ANNUAL COST TABLE

UNIT -VE	TOTAL UNITS	CONTRACT LIFE IN YEARS	TOTAL COST	PCT. OF TOTAL COST
Transit 2	0	25	135000	833
Transit 3	0	25	135000	833
Transit 4	0	25	135000	833
ALL TRANSIT	0	25	405000	2500

TRANSIT 3 ANNUAL COST TABLE

UNIT -VE	TOTAL UNITS	CONTRACT LIFE IN YEARS	TOTAL COST	PCT. OF TOTAL COST
Transit 3	0	25	135000	833
Transit 4	0	25	135000	833
Transit 5	0	25	135000	833
ALL TRANSIT	0	25	405000	2500

TRANSIT STORAGE CAPITAL COST SECTION

TRANSIT STORAGE CONSTRUCTION CAPITAL COSTS

CONSTRUCTION COSTS

TYPE LAND	UNIT -VE	TOTAL UNITS	CONTRACT LIFE IN YEARS	TOTAL COST	PCT. OF TOTAL COST
Land 1	0	0	45000	0	0
Land 2	0	0	45000	0	0
Land 3	1	100	45000	440000	100
ALL LAND	1	100	45000	440000	100

MAINTENANCE

TYPE LAND	UNIT -VE	TOTAL UNITS	CONTRACT LIFE IN YEARS	TOTAL COST	PCT. OF TOTAL COST
Land 1	0	0	45000	0	0
Land 2	0	0	45000	0	0
Land 3	1	100	45000	2500000	100
ALL LAND	1	100	45000	2500000	100

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LEADERS	PERCENTAGE WINS	PERCENTAGE TIES	PERCENTAGE LOSSES	PERCENTAGE WINS	PERCENTAGE TIES	PERCENTAGE LOSSES
LEADERS	0	100	0	0	100	0
LEADERS	0	100	0	0	100	0
LEADERS	0	100	0	0	100	0
ALL LEADERS	0	100	0	0	100	0

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	MISSING VALUES	TOTAL TITLES	COUNT IN SAMPLE	COUNT IN TOTAL POP.
ALL TITLES	0	168	0	168
ALL MISSING	0	168	0	168
ALL NON-MISSING	0	168	0	168
ALL TOTALS	0	168	0	168

AT-GRADE CONSTRUCTION

TRUCKS	DISTANCE MILES	NO. OF GALS. OF FUEL CONSUMED	NO. OF TONS
Transit-1	0	0	0
Transit-2	23	42	93
Transit-3	5	10	7
Transit-4	0	0	0
ALL TRUCKS	28	52	100

MELODY GRADE CONSTRUCTIVISM

MODE TYPES	DISTANCE MILES	PCT. OF COST PER MILE MILE	WHAILE \$	COST \$	TOT. COST \$
TRANSIT 1	0	100	5,000.00	0	100
TRANSIT 2	0	100	5,000.00	0	100
TRANSIT 3	0	100	4,000.00	0	100
TRANSIT 4	0	100	5,000.00	0	100
TRANSIT 5	0	100	0	0	100

TRANSIT DAY CONSTRUCTION CAPITAL COSTS

See TRAINING

CONSTRUCTION TYPE	DISTANCE MILES	PER. OF MILES	PER. OF MILE	COST \$	PER. OF TOT. COST
CONST. 1	0	100	1,000,000	0	100
CONST. 2	0	100	500,000	0	100
CONST. 3	0	100	250,000	0	100
CONST. 4	0	100	150,000	0	100
ALL-CONST.	0	100	"	0	100

~~WAB 20-0012~~

Construction-stage	distance miles	pcr. of cost re-mill %	cost \$	pcr. of tot. cost %
CONST. 1	23	93	3,000,000	60.000000
CONST. 2	4	0	500,000	0
CONST. 3	1	3	300,000	3
CONST. 4	1	4	150,000	10
ALL CONST.	26	100	3,850,000	100

$$T_{\text{max}} \rightarrow \text{b} | Y \quad | \quad | \rightarrow \text{b} | S : T \quad A_1, A_2, \dots, A_n \quad C \cup \text{b} Y \quad \neq \text{b} | E$$
[illegible]TABLE 1
TRANSIT ANNUAL CUEF TABLE[illegible]

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