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**KENTUCKY POWER COMPANY**

**INTEGRATED RESOURCE PLANNING REPORT  
TO THE  
KENTUCKY PUBLIC SERVICE COMMISSION**

**CHAPTER 2, APPENDIX**

**VOLUME B**

**BOOK 1 OF 3**

**Case No. 2009-00339**

**August 17, 2009**

## SHORT-TERM CUSTOMERS

Kentucky Power Company  
Customer Models

Revcls-Revenue Class

- 1-Residential
- 2-Commercial
- 3.1 Small Industrial
- 3.15 Small Mine Power
- 3.2 Large Industrial
- 3.25 Large Mine Power
- 3.4 Other Retail

Cust-Number of Customers

Time-Time

res1, res2, com1, com2, com3, com4, ind1, ind2, ind3, ind4, or1, o2, or3, or4, 05, or6

(Binary Variables)

days=Billing Days

Customer\_Model\_Input

YEAR	MONTH	REVCLS	CUST	DAYS	time	res1	res2	com1	com3	com4	ind1	ind2
1998	1	1	142740	32.87684	1/1/1998	0	0	0	0	0	0	0
1998	1	2	24122	32.94005	1/1/1998	0	0	0	0	0	0	0
1998	1	3.1	1068	31.34318	1/1/1998	0	0	0	0	0	0	0
1998	1	3.15	557	32.12939	1/1/1998	0	0	0	0	0	0	0
1998	1	3.2		31.34318	1/1/1998	0	0	0	0	0	0	0
1998	1	3.25		32.12939	1/1/1998	0	0	0	0	0	0	0
1998	1	4	601	31.50908	1/1/1998	0	0	0	0	0	0	0
1998	2	1	142471	29.37521	2/1/1998	0	0	0	0	0	0	0
1998	2	2	24003	29.66339	2/1/1998	0	0	0	0	0	0	0
1998	2	3.1	1079	29.29509	2/1/1998	0	0	0	0	0	0	0
1998	2	3.15	583	29.49731	2/1/1998	0	0	0	0	0	0	0
1998	2	3.2		29.29509	2/1/1998	0	0	0	0	0	0	0
1998	2	3.25		29.49731	2/1/1998	0	0	0	0	0	0	0
1998	2	4	475	28.67703	2/1/1998	0	0	0	0	0	0	0
1998	3	1	142614	28.94179	3/1/1998	0	0	0	0	0	0	0
1998	3	2	23841	29.11042	3/1/1998	0	0	0	0	0	0	0
1998	3	3.1	1027	30.01376	3/1/1998	0	0	0	0	0	0	0
1998	3	3.15	588	29.75288	3/1/1998	0	0	0	0	0	0	0
1998	3	3.2		30.01376	3/1/1998	0	0	0	0	0	0	0
1998	3	3.25		29.75288	3/1/1998	0	0	0	0	0	0	0
1998	3	4	480	30.60773	3/1/1998	0	0	0	0	0	0	0
1998	4	1	142771	29.72901	4/1/1998	0	0	0	0	0	0	0
1998	4	2	24158	29.95311	4/1/1998	0	0	0	0	0	0	0
1998	4	3.1	1094	30.2547	4/1/1998	0	0	0	0	0	0	0
1998	4	3.15	651	29.6743	4/1/1998	0	0	0	0	0	0	0
1998	4	3.2		30.2547	4/1/1998	0	0	0	0	0	0	0
1998	4	3.25		29.6743	4/1/1998	0	0	0	0	0	0	0
1998	4	4	477	30.02336	4/1/1998	0	0	0	0	0	0	0
1998	5	1	142280	29.4396	5/1/1998	0	0	0	0	0	0	0
1998	5	2	24055	29.57631	5/1/1998	0	0	0	0	0	0	0
1998	5	3.1	1049	29.92142	5/1/1998	0	0	0	0	0	0	0
1998	5	3.15	578	28.83606	5/1/1998	0	0	0	0	0	0	0
1998	5	3.2		29.92142	5/1/1998	0	0	0	0	0	0	0
1998	5	3.25		28.83606	5/1/1998	0	0	0	0	0	0	0
1998	5	4	478	30.6457	5/1/1998	0	0	0	0	0	0	0
1998	6	1	142257	30.59583	6/1/1998	0	0	0	0	0	0	0

Customer\_Model\_Input

YEAR	MONTH	REVCLS	CUST	DAYS	time	res1	res2	com1	com3	com4	ind1	ind2
1998	6	2	24137	31.08907	6/1/1998	0	0	0	0	0	0	0
1998	6	3.1	1064	30.73023	6/1/1998	0	0	0	0	0	0	0
1998	6	3.15	573	30.05578	6/1/1998	0	0	0	0	0	0	0
1998	6	3.2		30.73023	6/1/1998	0	0	0	0	0	0	0
1998	6	3.25		30.05578	6/1/1998	0	0	0	0	0	0	0
1998	6	4	478	30.30709	6/1/1998	0	0	0	0	0	0	0
1998	7	1	142397	30.24007	7/1/1998	0	0	0	0	0	0	0
1998	7	2	24307	30.59889	7/1/1998	0	0	0	0	0	0	0
1998	7	3.1	1071	30.7164	7/1/1998	0	0	0	0	0	0	0
1998	7	3.15	605	30.71526	7/1/1998	0	0	0	0	0	0	0
1998	7	3.2		30.7164	7/1/1998	0	0	0	0	0	0	0
1998	7	3.25		30.71526	7/1/1998	0	0	0	0	0	0	0
1998	7	4	475	30.94345	7/1/1998	0	0	0	0	0	0	0
1998	8	1	142602	29.07755	8/1/1998	0	0	0	0	0	0	0
1998	8	2	24303	29.12294	8/1/1998	0	0	0	0	0	0	0
1998	8	3.1	1059	30.52708	8/1/1998	0	0	0	0	0	0	0
1998	8	3.15	598	29.13308	8/1/1998	0	0	0	0	0	0	0
1998	8	3.2		30.52708	8/1/1998	0	0	0	0	0	0	0
1998	8	3.25		29.13308	8/1/1998	0	0	0	0	0	0	0
1998	8	4	473	30.6068	8/1/1998	0	0	0	0	0	0	0
1998	9	1	142455	30.12568	9/1/1998	0	0	0	0	0	0	0
1998	9	2	24368	30.43004	9/1/1998	0	0	0	0	0	0	0
1998	9	3.1	1055	30.2275	9/1/1998	0	0	0	0	0	0	0
1998	9	3.15	561	30.72314	9/1/1998	0	0	0	0	0	0	0
1998	9	3.2		30.2275	9/1/1998	0	0	0	0	0	0	0
1998	9	3.25		30.72314	9/1/1998	0	0	0	0	0	0	0
1998	9	4	467	30.0889	9/1/1998	0	0	0	0	0	0	0
1998	10	1	142643	29.41782	10/1/1998	0	0	0	0	0	0	0
1998	10	2	24315	29.79386	10/1/1998	0	0	0	0	0	0	0
1998	10	3.1	1060	30.46241	10/1/1998	0	0	0	0	0	0	0
1998	10	3.15	591	29.44436	10/1/1998	0	0	0	0	0	0	0
1998	10	3.2		30.46241	10/1/1998	0	0	0	0	0	0	0
1998	10	3.25		29.44436	10/1/1998	0	0	0	0	0	0	0
1998	10	4	523	30.75693	10/1/1998	0	0	0	0	0	0	0
1998	11	1	142896	29.17203	11/1/1998	0	0	0	0	0	0	0
1998	11	2	24496	29.53779	11/1/1998	0	0	0	0	0	0	0

Customer\_Model\_Input

YEAR	MONTH	REVCLS	CUST	DAYS	time	res1	res2	com1	com3	com4	ind1	ind2
1998	11	3.1	1080	29.96041	11/1/1998	0	0	0	0	0	0	0
1998	11	3.15	723	29.73279	11/1/1998	0	0	0	0	0	0	0
1998	11	3.2		29.96041	11/1/1998	0	0	0	0	0	0	0
1998	11	3.25		29.73279	11/1/1998	0	0	0	0	0	0	0
1998	11	4	536	29.95855	11/1/1998	0	0	0	0	0	0	0
1998	12	1	143048	32.07434	12/1/1998	0	0	0	0	0	0	0
1998	12	2	24450	32.28276	12/1/1998	0	0	0	0	0	0	0
1998	12	3.1	1070	31.90781	12/1/1998	0	0	0	0	0	0	0
1998	12	3.15	589	33.13144	12/1/1998	0	0	0	0	0	0	0
1998	12	3.2		31.90781	12/1/1998	0	0	0	0	0	0	0
1998	12	3.25		33.13144	12/1/1998	0	0	0	0	0	0	0
1998	12	4	525	31.23566	12/1/1998	0	0	0	0	0	0	0
1999	1	1	143197	32.87684	1/1/1999	0	0	0	0	0	0	0
1999	1	2	24422	32.94005	1/1/1999	0	0	0	0	0	0	0
1999	1	3.1	1056	31.34318	1/1/1999	0	0	0	0	0	0	0
1999	1	3.15	605	32.12939	1/1/1999	0	0	0	0	0	0	0
1999	1	3.2	5	31.34318	1/1/1999	0	0	0	0	0	0	0
1999	1	3.25	2	32.12939	1/1/1999	0	0	0	0	0	0	0
1999	1	4	525	31.50908	1/1/1999	0	0	0	0	0	0	0
1999	2	1	143168	29.37521	2/1/1999	0	0	0	0	0	0	0
1999	2	2	24467	29.66339	2/1/1999	0	0	0	0	0	0	0
1999	2	3.1	1056	29.29509	2/1/1999	0	0	0	0	0	0	0
1999	2	3.15	596	29.49731	2/1/1999	0	0	0	0	0	0	0
1999	2	3.2	5	29.29509	2/1/1999	0	0	0	0	0	0	0
1999	2	3.25	2	29.49731	2/1/1999	0	0	0	0	0	0	0
1999	2	4	526	28.67703	2/1/1999	0	0	0	0	0	0	0
1999	3	1	143337	28.94179	3/1/1999	0	0	0	0	0	0	0
1999	3	2	24536	29.11042	3/1/1999	0	0	0	0	0	0	0
1999	3	3.1	1056	30.01376	3/1/1999	0	0	0	0	0	0	0
1999	3	3.15	595	29.75288	3/1/1999	0	0	0	0	0	0	0
1999	3	3.2	5	30.01376	3/1/1999	0	0	0	0	0	0	0
1999	3	3.25	2	29.75288	3/1/1999	0	0	0	0	0	0	0
1999	3	4	526	30.60773	3/1/1999	0	0	0	0	0	0	0
1999	4	1	143195	29.72901	4/1/1999	0	0	0	0	0	0	0
1999	4	2	24622	29.95311	4/1/1999	0	0	0	0	0	0	0
1999	4	3.1	1052	30.2547	4/1/1999	0	0	0	0	0	0	0

Customer\_Model\_Input

YEAR	MONTH	REVCLS	CUST	DAYS	time	res1	res2	com1	com3	com4	ind1	ind2
1999	4	3.15	589	29.6743	4/1/1999	0	0	0	0	0	0	0
1999	4	3.2	5	30.2547	4/1/1999	0	0	0	0	0	0	0
1999	4	3.25	2	29.6743	4/1/1999	0	0	0	0	0	0	0
1999	4	4	527	30.02336	4/1/1999	0	0	0	0	0	0	0
1999	5	1	142917	29.4396	5/1/1999	0	0	0	0	0	0	0
1999	5	2	24638	29.57631	5/1/1999	0	0	0	0	0	0	0
1999	5	3.1	1048	29.92142	5/1/1999	0	0	0	0	0	0	0
1999	5	3.15	584	28.83606	5/1/1999	0	0	0	0	0	0	0
1999	5	3.2	5	29.92142	5/1/1999	0	0	0	0	0	0	0
1999	5	3.25	2	28.83606	5/1/1999	0	0	0	0	0	0	0
1999	5	4	527	30.6457	5/1/1999	0	0	0	0	0	0	0
1999	6	1	142951	30.59583	6/1/1999	0	0	0	0	0	0	0
1999	6	2	24696	31.08907	6/1/1999	0	0	0	0	0	0	0
1999	6	3.1	1052	30.73023	6/1/1999	0	0	0	0	0	0	0
1999	6	3.15	578	30.05578	6/1/1999	0	0	0	0	0	0	0
1999	6	3.2	5	30.73023	6/1/1999	0	0	0	0	0	0	0
1999	6	3.25	2	30.05578	6/1/1999	0	0	0	0	0	0	0
1999	6	4	529	30.30709	6/1/1999	0	0	0	0	0	0	0
1999	7	1	142955	30.24007	7/1/1999	0	0	0	0	0	0	0
1999	7	2	24793	30.59889	7/1/1999	0	0	0	0	0	0	0
1999	7	3.1	1056	30.7164	7/1/1999	0	0	0	0	0	0	0
1999	7	3.15	571	30.71526	7/1/1999	0	0	0	0	0	0	0
1999	7	3.2	5	30.7164	7/1/1999	0	0	0	0	0	0	0
1999	7	3.25	2	30.71526	7/1/1999	0	0	0	0	0	0	0
1999	7	4	532	30.94345	7/1/1999	0	0	0	0	0	0	0
1999	8	1	143050	29.07755	8/1/1999	0	0	0	0	0	0	0
1999	8	2	24858	29.12294	8/1/1999	0	0	0	0	0	0	0
1999	8	3.1	1056	30.52708	8/1/1999	0	0	0	0	0	0	0
1999	8	3.15	566	29.13308	8/1/1999	0	0	0	0	0	0	0
1999	8	3.2	4	30.52708	8/1/1999	0	0	0	0	0	0	0
1999	8	3.25	2	29.13308	8/1/1999	0	0	0	0	0	0	0
1999	8	4	530	30.6068	8/1/1999	0	0	0	0	0	0	0
1999	9	1	143099	30.12568	9/1/1999	0	0	0	0	0	0	0
1999	9	2	24884	30.43004	9/1/1999	0	0	0	0	0	0	0
1999	9	3.1	1055	30.2275	9/1/1999	0	0	0	0	0	0	0
1999	9	3.15	597	30.72314	9/1/1999	0	0	0	0	0	0	0

Customer\_Model\_Input

YEAR	MONTH	REVCLS	CUST	DAYS	time	res1	res2	com1	com3	com4	ind1	ind2
1999	9	3.2	5	30.2275	9/1/1999	0	0	0	0	0	0	0
1999	9	3.25	2	30.72314	9/1/1999	0	0	0	0	0	0	0
1999	9	4	531	30.0889	9/1/1999	0	0	0	0	0	0	0
1999	10	1	143243	29.41782	10/1/1999	0	0	0	0	0	0	0
1999	10	2	25160	29.79386	10/1/1999	0	0	0	0	0	0	0
1999	10	3.1	1057	30.46241	10/1/1999	0	0	0	0	0	0	0
1999	10	3.15	573	29.44436	10/1/1999	0	0	0	0	0	0	0
1999	10	3.2	5	30.46241	10/1/1999	0	0	0	0	0	0	0
1999	10	3.25	2	29.44436	10/1/1999	0	0	0	0	0	0	0
1999	10	4	532	30.75693	10/1/1999	0	0	0	0	0	0	0
1999	11	1	143398	29.17203	11/1/1999	0	0	0	0	0	0	0
1999	11	2	25140	29.53779	11/1/1999	0	0	0	0	0	0	0
1999	11	3.1	1054	29.96041	11/1/1999	0	0	0	0	0	0	0
1999	11	3.15	577	29.73279	11/1/1999	0	0	0	0	0	0	0
1999	11	3.2	5	29.96041	11/1/1999	0	0	0	0	0	0	0
1999	11	3.25	2	29.73279	11/1/1999	0	0	0	0	0	0	0
1999	11	4	531	29.95855	11/1/1999	0	0	0	0	0	0	0
1999	12	1	143574	32.07434	12/1/1999	0	0	0	0	0	0	0
1999	12	2	25165	32.28276	12/1/1999	0	0	0	0	0	0	0
1999	12	3.1	1050	31.90781	12/1/1999	0	0	0	0	0	0	0
1999	12	3.15	573	33.13144	12/1/1999	0	0	0	0	0	0	0
1999	12	3.2	5	31.90781	12/1/1999	0	0	0	0	0	0	0
1999	12	3.25	2	33.13144	12/1/1999	0	0	0	0	0	0	0
1999	12	4	531	31.23566	12/1/1999	0	0	0	0	0	0	0
2000	1	1	143869	32.87684	1/1/2000	0	0	0	0	0	0	0
2000	1	2	25331	32.94005	1/1/2000	0	0	0	0	0	0	0
2000	1	3.1	1016	31.34318	1/1/2000	0	0	0	0	0	0	1
2000	1	3.15	571	32.12939	1/1/2000	0	0	0	0	0	0	0
2000	1	3.2	5	31.34318	1/1/2000	0	0	0	0	0	0	0
2000	1	3.25	2	32.12939	1/1/2000	0	0	0	0	0	0	0
2000	1	4	533	31.50908	1/1/2000	0	0	0	0	0	0	0
2000	2	1	143934	29.37521	2/1/2000	0	0	0	0	0	0	0
2000	2	2	25282	29.66339	2/1/2000	0	0	0	0	0	0	0
2000	2	3.1	973	29.29509	2/1/2000	0	0	0	0	0	1	0
2000	2	3.15	558	29.49731	2/1/2000	0	0	0	0	0	0	0
2000	2	3.2	5	29.29509	2/1/2000	0	0	0	0	0	0	0



Customer\_Model\_Input

YEAR	MONTH	REVCLS	CUST	DAYS	time	res1	res2	com1	com3	com4	ind1	ind2
2000	2	3.25	2	29.49731	2/1/2000	0	0	0	0	0	0	0
2000	2	4	530	28.67703	2/1/2000	0	0	0	0	0	0	0
2000	3	1	143862	28.94179	3/1/2000	0	0	0	0	0	0	0
2000	3	2	25311	29.11042	3/1/2000	0	0	0	0	0	0	0
2000	3	3.1	966	30.01376	3/1/2000	0	0	0	0	0	1	0
2000	3	3.15	561	29.75288	3/1/2000	0	0	0	0	0	0	0
2000	3	3.2	5	30.01376	3/1/2000	0	0	0	0	0	0	0
2000	3	3.25	2	29.75288	3/1/2000	0	0	0	0	0	0	0
2000	3	4	530	30.60773	3/1/2000	0	0	0	0	0	0	0
2000	4	1	143461	29.72901	4/1/2000	0	0	0	0	0	0	0
2000	4	2	25327	29.95311	4/1/2000	0	0	0	0	0	0	0
2000	4	3.1	975	30.2547	4/1/2000	0	0	0	0	0	1	0
2000	4	3.15	556	29.6743	4/1/2000	0	0	0	0	0	0	0
2000	4	3.2	5	30.2547	4/1/2000	0	0	0	0	0	0	0
2000	4	3.25	2	29.6743	4/1/2000	0	0	0	0	0	0	0
2000	4	4	532	30.02336	4/1/2000	0	0	0	0	0	0	0
2000	5	1	143434	29.4396	5/1/2000	0	0	0	0	0	0	0
2000	5	2	25431	29.57631	5/1/2000	0	0	0	0	0	0	0
2000	5	3.1	968	29.92142	5/1/2000	0	0	0	0	0	1	0
2000	5	3.15	549	28.83606	5/1/2000	0	0	0	0	0	0	0
2000	5	3.2	5	29.92142	5/1/2000	0	0	0	0	0	0	0
2000	5	3.25	2	28.83606	5/1/2000	0	0	0	0	0	0	0
2000	5	4	531	30.6457	5/1/2000	0	0	0	0	0	0	0
2000	6	1	143303	30.59583	6/1/2000	0	0	0	0	0	0	0
2000	6	2	25460	31.08907	6/1/2000	0	0	0	0	0	0	0
2000	6	3.1	958	30.73023	6/1/2000	0	0	0	0	0	1	0
2000	6	3.15	543	30.05578	6/1/2000	0	0	0	0	0	0	0
2000	6	3.2	5	30.73023	6/1/2000	0	0	0	0	0	0	0
2000	6	3.25	2	30.05578	6/1/2000	0	0	0	0	0	0	0
2000	6	4	534	30.30709	6/1/2000	0	0	0	0	0	0	0
2000	7	1	143298	30.24007	7/1/2000	0	0	0	0	0	0	0
2000	7	2	25553	30.59889	7/1/2000	0	0	0	0	0	0	0
2000	7	3.1	963	30.7164	7/1/2000	0	0	0	0	0	1	0
2000	7	3.15	546	30.71526	7/1/2000	0	0	0	0	0	0	0
2000	7	3.2	5	30.7164	7/1/2000	0	0	0	0	0	0	0
2000	7	3.25	2	30.71526	7/1/2000	0	0	0	0	0	0	0

Customer\_Model\_Input

YEAR	MONTH	REVCLS	CUST	DAYS	time	res1	res2	com1	com3	com4	ind1	ind2
2000	7	4	534	30.94345	7/1/2000	0	0	0	0	0	0	0
2000	8	1	143438	29.07755	8/1/2000	0	0	0	0	0	0	0
2000	8	2	25605	29.12294	8/1/2000	0	0	0	0	0	0	0
2000	8	3.1	967	30.52708	8/1/2000	0	0	0	0	0	0	1
2000	8	3.15	579	29.13308	8/1/2000	0	0	0	0	0	0	0
2000	8	3.2	5	30.52708	8/1/2000	0	0	0	0	0	0	0
2000	8	3.25	2	29.13308	8/1/2000	0	0	0	0	0	0	0
2000	8	4	532	30.6068	8/1/2000	0	0	0	0	0	0	0
2000	9	1	143541	30.12568	9/1/2000	0	0	0	0	0	0	0
2000	9	2	25597	30.43004	9/1/2000	0	0	0	0	0	0	0
2000	9	3.1	968	30.2275	9/1/2000	0	0	0	0	0	0	1
2000	9	3.15	517	30.72314	9/1/2000	0	0	0	0	0	0	0
2000	9	3.2	5	30.2275	9/1/2000	0	0	0	0	0	0	0
2000	9	3.25	2	30.72314	9/1/2000	0	0	0	0	0	0	0
2000	9	4	536	30.0889	9/1/2000	0	0	0	0	0	0	0
2000	10	1	143672	29.41782	10/1/2000	0	0	0	0	0	0	0
2000	10	2	25596	29.79386	10/1/2000	0	0	0	0	0	0	0
2000	10	3.1	967	30.46241	10/1/2000	0	0	0	0	0	0	1
2000	10	3.15	549	29.44436	10/1/2000	0	0	0	0	0	0	0
2000	10	3.2	5	30.46241	10/1/2000	0	0	0	0	0	0	0
2000	10	3.25	2	29.44436	10/1/2000	0	0	0	0	0	0	0
2000	10	4	532	30.75693	10/1/2000	0	0	0	0	0	0	0
2000	11	1	143791	29.17203	11/1/2000	0	0	0	0	0	0	0
2000	11	2	25750	29.53779	11/1/2000	0	0	0	0	0	0	0
2000	11	3.1	967	29.96041	11/1/2000	0	0	0	0	0	0	1
2000	11	3.15	525	29.73279	11/1/2000	0	0	0	0	0	0	0
2000	11	3.2	5	29.96041	11/1/2000	0	0	0	0	0	0	0
2000	11	3.25	2	29.73279	11/1/2000	0	0	0	0	0	0	0
2000	11	4	532	29.95855	11/1/2000	0	0	0	0	0	0	0
2000	12	1	144226	32.07434	12/1/2000	0	0	0	0	0	0	0
2000	12	2	25765	32.28276	12/1/2000	0	0	0	0	0	0	0
2000	12	3.1	965	31.90781	12/1/2000	0	0	0	0	0	0	1
2000	12	3.15	523	33.13144	12/1/2000	0	0	0	0	0	0	0
2000	12	3.2	4	31.90781	12/1/2000	0	0	0	0	0	0	0
2000	12	3.25	2	33.13144	12/1/2000	0	0	0	0	0	0	0
2000	12	4	471	31.23566	12/1/2000	0	0	0	0	0	0	0

Customer\_Model\_Input

YEAR	MONTH	REVCLS	CUST	DAYS	time	res1	res2	com1	com3	com4	ind1	ind2
2001	1	1	144223	32.87684	1/1/2001	0	0	0	0	0	0	0
2001	1	2	25718	32.94005	1/1/2001	0	0	0	0	0	0	0
2001	1	3.1	968	31.34318	1/1/2001	0	0	0	0	0	1	0
2001	1	3.15	538	32.12939	1/1/2001	0	0	0	0	0	0	0
2001	1	3.2	4	31.34318	1/1/2001	0	0	0	0	0	0	0
2001	1	3.25	2	32.12939	1/1/2001	0	0	0	0	0	0	0
2001	1	4	471	31.50908	1/1/2001	0	0	0	0	0	0	0
2001	2	1	144273	29.37521	2/1/2001	0	0	0	0	0	0	0
2001	2	2	25785	29.66339	2/1/2001	0	0	0	0	0	0	0
2001	2	3.1	970	29.29509	2/1/2001	0	0	0	0	0	1	0
2001	2	3.15	526	29.49731	2/1/2001	0	0	0	0	0	0	0
2001	2	3.2	5	29.29509	2/1/2001	0	0	0	0	0	0	0
2001	2	3.25	2	29.49731	2/1/2001	0	0	0	0	0	0	0
2001	2	4	446	28.67703	2/1/2001	0	0	0	0	0	0	0
2001	3	1	144119	28.94179	3/1/2001	0	0	0	0	0	0	0
2001	3	2	25748	29.11042	3/1/2001	0	0	0	0	0	0	0
2001	3	3.1	966	30.01376	3/1/2001	0	0	0	0	0	1	0
2001	3	3.15	525	29.75288	3/1/2001	0	0	0	0	0	0	0
2001	3	3.2	5	30.01376	3/1/2001	0	0	0	0	0	0	0
2001	3	3.25	2	29.75288	3/1/2001	0	0	0	0	0	0	0
2001	3	4	446	30.60773	3/1/2001	0	0	0	0	0	0	0
2001	4	1	143978	29.72901	4/1/2001	0	0	0	0	0	0	0
2001	4	2	25819	29.95311	4/1/2001	0	0	0	0	0	0	0
2001	4	3.1	969	30.2547	4/1/2001	0	0	0	0	0	1	0
2001	4	3.15	525	29.6743	4/1/2001	0	0	0	0	0	0	0
2001	4	3.2	5	30.2547	4/1/2001	0	0	0	0	0	0	0
2001	4	3.25	2	29.6743	4/1/2001	0	0	0	0	0	0	0
2001	4	4	445	30.02336	4/1/2001	0	0	0	0	0	0	0
2001	5	1	143932	29.4396	5/1/2001	0	0	0	0	0	0	0
2001	5	2	25876	29.57631	5/1/2001	0	0	0	0	0	0	0
2001	5	3.1	970	29.92142	5/1/2001	0	0	0	0	0	1	0
2001	5	3.15	560	28.83606	5/1/2001	0	0	0	0	0	0	0
2001	5	3.2	5	29.92142	5/1/2001	0	0	0	0	0	0	0
2001	5	3.25	2	28.83606	5/1/2001	0	0	0	0	0	0	0
2001	5	4	446	30.6457	5/1/2001	0	0	0	0	0	0	0
2001	6	1	143849	30.59583	6/1/2001	0	0	0	0	0	0	0

Customer\_Model\_Input

YEAR	MONTH	REVCLS	CUST	DAYS	time	res1	res2	com1	com3	com4	ind1	ind2
2001	6	2	25911	31.08907	6/1/2001	0	0	0	0	0	0	0
2001	6	3.1	971	30.73023	6/1/2001	0	0	0	0	0	0	1
2001	6	3.15	558	30.05578	6/1/2001	0	0	0	0	0	0	0
2001	6	3.2	5	30.73023	6/1/2001	0	0	0	0	0	0	0
2001	6	3.25	2	30.05578	6/1/2001	0	0	0	0	0	0	0
2001	6	4	445	30.30709	6/1/2001	0	0	0	0	0	0	0
2001	7	1	143853	30.24007	7/1/2001	0	0	0	0	0	0	0
2001	7	2	25942	30.59889	7/1/2001	0	0	0	0	0	0	0
2001	7	3.1	974	30.7164	7/1/2001	0	0	0	0	0	0	1
2001	7	3.15	540	30.71526	7/1/2001	0	0	0	0	0	0	0
2001	7	3.2	5	30.7164	7/1/2001	0	0	0	0	0	0	0
2001	7	3.25	2	30.71526	7/1/2001	0	0	0	0	0	0	0
2001	7	4	446	30.94345	7/1/2001	0	0	0	0	0	0	0
2001	8	1	143911	29.07755	8/1/2001	0	0	0	0	0	0	0
2001	8	2	25971	29.12294	8/1/2001	0	0	0	0	0	0	0
2001	8	3.1	974	30.52708	8/1/2001	0	0	0	0	0	0	1
2001	8	3.15	540	29.13308	8/1/2001	0	0	0	0	0	0	0
2001	8	3.2	5	30.52708	8/1/2001	0	0	0	0	0	0	0
2001	8	3.25	3	29.13308	8/1/2001	0	0	0	0	0	0	0
2001	8	4	445	30.6068	8/1/2001	0	0	0	0	0	0	0
2001	9	1	144012	30.12568	9/1/2001	0	0	0	0	0	0	0
2001	9	2	26078	30.43004	9/1/2001	0	0	0	0	0	0	0
2001	9	3.1	971	30.2275	9/1/2001	0	0	0	0	0	0	1
2001	9	3.15	540	30.72314	9/1/2001	0	0	0	0	0	0	0
2001	9	3.2	5	30.2275	9/1/2001	0	0	0	0	0	0	0
2001	9	3.25	3	30.72314	9/1/2001	0	0	0	0	0	0	0
2001	9	4	444	30.0889	9/1/2001	0	0	0	0	0	0	0
2001	10	1	144138	29.41782	10/1/2001	0	0	0	0	0	0	0
2001	10	2	26151	29.79386	10/1/2001	0	0	0	0	0	0	0
2001	10	3.1	969	30.46241	10/1/2001	0	0	0	0	0	0	1
2001	10	3.15	546	29.44436	10/1/2001	0	0	0	0	0	0	0
2001	10	3.2	5	30.46241	10/1/2001	0	0	0	0	0	0	0
2001	10	3.25	3	29.44436	10/1/2001	0	0	0	0	0	0	0
2001	10	4	444	30.75693	10/1/2001	0	0	0	0	0	0	0
2001	11	1	144214	29.17203	11/1/2001	0	0	0	0	0	0	0
2001	11	2	26236	29.53779	11/1/2001	0	0	0	0	0	0	0

Customer\_Model\_Input

YEAR	MONTH	REVCLS	CUST	DAYS	time	res1	res2	com1	com3	com4	ind1	ind2	
2001	11	3.1	968	29.96041	11/1/2001	0	0	0	0	0	0	1	0
2001	11	3.15	548	29.73279	11/1/2001	0	0	0	0	0	0	0	0
2001	11	3.2	5	29.96041	11/1/2001	0	0	0	0	0	0	0	0
2001	11	3.25	3	29.73279	11/1/2001	0	0	0	0	0	0	0	0
2001	11	4	444	29.95855	11/1/2001	0	0	0	0	0	0	0	0
2001	12	1	144447	32.07434	12/1/2001	0	0	0	0	0	0	0	0
2001	12	2	26356	32.28276	12/1/2001	0	0	0	0	0	0	0	0
2001	12	3.1	964	31.90781	12/1/2001	0	0	0	0	0	0	1	0
2001	12	3.15	538	33.13144	12/1/2001	0	0	0	0	0	0	0	0
2001	12	3.2	5	31.90781	12/1/2001	0	0	0	0	0	0	0	0
2001	12	3.25	3	33.13144	12/1/2001	0	0	0	0	0	0	0	0
2001	12	4	443	31.23566	12/1/2001	0	0	0	0	0	0	0	0
2002	1	1	144776	32.87684	1/1/2002	0	0	0	0	0	0	0	0
2002	1	2	26454	32.94005	1/1/2002	0	0	0	0	0	0	0	0
2002	1	3.1	940	31.34318	1/1/2002	0	0	0	0	0	0	1	0
2002	1	3.15	540	32.12939	1/1/2002	0	0	0	0	0	0	0	0
2002	1	3.2	5	31.34318	1/1/2002	0	0	0	0	0	0	0	0
2002	1	3.25	3	32.12939	1/1/2002	0	0	0	0	0	0	0	0
2002	1	4	441	31.50908	1/1/2002	0	0	0	0	0	0	0	0
2002	2	1	144635	29.37521	2/1/2002	0	0	0	0	0	0	0	0
2002	2	2	26430	29.66339	2/1/2002	0	0	0	0	0	0	0	0
2002	2	3.1	959	29.29509	2/1/2002	0	0	0	0	0	0	1	0
2002	2	3.15	542	29.49731	2/1/2002	0	0	0	0	0	0	0	0
2002	2	3.2	5	29.29509	2/1/2002	0	0	0	0	0	0	0	0
2002	2	3.25	3	29.49731	2/1/2002	0	0	0	0	0	0	0	0
2002	2	4	438	28.67703	2/1/2002	0	0	0	0	0	0	0	0
2002	3	1	144570	28.94179	3/1/2002	0	0	0	0	0	0	0	0
2002	3	2	26967	29.11042	3/1/2002	0	0	0	1	0	0	0	0
2002	3	3.1	964	30.01376	3/1/2002	0	0	0	0	0	0	1	0
2002	3	3.15	548	29.75288	3/1/2002	0	0	0	0	0	0	0	0
2002	3	3.2	5	30.01376	3/1/2002	0	0	0	0	0	0	0	0
2002	3	3.25	3	29.75288	3/1/2002	0	0	0	0	0	0	0	0
2002	3	4	439	30.60773	3/1/2002	0	0	0	0	0	0	0	0
2002	4	1	144471	29.72901	4/1/2002	0	0	0	0	0	0	0	0
2002	4	2	26499	29.95311	4/1/2002	0	0	0	0	0	0	0	0
2002	4	3.1	956	30.2547	4/1/2002	0	0	0	0	0	0	1	0

Customer\_Model\_Input

YEAR	MONTH	REVCLS	CUST	DAYS	time	res1	res2	com1	com3	com4	ind1	ind2
2002	4	3.15	536	29.6743	4/1/2002	0	0	0	0	0	0	0
2002	4	3.2	5	30.2547	4/1/2002	0	0	0	0	0	0	0
2002	4	3.25	3	29.6743	4/1/2002	0	0	0	0	0	0	0
2002	4	4	439	30.02336	4/1/2002	0	0	0	0	0	0	0
2002	5	1	144097	29.4396	5/1/2002	0	0	0	0	0	0	0
2002	5	2	26568	29.57631	5/1/2002	0	0	0	0	0	0	0
2002	5	3.1	1017	29.92142	5/1/2002	0	0	0	0	0	0	0
2002	5	3.15	540	28.83606	5/1/2002	0	0	0	0	0	0	1
2002	5	3.2	5	29.92142	5/1/2002	0	0	0	0	0	0	0
2002	5	3.25	3	28.83606	5/1/2002	0	0	0	0	0	0	0
2002	5	4	439	30.6457	5/1/2002	0	0	0	0	0	0	0
2002	6	1	144170	30.59583	6/1/2002	0	0	0	0	0	0	0
2002	6	2	26594	31.08907	6/1/2002	0	0	0	0	0	0	0
2002	6	3.1	962	30.73023	6/1/2002	0	0	0	0	0	0	1
2002	6	3.15	530	30.05578	6/1/2002	0	0	0	0	0	0	0
2002	6	3.2	5	30.73023	6/1/2002	0	0	0	0	0	0	0
2002	6	3.25	3	30.05578	6/1/2002	0	0	0	0	0	0	0
2002	6	4	439	30.30709	6/1/2002	0	0	0	0	0	0	0
2002	7	1	144163	30.24007	7/1/2002	0	0	0	0	0	0	0
2002	7	2	26774	30.59889	7/1/2002	0	0	0	0	0	0	0
2002	7	3.1	960	30.7164	7/1/2002	0	0	0	0	0	0	1
2002	7	3.15	533	30.71526	7/1/2002	0	0	0	0	0	0	0
2002	7	3.2	5	30.7164	7/1/2002	0	0	0	0	0	0	0
2002	7	3.25	3	30.71526	7/1/2002	0	0	0	0	0	0	0
2002	7	4	439	30.94345	7/1/2002	0	0	0	0	0	0	0
2002	8	1	144235	29.07755	8/1/2002	0	0	0	0	0	0	0
2002	8	2	26798	29.12294	8/1/2002	0	0	0	0	0	0	0
2002	8	3.1	975	30.52708	8/1/2002	0	0	0	0	0	0	1
2002	8	3.15	531	29.13308	8/1/2002	0	0	0	0	0	0	0
2002	8	3.2	5	30.52708	8/1/2002	0	0	0	0	0	0	0
2002	8	3.25	3	29.13308	8/1/2002	0	0	0	0	0	0	0
2002	8	4	438	30.6068	8/1/2002	0	0	0	0	0	0	0
2002	9	1	144234	30.12568	9/1/2002	0	0	0	0	0	0	0
2002	9	2	26840	30.43004	9/1/2002	0	0	0	0	0	0	0
2002	9	3.1	949	30.2275	9/1/2002	0	0	0	0	0	0	1
2002	9	3.15	520	30.72314	9/1/2002	0	0	0	0	0	0	0

Customer\_Model\_Input

YEAR	MONTH	REVCLS	CUST	DAYS	time	res1	res2	com1	com3	com4	ind1	ind2
2002	9	3.2	5	30.2275	9/1/2002	0	0	0	0	0	0	0
2002	9	3.25	3	30.72314	9/1/2002	0	0	0	0	0	0	0
2002	9	4	500	30.0889	9/1/2002	0	0	0	0	0	0	0
2002	10	1	144277	29.41782	10/1/2002	0	0	0	0	0	0	0
2002	10	2	26773	29.79386	10/1/2002	0	0	0	0	0	0	0
2002	10	3.1	946	30.46241	10/1/2002	0	0	0	0	0	1	0
2002	10	3.15	514	29.44436	10/1/2002	0	0	0	0	0	0	0
2002	10	3.2	5	30.46241	10/1/2002	0	0	0	0	0	0	0
2002	10	3.25	3	29.44436	10/1/2002	0	0	0	0	0	0	0
2002	10	4	440	30.75693	10/1/2002	0	0	0	0	0	0	0
2002	11	1	144470	29.17203	11/1/2002	0	0	0	0	0	0	0
2002	11	2	26847	29.53779	11/1/2002	0	0	0	0	0	0	0
2002	11	3.1	949	29.96041	11/1/2002	0	0	0	0	0	1	0
2002	11	3.15	539	29.73279	11/1/2002	0	0	0	0	0	0	0
2002	11	3.2	5	29.96041	11/1/2002	0	0	0	0	0	0	0
2002	11	3.25	3	29.73279	11/1/2002	0	0	0	0	0	0	0
2002	11	4	440	29.95855	11/1/2002	0	0	0	0	0	0	0
2002	12	1	144696	32.07434	12/1/2002	0	0	0	0	0	0	0
2002	12	2	26903	32.28276	12/1/2002	0	0	0	0	0	0	0
2002	12	3.1	944	31.90781	12/1/2002	0	0	0	0	0	1	0
2002	12	3.15	523	33.13144	12/1/2002	0	0	0	0	0	0	0
2002	12	3.2	6	31.90781	12/1/2002	0	0	0	0	0	0	0
2002	12	3.25	3	33.13144	12/1/2002	0	0	0	0	0	0	0
2002	12	4	448	31.23566	12/1/2002	0	0	0	0	0	0	0
2003	1	1	144903	32.87684	1/1/2003	0	0	0	0	0	0	0
2003	1	2	26893	32.94005	1/1/2003	0	0	0	0	0	0	0
2003	1	3.1	942	31.34318	1/1/2003	0	0	0	0	0	1	0
2003	1	3.15	519	32.12939	1/1/2003	0	0	0	0	0	0	0
2003	1	3.2	6	31.34318	1/1/2003	0	0	0	0	0	0	0
2003	1	3.25	3	32.12939	1/1/2003	0	0	0	0	0	0	0
2003	1	4	451	31.50908	1/1/2003	0	0	0	0	0	0	0
2003	2	1	144848	29.37521	2/1/2003	0	0	0	0	0	0	0
2003	2	2	26858	29.66339	2/1/2003	0	0	0	0	0	0	0
2003	2	3.1	941	29.29509	2/1/2003	0	0	0	0	0	1	0
2003	2	3.15	516	29.49731	2/1/2003	0	0	0	0	0	0	0
2003	2	3.2	7	29.29509	2/1/2003	0	0	0	0	0	0	0

Customer\_Model\_Input

YEAR	MONTH	REVCLS	CUST	DAYS	time	res1	res2	com1	com3	com4	ind1	ind2
2003	2	3.25	3	29.49731	2/1/2003	0	0	0	0	0	0	0
2003	2	4	454	28.67703	2/1/2003	0	0	0	0	0	0	0
2003	3	1	144700	28.94179	3/1/2003	0	0	0	0	0	0	0
2003	3	2	26904	29.11042	3/1/2003	0	0	0	0	0	0	0
2003	3	3.1	935	30.01376	3/1/2003	0	0	0	0	0	0	1
2003	3	3.15	549	29.75288	3/1/2003	0	0	0	0	0	0	0
2003	3	3.2	7	30.01376	3/1/2003	0	0	0	0	0	0	0
2003	3	3.25	3	29.75288	3/1/2003	0	0	0	0	0	0	0
2003	3	4	455	30.60773	3/1/2003	0	0	0	0	0	0	0
2003	4	1	144415	29.72901	4/1/2003	0	0	0	0	0	0	0
2003	4	2	26912	29.95311	4/1/2003	0	0	0	0	0	0	0
2003	4	3.1	968	30.2547	4/1/2003	0	0	0	0	0	0	1
2003	4	3.15	525	29.6743	4/1/2003	0	0	0	0	0	0	0
2003	4	3.2	7	30.2547	4/1/2003	0	0	0	0	0	0	0
2003	4	3.25	3	29.6743	4/1/2003	0	0	0	0	0	0	0
2003	4	4	447	30.02336	4/1/2003	0	0	0	0	0	0	0
2003	5	1	144250	29.4396	5/1/2003	0	0	0	0	0	0	0
2003	5	2	26961	29.57631	5/1/2003	0	0	0	0	0	0	0
2003	5	3.1	933	29.92142	5/1/2003	0	0	0	0	0	0	1
2003	5	3.15	516	28.83606	5/1/2003	0	0	0	0	0	0	0
2003	5	3.2	7	29.92142	5/1/2003	0	0	0	0	0	0	0
2003	5	3.25	3	28.83606	5/1/2003	0	0	0	0	0	0	0
2003	5	4	447	30.6457	5/1/2003	0	0	0	0	0	0	0
2003	6	1	144177	30.59583	6/1/2003	0	0	0	0	0	0	0
2003	6	2	27000	31.08907	6/1/2003	0	0	0	0	0	0	0
2003	6	3.1	929	30.73023	6/1/2003	0	0	0	0	0	0	1
2003	6	3.15	518	30.05578	6/1/2003	0	0	0	0	0	0	0
2003	6	3.2	7	30.73023	6/1/2003	0	0	0	0	0	0	0
2003	6	3.25	3	30.05578	6/1/2003	0	0	0	0	0	0	0
2003	6	4	446	30.30709	6/1/2003	0	0	0	0	0	0	0
2003	7	1	144130	30.29391	7/1/2003	0	0	0	0	0	0	0
2003	7	2	27038	30.86338	7/1/2003	0	0	0	0	0	0	0
2003	7	3.1	931	30.94672	7/1/2003	0	0	0	0	0	0	1
2003	7	3.15	509	30.70315	7/1/2003	0	0	0	0	0	0	0
2003	7	3.2	7	30.94672	7/1/2003	0	0	0	0	0	0	0
2003	7	3.25	3	30.70315	7/1/2003	0	0	0	0	0	0	0



Customer\_Model\_Input

YEAR	MONTH	REVCLS	CUST	DAYS	time	res1	res2	com1	com3	com4	ind1	ind2
2003	7	4	446	31.01139	7/1/2003	0	0	0	0	0	0	0
2003	8	1	144290	28.83001	8/1/2003	0	0	0	0	0	0	0
2003	8	2	27940	29.00117	8/1/2003	0	0	0	0	0	1	0
2003	8	3.1	924	30.44573	8/1/2003	0	0	0	0	0	0	1
2003	8	3.15	517	28.74418	8/1/2003	0	0	0	0	0	0	0
2003	8	3.2	7	30.44573	8/1/2003	0	0	0	0	0	0	0
2003	8	3.25	3	28.74418	8/1/2003	0	0	0	0	0	0	0
2003	8	4	447	30.42665	8/1/2003	0	0	0	0	0	0	0
2003	9	1	144411	30.31453	9/1/2003	0	0	0	0	0	0	0
2003	9	2	27992	30.31791	9/1/2003	0	0	0	0	0	1	0
2003	9	3.1	920	30.1493	9/1/2003	0	0	0	0	0	0	1
2003	9	3.15	512	30.46651	9/1/2003	0	0	0	0	0	0	0
2003	9	3.2	7	30.1493	9/1/2003	0	0	0	0	0	0	0
2003	9	3.25	3	30.46651	9/1/2003	0	0	0	0	0	0	0
2003	9	4	445	30.07233	9/1/2003	0	0	0	0	0	0	0
2003	10	1	144406	29.51032	10/1/2003	0	0	0	0	0	0	0
2003	10	2	28029	29.9769	10/1/2003	0	0	0	0	0	1	0
2003	10	3.1	916	30.5901	10/1/2003	0	0	0	0	0	0	1
2003	10	3.15	502	29.39848	10/1/2003	0	0	0	0	0	0	0
2003	10	3.2	7	30.5901	10/1/2003	0	0	0	0	0	0	0
2003	10	3.25	3	29.39848	10/1/2003	0	0	0	0	0	0	0
2003	10	4	445	30.76598	10/1/2003	0	0	0	0	0	0	0
2003	11	1	144466	29.06951	11/1/2003	0	0	0	0	0	0	0
2003	11	2	28046	29.40952	11/1/2003	0	0	0	0	0	1	0
2003	11	3.1	922	29.78767	11/1/2003	0	0	0	0	0	0	1
2003	11	3.15	515	29.8993	11/1/2003	0	0	0	0	0	0	0
2003	11	3.2	7	29.78767	11/1/2003	0	0	0	0	0	0	0
2003	11	3.25	3	29.8993	11/1/2003	0	0	0	0	0	0	0
2003	11	4	445	29.98567	11/1/2003	0	0	0	0	0	0	0
2003	12	1	144850	31.97093	12/1/2003	0	0	0	0	0	0	0
2003	12	2	28110	32.20919	12/1/2003	0	0	0	0	0	1	0
2003	12	3.1	943	32.00953	12/1/2003	0	0	0	0	0	0	1
2003	12	3.15	533	33.23109	12/1/2003	0	0	0	0	0	0	0
2003	12	3.2	7	32.00953	12/1/2003	0	0	0	0	0	0	0
2003	12	3.25	3	33.23109	12/1/2003	0	0	0	0	0	0	0
2003	12	4	444	31.16965	12/1/2003	0	0	0	0	0	0	0

Customer\_Model\_Input

YEAR	MONTH	REVCLS	CUST	DAYS	time	res1	res2	com1	com3	com4	ind1	ind2
2004	1	1	145096	32.89804	1/1/2004	0	0	0	0	0	0	0
2004	1	2	28131	33.07883	1/1/2004	0	0	0	0	0	1	0
2004	1	3.1	938	31.42114	1/1/2004	0	0	0	0	0	0	1
2004	1	3.15	530	32.51623	1/1/2004	0	0	0	0	0	0	0
2004	1	3.2	8	31.42114	1/1/2004	0	0	0	0	0	0	0
2004	1	3.25	3	32.51623	1/1/2004	0	0	0	0	0	0	0
2004	1	4	443	31.61936	1/1/2004	0	0	0	0	0	0	0
2004	2	1	144846	29.35662	2/1/2004	0	0	0	0	0	0	0
2004	2	2	28104	29.50677	2/1/2004	0	0	0	0	0	1	0
2004	2	3.1	938	29.088	2/1/2004	0	0	0	0	0	0	1
2004	2	3.15	528	29.16605	2/1/2004	0	0	0	0	0	0	0
2004	2	3.2	8	29.088	2/1/2004	0	0	0	0	0	0	0
2004	2	3.25	3	29.16605	2/1/2004	0	0	0	0	0	0	0
2004	2	4	442	29.19713	2/1/2004	0	0	0	0	0	0	0
2004	3	1	144789	28.95242	3/1/2004	0	0	0	0	0	0	0
2004	3	2	28127	29.21813	3/1/2004	0	0	0	0	0	1	0
2004	3	3.1	937	30.68507	3/1/2004	0	0	0	0	0	0	1
2004	3	3.15	523	29.69061	3/1/2004	0	0	0	0	0	0	0
2004	3	3.2	8	30.68507	3/1/2004	0	0	0	0	0	0	0
2004	3	3.25	3	29.69061	3/1/2004	0	0	0	0	0	0	0
2004	3	4	441	30.46747	3/1/2004	0	0	0	0	0	0	0
2004	4	1	144670	30.22187	4/1/2004	0	0	0	0	0	0	0
2004	4	2	28166	30.55924	4/1/2004	0	0	0	0	0	1	0
2004	4	3.1	938	30.05466	4/1/2004	0	0	0	0	0	0	1
2004	4	3.15	523	29.92032	4/1/2004	0	0	0	0	0	0	0
2004	4	3.2	8	30.05466	4/1/2004	0	0	0	0	0	0	0
2004	4	3.25	3	29.92032	4/1/2004	0	0	0	0	0	0	0
2004	4	4	439	30.22896	4/1/2004	0	0	0	0	0	0	0
2004	5	1	144359	29.32978	5/1/2004	0	0	0	0	0	0	0
2004	5	2	28189	29.61447	5/1/2004	0	0	0	0	0	1	0
2004	5	3.1	942	30.48319	5/1/2004	0	0	0	0	0	0	1
2004	5	3.15	528	28.42599	5/1/2004	0	0	0	0	0	0	0
2004	5	3.2	8	30.48319	5/1/2004	0	0	0	0	0	0	0
2004	5	3.25	3	28.42599	5/1/2004	0	0	0	0	0	0	0
2004	5	4	439	30.49616	5/1/2004	0	0	0	0	0	0	0
2004	6	1	144117	30.82058	6/1/2004	0	0	0	0	0	0	0

Customer\_Model\_Input

YEAR	MONTH	REVCLS	CUST	DAYS	time	res1	res2	com1	com3	com4	ind1	ind2
2004	6	2	28233	31.19065	6/1/2004	0	0	0	0	0	1	0
2004	6	3.1	934	30.5535	6/1/2004	0	0	0	0	0	0	1
2004	6	3.15	518	30.76011	6/1/2004	0	0	0	0	0	0	0
2004	6	3.2	8	30.5535	6/1/2004	0	0	0	0	0	0	0
2004	6	3.25	3	30.76011	6/1/2004	0	0	0	0	0	0	0
2004	6	4	439	30.26297	6/1/2004	0	0	0	0	0	0	0
2004	7	1	144037	30.37168	7/1/2004	0	0	0	0	0	0	0
2004	7	2	28321	30.54496	7/1/2004	0	0	0	0	0	1	0
2004	7	3.1	935	30.21244	7/1/2004	0	0	0	0	0	0	1
2004	7	3.15	517	30.96622	7/1/2004	0	0	0	0	0	0	0
2004	7	3.2	8	30.21244	7/1/2004	0	0	0	0	0	0	0
2004	7	3.25	3	30.96622	7/1/2004	0	0	0	0	0	0	0
2004	7	4	442	30.99328	7/1/2004	0	0	0	0	0	0	0
2004	8	1	144066	29.01265	8/1/2004	0	0	0	0	0	0	0
2004	8	2	28361	29.31958	8/1/2004	0	0	0	0	0	1	0
2004	8	3.1	933	30.93164	8/1/2004	0	0	0	0	0	0	1
2004	8	3.15	517	29.30248	8/1/2004	0	0	0	0	0	0	0
2004	8	3.2	8	30.93164	8/1/2004	0	0	0	0	0	0	0
2004	8	3.25	3	29.30248	8/1/2004	0	0	0	0	0	0	0
2004	8	4	444	30.52103	8/1/2004	0	0	0	0	0	0	0
2004	9	1	144081	29.75676	9/1/2004	0	0	0	0	0	0	0
2004	9	2	28421	29.96772	9/1/2004	0	0	0	0	0	1	0
2004	9	3.1	932	30.47892	9/1/2004	0	0	0	0	0	0	1
2004	9	3.15	516	30.205	9/1/2004	0	0	0	0	0	0	0
2004	9	3.2	8	30.47892	9/1/2004	0	0	0	0	0	0	0
2004	9	3.25	3	30.205	9/1/2004	0	0	0	0	0	0	0
2004	9	4	444	30.09975	9/1/2004	0	0	0	0	0	0	0
2004	10	1	144159	29.57961	10/1/2004	0	0	0	0	0	0	0
2004	10	2	28472	29.9907	10/1/2004	0	0	0	0	0	1	0
2004	10	3.1	933	30.37667	10/1/2004	0	0	0	0	0	0	1
2004	10	3.15	512	29.4353	10/1/2004	0	0	0	0	0	0	0
2004	10	3.2	8	30.37667	10/1/2004	0	0	0	0	0	0	0
2004	10	3.25	3	29.4353	10/1/2004	0	0	0	0	0	0	0
2004	10	4	444	30.74244	10/1/2004	0	0	0	0	0	0	0
2004	11	1	144360	29.03879	11/1/2004	0	0	0	0	0	0	0
2004	11	2	28442	29.18478	11/1/2004	0	0	0	0	0	1	0

Customer\_Model\_Input

YEAR	MONTH	REVCLS	CUST	DAYS	time	res1	res2	com1	com3	com4	ind1	ind2	
2004	11	3.1	923	29.7639	11/1/2004	0	0	0	0	0	0	1	0
2004	11	3.15	520	29.29673	11/1/2004	0	0	0	0	0	0	0	0
2004	11	3.2	8	29.7639	11/1/2004	0	0	0	0	0	0	0	0
2004	11	3.25	3	29.29673	11/1/2004	0	0	0	0	0	0	0	0
2004	11	4	444	29.88481	11/1/2004	0	0	0	0	0	0	0	0
2004	12	1	144623	32.42669	12/1/2004	0	0	0	0	0	0	0	0
2004	12	2	28496	32.49588	12/1/2004	0	0	0	0	0	1	0	0
2004	12	3.1	928	32.24281	12/1/2004	0	0	0	0	0	0	1	0
2004	12	3.15	515	33.5674	12/1/2004	0	0	0	0	0	0	0	0
2004	12	3.2	8	32.24281	12/1/2004	0	0	0	0	0	0	0	0
2004	12	3.25	3	33.5674	12/1/2004	0	0	0	0	0	0	0	0
2004	12	4	442	31.3734	12/1/2004	0	0	0	0	0	0	0	0
2005	1	1	144900	32.73432	1/1/2005	0	0	0	0	0	0	0	0
2005	1	2	28555	32.68588	1/1/2005	0	0	0	0	0	1	0	0
2005	1	3.1	932	31.19421	1/1/2005	0	0	0	0	0	0	1	0
2005	1	3.15	518	31.36259	1/1/2005	0	0	0	0	0	0	0	0
2005	1	3.2	8	31.19421	1/1/2005	0	0	0	0	0	0	0	0
2005	1	3.25	3	31.36259	1/1/2005	0	0	0	0	0	0	0	0
2005	1	4	445	31.43818	1/1/2005	0	0	0	0	0	0	0	0
2005	2	1	144415	29.31827	2/1/2005	-1	0	0	0	0	0	0	0
2005	2	2	28492	29.63611	2/1/2005	0	0	0	0	0	1	0	0
2005	2	3.1	928	29.65061	2/1/2005	0	0	0	0	0	0	1	0
2005	2	3.15	515	29.39729	2/1/2005	0	0	0	0	0	0	0	0
2005	2	3.2	8	29.65061	2/1/2005	0	0	0	0	0	0	0	0
2005	2	3.25	3	29.39729	2/1/2005	0	0	0	0	0	0	0	0
2005	2	4	441	28.43899	2/1/2005	0	0	0	0	0	0	0	0
2005	3	1	145259	29.22835	3/1/2005	1	0	0	0	0	0	0	0
2005	3	2	28726	29.44492	3/1/2005	0	0	0	0	0	1	0	0
2005	3	3.1	941	29.78857	3/1/2005	0	0	0	0	0	0	1	0
2005	3	3.15	521	30.55127	3/1/2005	0	0	0	0	0	0	0	0
2005	3	3.2	8	29.78857	3/1/2005	0	0	0	0	0	0	0	0
2005	3	3.25	3	30.55127	3/1/2005	0	0	0	0	0	0	0	0
2005	3	4	445	30.72201	3/1/2005	0	0	0	0	0	0	0	0
2005	4	1	144955	30.302	4/1/2005	0	0	0	0	0	0	0	0
2005	4	2	28742	30.42241	4/1/2005	0	0	0	0	0	1	0	0
2005	4	3.1	928	31.01519	4/1/2005	0	0	0	0	0	0	1	0

Customer\_Model\_Input

YEAR	MONTH	REVCLS	CUST	DAYS	time	res1	res2	com1	com3	com4	ind1	ind2
2005	4	3.15	507	29.99627	4/1/2005	0	0	0	0	0	0	0
2005	4	3.2	8	31.01519	4/1/2005	0	0	0	0	0	0	0
2005	4	3.25	3	29.99627	4/1/2005	0	0	0	0	0	0	0
2005	4	4	451	30.09219	4/1/2005	0	0	0	0	0	0	0
2005	5	1	144302	29.16794	5/1/2005	0	0	0	0	0	0	0
2005	5	2	28820	29.1448	5/1/2005	0	0	0	0	0	1	0
2005	5	3.1	931	29.3165	5/1/2005	0	0	0	0	0	0	1
2005	5	3.15	498	29.01906	5/1/2005	0	0	0	0	0	0	0
2005	5	3.2	8	29.3165	5/1/2005	0	0	0	0	0	0	0
2005	5	3.25	3	29.01906	5/1/2005	0	0	0	0	0	0	0
2005	5	4	443	30.58775	5/1/2005	0	0	0	0	0	0	0
2005	6	1	144342	30.50766	6/1/2005	0	0	0	0	0	0	0
2005	6	2	28921	31.11115	6/1/2005	0	0	0	0	0	1	0
2005	6	3.1	933	31.02081	6/1/2005	0	0	0	0	0	0	1
2005	6	3.15	518	28.48873	6/1/2005	0	0	0	0	0	0	0
2005	6	3.2	8	31.02081	6/1/2005	0	0	0	0	0	0	0
2005	6	3.25	3	28.48873	6/1/2005	0	0	0	0	0	0	0
2005	6	4	444	30.39252	6/1/2005	0	0	0	0	0	0	0
2005	7	1	144274	30.09963	7/1/2005	0	0	0	0	0	0	0
2005	7	2	28896	30.35524	7/1/2005	0	0	0	0	0	1	0
2005	7	3.1	929	30.85278	7/1/2005	0	0	0	0	0	0	1
2005	7	3.15	511	30.62609	7/1/2005	0	0	0	0	0	0	0
2005	7	3.2	8	30.85278	7/1/2005	0	0	0	0	0	0	0
2005	7	3.25	3	30.62609	7/1/2005	0	0	0	0	0	0	0
2005	7	4	445	30.81334	7/1/2005	0	0	0	0	0	0	0
2005	8	1	144231	29.48987	8/1/2005	0	0	0	0	0	0	0
2005	8	2	28995	29.36107	8/1/2005	0	0	0	0	0	1	0
2005	8	3.1	934	30.40478	8/1/2005	0	0	0	0	0	0	1
2005	8	3.15	522	29.29777	8/1/2005	0	0	0	0	0	0	0
2005	8	3.2	8	30.40478	8/1/2005	0	0	0	0	0	0	0
2005	8	3.25	3	29.29777	8/1/2005	0	0	0	0	0	0	0
2005	8	4	385	30.79657	8/1/2005	0	0	0	0	0	0	0
2005	9	1	144191	30.1465	9/1/2005	0	0	0	0	0	0	0
2005	9	2	29068	30.56749	9/1/2005	0	0	0	0	0	1	0
2005	9	3.1	936	29.8515	9/1/2005	0	0	0	0	0	0	1
2005	9	3.15	513	30.93929	9/1/2005	0	0	0	0	0	0	0

Customer\_Model\_Input

YEAR	MONTH	REVCLS	CUST	DAYS	time	res1	res2	com1	com3	com4	ind1	ind2
2005	9	3.2	8	29.8515	9/1/2005	0	0	0	0	0	0	0
2005	9	3.25	3	30.93929	9/1/2005	0	0	0	0	0	0	0
2005	9	4	381	30.09382	9/1/2005	0	0	0	0	0	0	0
2005	10	1	144223	29.16351	10/1/2005	0	0	0	0	0	0	0
2005	10	2	29079	29.41399	10/1/2005	0	0	0	0	0	1	0
2005	10	3.1	937	30.42046	10/1/2005	0	0	0	0	0	0	1
2005	10	3.15	516	29.4993	10/1/2005	0	0	0	0	0	0	0
2005	10	3.2	8	30.42046	10/1/2005	0	0	0	0	0	0	0
2005	10	3.25	3	29.4993	10/1/2005	0	0	0	0	0	0	0
2005	10	4	381	30.76238	10/1/2005	0	0	0	0	0	0	0
2005	11	1	144419	29.40777	11/1/2005	0	0	0	0	0	0	0
2005	11	2	29040	30.01907	11/1/2005	0	0	0	0	0	1	0
2005	11	3.1	935	30.32964	11/1/2005	0	0	0	0	0	0	1
2005	11	3.15	506	30.00235	11/1/2005	0	0	0	0	0	0	0
2005	11	3.2	8	30.32964	11/1/2005	0	0	0	0	0	0	0
2005	11	3.25	3	30.00235	11/1/2005	0	0	0	0	0	0	0
2005	11	4	386	30.00515	11/1/2005	0	0	0	0	0	0	0
2005	12	1	144641	31.82539	12/1/2005	0	0	0	0	0	0	0
2005	12	2	29064	32.14323	12/1/2005	0	0	0	0	0	1	0
2005	12	3.1	940	31.47111	12/1/2005	0	0	0	0	0	0	1
2005	12	3.15	506	32.59584	12/1/2005	0	0	0	0	0	0	0
2005	12	3.2	8	31.47111	12/1/2005	0	0	0	0	0	0	0
2005	12	3.25	3	32.59584	12/1/2005	0	0	0	0	0	0	0
2005	12	4	382	31.16394	12/1/2005	0	0	0	0	0	0	0
2006	1	1	144830	32.99815	1/1/2006	0	0	0	0	0	0	0
2006	1	2	29121	33.05543	1/1/2006	0	0	0	0	0	1	0
2006	1	3.1	947	31.4142	1/1/2006	0	0	0	0	0	0	1
2006	1	3.15	505	32.50934	1/1/2006	0	0	0	0	0	0	0
2006	1	3.2	8	31.4142	1/1/2006	0	0	0	0	0	0	0
2006	1	3.25	3	32.50934	1/1/2006	0	0	0	0	0	0	0
2006	1	4	380	31.46969	1/1/2006	0	0	0	0	0	0	0
2006	2	1	144530	29.45074	2/1/2006	0	-1	0	0	0	0	0
2006	2	2	29047	29.8473	2/1/2006	0	0	0	0	0	1	0
2006	2	3.1	938	29.14665	2/1/2006	0	0	0	0	0	0	1
2006	2	3.15	504	29.9286	2/1/2006	0	0	0	0	0	0	0
2006	2	3.2	8	29.14665	2/1/2006	0	0	0	0	0	0	0

Customer\_Model\_Input

YEAR	MONTH	REVCLS	CUST	DAYS	time	res1	res2	com1	com3	com4	ind1	ind2
2006	2	3.25	3	29.9286	2/1/2006	0	0	0	0	0	0	0
2006	2	4	381	28.39496	2/1/2006	0	0	0	0	0	0	0
2006	3	1	145013	28.64459	3/1/2006	0	1	0	0	0	0	0
2006	3	2	29187	28.66822	3/1/2006	0	0	0	0	0	1	0
2006	3	3.1	952	29.56764	3/1/2006	0	0	0	0	0	0	1
2006	3	3.15	509	29.01676	3/1/2006	0	0	0	0	0	0	0
2006	3	3.2	8	29.56764	3/1/2006	0	0	0	0	0	0	0
2006	3	3.25	3	29.01676	3/1/2006	0	0	0	0	0	0	0
2006	3	4	383	30.63371	3/1/2006	0	0	0	0	0	0	0
2006	4	1	144560	28.66317	4/1/2006	0	0	0	0	0	0	0
2006	4	2	29148	28.87768	4/1/2006	0	0	0	0	0	1	0
2006	4	3.1	945	29.69427	4/1/2006	0	0	0	0	0	0	1
2006	4	3.15	499	29.10633	4/1/2006	0	0	0	0	0	0	0
2006	4	3.2	8	29.69427	4/1/2006	0	0	0	0	0	0	0
2006	4	3.25	3	29.10633	4/1/2006	0	0	0	0	0	0	0
2006	4	4	381	29.74894	4/1/2006	0	0	0	0	0	0	0
2006	5	1	144258	29.82108	5/1/2006	0	0	0	0	0	0	0
2006	5	2	29245	29.96966	5/1/2006	0	0	0	0	0	1	0
2006	5	3.1	942	29.96456	5/1/2006	0	0	0	0	0	0	1
2006	5	3.15	497	29.06314	5/1/2006	0	0	0	0	0	0	0
2006	5	3.2	8	29.96456	5/1/2006	0	0	0	0	0	0	0
2006	5	3.25	3	29.06314	5/1/2006	0	0	0	0	0	0	0
2006	5	4	379	30.8532	5/1/2006	0	0	0	0	0	0	0
2006	6	1	144120	30.45925	6/1/2006	0	0	0	0	0	0	0
2006	6	2	29278	30.9654	6/1/2006	0	0	0	0	0	1	0
2006	6	3.1	954	30.61639	6/1/2006	0	0	0	0	0	0	1
2006	6	3.15	499	30.91848	6/1/2006	0	0	0	0	0	0	0
2006	6	3.2	8	30.61639	6/1/2006	0	0	0	0	0	0	0
2006	6	3.25	3	30.91848	6/1/2006	0	0	0	0	0	0	0
2006	6	4	380	30.26579	6/1/2006	0	0	0	0	0	0	0
2006	7	1	144118	30.19506	7/1/2006	0	0	0	0	0	0	0
2006	7	2	29279	30.63197	7/1/2006	0	0	0	0	0	1	0
2006	7	3.1	946	30.85364	7/1/2006	0	0	0	0	0	0	1
2006	7	3.15	505	30.56557	7/1/2006	0	0	0	0	0	0	0
2006	7	3.2	8	30.85364	7/1/2006	0	0	0	0	0	0	0
2006	7	3.25	3	30.56557	7/1/2006	0	0	0	0	0	0	0

Customer\_Model\_input

YEAR	MONTH	REVCLS	CUST	DAYS	time	res1	res2	com1	com3	com4	ind1	ind2
2006	7	4	381	30.95578	7/1/2006	0	0	0	0	0	0	0
2006	8	1	144248	28.97765	8/1/2006	0	0	0	0	0	0	0
2006	8	2	29339	28.80994	8/1/2006	0	0	0	0	0	1	0
2006	8	3.1	941	30.32618	8/1/2006	0	0	0	0	0	0	1
2006	8	3.15	510	29.1879	8/1/2006	0	0	0	0	0	0	0
2006	8	3.2	8	30.32618	8/1/2006	0	0	0	0	0	0	0
2006	8	3.25	3	29.1879	8/1/2006	0	0	0	0	0	0	0
2006	8	4	381	30.68296	8/1/2006	0	0	0	0	0	0	0
2006	9	1	144269	30.28493	9/1/2006	0	0	0	0	0	0	0
2006	9	2	29384	30.86706	9/1/2006	0	0	0	0	0	1	0
2006	9	3.1	941	30.43031	9/1/2006	0	0	0	0	0	0	1
2006	9	3.15	508	31.28174	9/1/2006	0	0	0	0	0	0	0
2006	9	3.2	8	30.43031	9/1/2006	0	0	0	0	0	0	0
2006	9	3.25	3	31.28174	9/1/2006	0	0	0	0	0	0	0
2006	9	4	379	30.08968	9/1/2006	0	0	0	0	0	0	0
2006	10	1	144313	29.72338	10/1/2006	0	0	0	0	0	0	0
2006	10	2	29597	29.64892	10/1/2006	0	0	0	0	0	1	0
2006	10	3.1	941	30.436	10/1/2006	0	0	0	0	0	0	1
2006	10	3.15	511	29.41768	10/1/2006	0	0	0	0	0	0	0
2006	10	3.2	8	30.436	10/1/2006	0	0	0	0	0	0	0
2006	10	3.25	3	29.41768	10/1/2006	0	0	0	0	0	0	0
2006	10	4	379	30.81566	10/1/2006	0	0	0	0	0	0	0
2006	11	1	144545	28.98547	11/1/2006	0	0	0	0	0	0	0
2006	11	2	29433	29.5718	11/1/2006	0	0	0	0	0	1	0
2006	11	3.1	944	31.00418	11/1/2006	0	0	0	0	0	0	1
2006	11	3.15	507	30.03943	11/1/2006	0	0	0	0	0	0	0
2006	11	3.2	8	31.00418	11/1/2006	0	0	0	0	0	0	0
2006	11	3.25	3	30.03943	11/1/2006	0	0	0	0	0	0	0
2006	11	4	380	29.90276	11/1/2006	0	0	0	0	0	0	0
2006	12	1	144554	31.7185	12/1/2006	0	0	0	0	0	0	0
2006	12	2	29354	31.74469	12/1/2006	0	0	0	0	0	1	0
2006	12	3.1	944	30.87033	12/1/2006	0	0	0	0	0	0	1
2006	12	3.15	503	32.74669	12/1/2006	0	0	0	0	0	0	0
2006	12	3.2	8	30.87033	12/1/2006	0	0	0	0	0	0	0
2006	12	3.25	3	32.74669	12/1/2006	0	0	0	0	0	0	0
2006	12	4	380	30.99288	12/1/2006	0	0	0	0	0	0	0



Customer\_Model\_Input

YEAR	MONTH	REVCLS	CUST	DAYS	time	res1	res2	com1	com3	com4	ind1	ind2
2007	1	1	144815	32.74613	1/1/2007	0	0	0	0	0	0	0
2007	1	2	29460	32.9547	1/1/2007	0	0	0	0	0	1	0
2007	1	3.1	949	31.69911	1/1/2007	0	0	0	0	0	0	1
2007	1	3.15	500	32.43265	1/1/2007	0	0	0	0	0	0	0
2007	1	3.2	8	31.69911	1/1/2007	0	0	0	0	0	0	0
2007	1	3.25	3	32.43265	1/1/2007	0	0	0	0	0	0	0
2007	1	4	378	31.28989	1/1/2007	0	0	0	0	0	0	0
2007	2	1	144843	29.15659	2/1/2007	0	0	0	0	0	0	0
2007	2	2	29416	29.34591	2/1/2007	0	0	0	0	0	1	0
2007	2	3.1	943	29.23548	2/1/2007	0	0	0	0	0	0	1
2007	2	3.15	493	29.27995	2/1/2007	0	0	0	0	0	0	0
2007	2	3.2	8	29.23548	2/1/2007	0	0	0	0	0	0	0
2007	2	3.25	3	29.27995	2/1/2007	0	0	0	0	0	0	0
2007	2	4	376	28.31838	2/1/2007	0	0	0	0	0	0	0
2007	3	1	144494	28.98988	3/1/2007	0	0	0	0	0	0	0
2007	3	2	29460	29.09363	3/1/2007	0	0	0	0	0	1	0
2007	3	3.1	938	30.42645	3/1/2007	0	0	0	0	0	0	1
2007	3	3.15	497	29.33134	3/1/2007	0	0	0	0	0	0	0
2007	3	3.2	8	30.42645	3/1/2007	0	0	0	0	0	0	0
2007	3	3.25	3	29.33134	3/1/2007	0	0	0	0	0	0	0
2007	3	4	376	30.71104	3/1/2007	0	0	0	0	0	0	0
2007	4	1	144179	30.59399	4/1/2007	0	0	0	0	0	0	0
2007	4	2	29427	30.79882	4/1/2007	0	0	0	0	0	1	0
2007	4	3.1	935	30.13502	4/1/2007	0	0	0	0	0	0	1
2007	4	3.15	488	30.47752	4/1/2007	0	0	0	0	0	0	0
2007	4	3.2	8	30.13502	4/1/2007	0	0	0	0	0	0	0
2007	4	3.25	3	30.47752	4/1/2007	0	0	0	0	0	0	0
2007	4	4	374	30.13104	4/1/2007	0	0	0	0	0	0	0
2007	5	1	143841	29.71183	5/1/2007	0	0	0	0	0	0	0
2007	5	2	29570	30.02799	5/1/2007	0	0	0	0	0	1	0
2007	5	3.1	931	30.73249	5/1/2007	0	0	0	0	0	0	1
2007	5	3.15	484	29.92622	5/1/2007	0	0	0	0	0	0	0
2007	5	3.2	8	30.73249	5/1/2007	0	0	0	0	0	0	0
2007	5	3.25	3	29.92622	5/1/2007	0	0	0	0	0	0	0
2007	5	4	374	29.21358	5/1/2007	0	0	0	0	0	0	0
2007	6	1	143743	30.18442	6/1/2007	0	0	0	0	0	0	0

Customer\_Model\_Input

YEAR	MONTH	REVCLS	CUST	DAYS	time	res1	res2	com1	com3	com4	ind1	ind2
2007	6	2	29678	30.43059	6/1/2007	0	0	0	0	0	1	0
2007	6	3.1	944	30.1377	6/1/2007	0	0	0	0	0	0	1
2007	6	3.15	481	30.44972	6/1/2007	0	0	0	0	0	0	0
2007	6	3.2	8	30.1377	6/1/2007	0	0	0	0	0	0	0
2007	6	3.25	3	30.44972	6/1/2007	0	0	0	0	0	0	0
2007	6	4	373	29.44079	6/1/2007	0	0	0	0	0	0	0
2007	7	1	143666	29.65501	7/1/2007	0	0	0	0	0	0	0
2007	7	2	29736	30.11777	7/1/2007	0	0	0	0	0	1	0
2007	7	3.1	941	30.09714	7/1/2007	0	0	0	0	0	0	1
2007	7	3.15	491	29.96382	7/1/2007	0	0	0	0	0	0	0
2007	7	3.2	8	30.09714	7/1/2007	0	0	0	0	0	0	0
2007	7	3.25	3	29.96382	7/1/2007	0	0	0	0	0	0	0
2007	7	4	372	30.45981	7/1/2007	0	0	0	0	0	0	0
2007	8	1	143970	29.23694	8/1/2007	0	0	0	0	0	0	0
2007	8	2	29828	29.35278	8/1/2007	0	0	0	0	0	1	0
2007	8	3.1	941	30.7592	8/1/2007	0	0	0	0	0	0	1
2007	8	3.15	490	29.61587	8/1/2007	0	0	0	0	0	0	0
2007	8	3.2	8	30.7592	8/1/2007	0	0	0	0	0	0	0
2007	8	3.25	3	29.61587	8/1/2007	0	0	0	0	0	0	0
2007	8	4	365	30.57461	8/1/2007	0	0	0	0	0	0	0
2007	9	1	144118	30.11878	9/1/2007	0	0	0	0	0	0	0
2007	9	2	29876	30.39759	9/1/2007	0	0	0	0	0	1	0
2007	9	3.1	942	30.50425	9/1/2007	0	0	0	0	0	0	1
2007	9	3.15	485	30.83224	9/1/2007	0	0	0	0	0	0	0
2007	9	3.2	8	30.50425	9/1/2007	0	0	0	0	0	0	0
2007	9	3.25	3	30.83224	9/1/2007	0	0	0	0	0	0	0
2007	9	4	388	30.49225	9/1/2007	0	0	0	0	0	0	0
2007	10	1	144087	29.3602	10/1/2007	0	0	0	0	0	0	0
2007	10	2	29925	29.64791	10/1/2007	0	0	0	0	0	1	0
2007	10	3.1	936	29.6435	10/1/2007	0	0	0	0	0	0	1
2007	10	3.15	480	29.4706	10/1/2007	0	0	0	0	0	0	0
2007	10	3.2	8	29.6435	10/1/2007	0	0	0	0	0	0	0
2007	10	3.25	3	29.4706	10/1/2007	0	0	0	0	0	0	0
2007	10	4	377	30.07159	10/1/2007	0	0	0	0	0	0	0
2007	11	1	144181	29.79921	11/1/2007	0	0	0	0	0	0	0
2007	11	2	29935	30.07807	11/1/2007	0	0	0	0	0	1	0

Customer\_Model\_Input

YEAR	MONTH	REVCLS	CUST	DAYS	time	res1	res2	com1	com3	com4	ind1	ind2	
2007	11	3.1	937	31.06712	11/1/2007	0	0	0	0	0	0	1	0
2007	11	3.15	476	30.88824	11/1/2007	0	0	0	0	0	0	0	0
2007	11	3.2	8	31.06712	11/1/2007	0	0	0	0	0	0	0	0
2007	11	3.25	3	30.88824	11/1/2007	0	0	0	0	0	0	0	0
2007	11	4	374	31.26916	11/1/2007	0	0	0	0	0	0	0	0
2007	12	1	144542	31.98046	12/1/2007	0	0	0	0	0	0	0	0
2007	12	2	29922	32.11237	12/1/2007	0	0	0	0	0	1	0	0
2007	12	3.1	935	30.88226	12/1/2007	0	0	0	0	0	0	1	0
2007	12	3.15	471	31.92093	12/1/2007	0	0	0	0	0	0	0	0
2007	12	3.2	8	30.88226	12/1/2007	0	0	0	0	0	0	0	0
2007	12	3.25	3	31.92093	12/1/2007	0	0	0	0	0	0	0	0
2007	12	4	373	31.34007	12/1/2007	0	0	0	0	0	0	0	0
2008	1	1	144825	32.80213	1/1/2008	0	0	0	0	0	0	0	0
2008	1	2	29969	33.06407	1/1/2008	0	0	0	0	0	1	0	0
2008	1	3.1	937	31.27191	1/1/2008	0	0	0	0	0	0	1	0
2008	1	3.15	473	32.78802	1/1/2008	0	0	0	0	0	0	0	0
2008	1	3.2	8	31.27191	1/1/2008	0	0	0	0	0	0	0	0
2008	1	3.25	3	32.78802	1/1/2008	0	0	0	0	0	0	0	0
2008	1	4	380	31.88564	1/1/2008	0	0	0	0	0	0	0	0
2008	2	1	144690	29.24555	2/1/2008	0	0	0	0	0	0	0	0
2008	2	2	29955	29.36259	2/1/2008	0	0	0	0	0	1	0	0
2008	2	3.1	940	29.39088	2/1/2008	0	0	0	0	0	0	1	0
2008	2	3.15	475	29.05014	2/1/2008	0	0	0	0	0	0	0	0
2008	2	3.2	8	29.39088	2/1/2008	0	0	0	0	0	0	0	0
2008	2	3.25	3	29.05014	2/1/2008	0	0	0	0	0	0	0	0
2008	2	4	379	29.31406	2/1/2008	0	0	0	0	0	0	0	0
2008	3	1	144365	29.09202	3/1/2008	0	0	0	0	0	0	0	0
2008	3	2	29975	29.48052	3/1/2008	0	0	0	0	0	1	0	0
2008	3	3.1	952	29.94087	3/1/2008	0	0	0	0	0	0	1	0
2008	3	3.15	469	29.53445	3/1/2008	0	0	0	0	0	0	0	0
2008	3	3.2	8	29.94087	3/1/2008	0	0	0	0	0	0	0	0
2008	3	3.25	3	29.53445	3/1/2008	0	0	0	0	0	0	0	0
2008	3	4	376	30.19913	3/1/2008	0	0	0	0	0	0	0	0
2008	4	1	143988	30.45362	4/1/2008	0	0	0	0	0	0	0	0
2008	4	2	30023	30.33644	4/1/2008	0	0	0	0	0	1	0	0
2008	4	3.1	947	30.69812	4/1/2008	0	0	0	0	0	0	1	0

Customer\_Model\_Input

YEAR	MONTH	REVCLS	CUST	DAYS	time	res1	res2	com1	com3	com4	ind1	ind2
2008	4	3.15	462	30.06878	4/1/2008	0	0	0	0	0	0	0
2008	4	3.2	8	30.69812	4/1/2008	0	0	0	0	0	0	0
2008	4	3.25	3	30.06878	4/1/2008	0	0	0	0	0	0	0
2008	4	4	383	30.47599	4/1/2008	0	0	0	0	0	0	0
2008	5	1	143799	29.05732	5/1/2008	0	0	0	0	0	0	0
2008	5	2	30069	29.31006	5/1/2008	0	0	0	0	0	1	0
2008	5	3.1	948	30.51485	5/1/2008	0	0	0	0	0	0	1
2008	5	3.15	461	29.95926	5/1/2008	0	0	0	0	0	0	0
2008	5	3.2	8	30.51485	5/1/2008	0	0	0	0	0	0	0
2008	5	3.25	3	29.95926	5/1/2008	0	0	0	0	0	0	0
2008	5	4	374	30.12412	5/1/2008	0	0	0	0	0	0	0
2008	6	1	143710	30.47884	6/1/2008	0	0	0	0	0	0	0
2008	6	2	30080	30.75832	6/1/2008	0	0	0	0	0	1	0
2008	6	3.1	956	30.33335	6/1/2008	0	0	0	0	0	0	1
2008	6	3.15	460	30.49675	6/1/2008	0	0	0	0	0	0	0
2008	6	3.2	8	30.33335	6/1/2008	0	0	0	0	0	0	0
2008	6	3.25	3	30.49675	6/1/2008	0	0	0	0	0	0	0
2008	6	4	373	29.89861	6/1/2008	0	0	0	0	0	0	0
2008	7	1	143789	30.12992	7/1/2008	0	0	0	0	0	0	0
2008	7	2	29341	30.34804	7/1/2008	0	0	1	0	0	1	0
2008	7	3.1	957	30.67491	7/1/2008	0	0	0	0	0	0	1
2008	7	3.15	466	30.56879	7/1/2008	0	0	0	0	0	0	0
2008	7	3.2	8	30.67491	7/1/2008	0	0	0	0	0	0	0
2008	7	3.25	3	30.56879	7/1/2008	0	0	0	0	0	0	0
2008	7	4	386	31.00513	7/1/2008	0	0	0	0	0	0	0
2008	8	1	143832	29.61116	8/1/2008	0	0	0	0	0	0	0
2008	8	2	29387	29.82657	8/1/2008	0	0	1	0	0	1	0
2008	8	3.1	951	29.80758	8/1/2008	0	0	0	0	0	0	1
2008	8	3.15	460	28.93535	8/1/2008	0	0	0	0	0	0	0
2008	8	3.2	8	29.80758	8/1/2008	0	0	0	0	0	0	0
2008	8	3.25	3	28.93535	8/1/2008	0	0	0	0	0	0	0
2008	8	4	380	29.66358	8/1/2008	0	0	0	0	0	0	0
2008	9	1	143855	30.11183	9/1/2008	0	0	0	0	0	0	0
2008	9	2	29479	30.36998	9/1/2008	0	0	1	0	0	1	0
2008	9	3.1	966	30.44681	9/1/2008	0	0	0	0	0	0	1
2008	9	3.15	464	30.41088	9/1/2008	0	0	0	0	0	0	0

Customer\_Model\_Input

YEAR	MONTH	REVCLS	CUST	DAYS	time	res1	res2	com1	com3	com4	ind1	ind2
2008	9	3.2	8	30.44681	9/1/2008	0	0	0	0	0	0	0
2008	9	3.25	3	30.41088	9/1/2008	0	0	0	0	0	0	0
2008	9	4	376	30.40061	9/1/2008	0	0	0	0	0	0	0
2008	10	1	143884	29.35764	10/1/2008	0	0	0	0	0	0	0
2008	10	2	29482	29.42098	10/1/2008	0	0	1	0	0	1	0
2008	10	3.1	972	30.35594	10/1/2008	0	0	0	0	0	0	1
2008	10	3.15	469	29.71234	10/1/2008	0	0	0	0	0	0	0
2008	10	3.2	8	30.35594	10/1/2008	0	0	0	0	0	0	0
2008	10	3.25	3	29.71234	10/1/2008	0	0	0	0	0	0	0
2008	10	4	379	29.82067	10/1/2008	0	0	0	0	0	0	0
2008	11	1		29.2014	11/1/2008	0	0	0	0	0	0	0
2008	11	2		29.57608	11/1/2008	0	0	1	0	0	1	0
2008	11	3.1		30.10377	11/1/2008	0	0	0	0	0	0	1
2008	11	3.15		29.83027	11/1/2008	0	0	0	0	0	0	0
2008	11	3.2		30.10377	11/1/2008	0	0	0	0	0	0	0
2008	11	3.25		29.83027	11/1/2008	0	0	0	0	0	0	0
2008	11	4		30.0422	11/1/2008	0	0	0	0	0	0	0
2008	12	1		32.04436	12/1/2008	0	0	0	0	0	0	0
2008	12	2		32.23553	12/1/2008	0	0	1	0	0	1	0
2008	12	3.1		31.77028	12/1/2008	0	0	0	0	0	0	1
2008	12	3.15		33.02509	12/1/2008	0	0	0	0	0	0	0
2008	12	3.2		31.77028	12/1/2008	0	0	0	0	0	0	0
2008	12	3.25		33.02509	12/1/2008	0	0	0	0	0	0	0
2008	12	4		31.22644	12/1/2008	0	0	0	0	0	0	0
2009	1	1		32.864	1/1/2009	0	0	0	0	0	0	0
2009	1	2		32.94871	1/1/2009	0	0	1	0	0	1	0
2009	1	3.1		31.36097	1/1/2009	0	0	0	0	0	0	1
2009	1	3.15		32.1895	1/1/2009	0	0	0	0	0	0	0
2009	1	3.2		31.36097	1/1/2009	0	0	0	0	0	0	0
2009	1	3.25		32.1895	1/1/2009	0	0	0	0	0	0	0
2009	1	4		31.51891	1/1/2009	0	0	0	0	0	0	0
2009	2	1		29.35344	2/1/2009	0	0	0	0	0	0	0
2009	2	2		29.62475	2/1/2009	0	0	1	0	0	1	0
2009	2	3.1		29.29735	2/1/2009	0	0	0	0	0	0	1
2009	2	3.15		29.45578	2/1/2009	0	0	0	0	0	0	0
2009	2	3.2		29.29735	2/1/2009	0	0	0	0	0	0	0

Customer\_Model\_Input

YEAR	MONTH	REVCLS	CUST	DAYS	time	res1	res2	com1	com3	com4	ind1	ind2
2009	2	3.25		29.45578	2/1/2009	0	0	0	0	0	0	0
2009	2	4		28.69443	2/1/2009	0	0	0	0	0	0	0
2009	3	1		28.95418	3/1/2009	0	0	0	0	0	0	0
2009	3	2		29.1325	3/1/2009	0	0	1	0	1	0	0
2009	3	3.1		30.035	3/1/2009	0	0	0	0	0	1	0
2009	3	3.15		29.71288	3/1/2009	0	0	0	0	0	0	0
2009	3	3.2		30.035	3/1/2009	0	0	0	0	0	0	0
2009	3	3.25		29.71288	3/1/2009	0	0	0	0	0	0	0
2009	3	4		30.58865	3/1/2009	0	0	0	0	0	0	0
2009	4	1		29.82836	4/1/2009	0	0	0	0	0	0	0
2009	4	2		30.02993	4/1/2009	0	0	1	0	1	0	0
2009	4	3.1		30.27494	4/1/2009	0	0	0	0	0	1	0
2009	4	3.15		29.74916	4/1/2009	0	0	0	0	0	0	0
2009	4	3.2		30.27494	4/1/2009	0	0	0	0	0	0	0
2009	4	3.25		29.74916	4/1/2009	0	0	0	0	0	0	0
2009	4	4		30.05838	4/1/2009	0	0	0	0	0	0	0
2009	5	1		29.43272	5/1/2009	0	0	0	0	0	0	0
2009	5	2		29.5879	5/1/2009	0	0	1	0	1	0	0
2009	5	3.1		30.0092	5/1/2009	0	0	0	0	0	1	0
2009	5	3.15		28.9744	5/1/2009	0	0	0	0	0	0	0
2009	5	3.2		30.0092	5/1/2009	0	0	0	0	0	0	0
2009	5	3.25		28.9744	5/1/2009	0	0	0	0	0	0	0
2009	5	4		30.5236	5/1/2009	0	0	0	0	0	0	0
2009	6	1		30.5628	6/1/2009	0	0	0	0	0	0	0
2009	6	2		31.02724	6/1/2009	0	0	1	0	1	0	0
2009	6	3.1		30.6684	6/1/2009	0	0	0	0	0	1	0
2009	6	3.15		30.10796	6/1/2009	0	0	0	0	0	0	0
2009	6	3.2		30.6684	6/1/2009	0	0	0	0	0	0	0
2009	6	3.25		30.10796	6/1/2009	0	0	0	0	0	0	0
2009	6	4		30.22742	6/1/2009	0	0	0	0	0	0	0
2009	7	1		30.19662	7/1/2009	0	0	0	0	0	0	0
2009	7	2		30.55314	7/1/2009	0	0	1	0	1	0	0
2009	7	3.1		30.6751	7/1/2009	0	0	0	0	0	1	0
2009	7	3.15		30.65914	7/1/2009	0	0	0	0	0	0	0
2009	7	3.2		30.6751	7/1/2009	0	0	0	0	0	0	0
2009	7	3.25		30.65914	7/1/2009	0	0	0	0	0	0	0

Customer\_Model\_Input

YEAR	MONTH	REVCLS	CUST	DAYS	time	res1	res2	com1	com3	com4	ind1	ind2
2009	7	4		30.91708	7/1/2009	0	0	0	0	0	0	0
2009	8	1		29.12086	8/1/2009	0	0	0	0	0	0	0
2009	8	2		29.18128	8/1/2009	0	0	1	0	0	1	0
2009	8	3.1		30.49662	8/1/2009	0	0	0	0	0	0	1
2009	8	3.15		29.1509	8/1/2009	0	0	0	0	0	0	0
2009	8	3.2		30.49662	8/1/2009	0	0	0	0	0	0	0
2009	8	3.25		29.1509	8/1/2009	0	0	0	0	0	0	0
2009	8	4		30.54584	8/1/2009	0	0	0	0	0	0	0
2009	9	1		30.12438	9/1/2009	0	0	0	0	0	0	0
2009	9	2		30.42426	9/1/2009	0	0	1	0	0	1	0
2009	9	3.1		30.25851	9/1/2009	0	0	0	0	0	0	1
2009	9	3.15		30.71044	9/1/2009	0	0	0	0	0	0	0
2009	9	3.2		30.25851	9/1/2009	0	0	0	0	0	0	0
2009	9	3.25		30.71044	9/1/2009	0	0	0	0	0	0	0
2009	9	4		30.13359	9/1/2009	0	0	0	0	0	0	0
2009	10	1		29.42955	10/1/2009	0	0	0	0	0	0	0
2009	10	2		29.75238	10/1/2009	0	0	1	0	0	1	0
2009	10	3.1		30.40293	10/1/2009	0	0	0	0	0	0	1
2009	10	3.15		29.46108	10/1/2009	0	0	0	0	0	0	0
2009	10	3.2		30.40293	10/1/2009	0	0	0	0	0	0	0
2009	10	3.25		29.46108	10/1/2009	0	0	0	0	0	0	0
2009	10	4		30.65925	10/1/2009	0	0	0	0	0	0	0
2009	11	1		29.2014	11/1/2009	0	0	0	0	0	0	0
2009	11	2		29.57608	11/1/2009	0	0	1	0	0	1	0
2009	11	3.1		30.10377	11/1/2009	0	0	0	0	0	0	1
2009	11	3.15		29.83027	11/1/2009	0	0	0	0	0	0	0
2009	11	3.2		30.10377	11/1/2009	0	0	0	0	0	0	0
2009	11	3.25		29.83027	11/1/2009	0	0	0	0	0	0	0
2009	11	4		30.0422	11/1/2009	0	0	0	0	0	0	0
2009	12	1		32.04436	12/1/2009	0	0	0	0	0	0	0
2009	12	2		32.23553	12/1/2009	0	0	1	0	0	1	0
2009	12	3.1		31.77028	12/1/2009	0	0	0	0	0	0	1
2009	12	3.15		33.02509	12/1/2009	0	0	0	0	0	0	0
2009	12	3.2		31.77028	12/1/2009	0	0	0	0	0	0	0
2009	12	3.25		33.02509	12/1/2009	0	0	0	0	0	0	0
2009	12	4		31.22644	12/1/2009	0	0	0	0	0	0	0

Customer\_Model\_Input

YEAR	MONTH	REVCLS	CUST	DAYS	time	res1	res2	com1	com3	com4	ind1	ind2
2010	1	1	1	32.864	1/1/2010	0	0	0	0	0	0	0
2010	1	2	2	32.94871	1/1/2010	0	0	1	0	1	0	0
2010	1	3.1	3.1	31.36097	1/1/2010	0	0	0	0	0	1	0
2010	1	3.15	3.15	32.1895	1/1/2010	0	0	0	0	0	0	0
2010	1	3.2	3.2	31.36097	1/1/2010	0	0	0	0	0	0	0
2010	1	3.25	3.25	32.1895	1/1/2010	0	0	0	0	0	0	0
2010	1	4	4	31.51891	1/1/2010	0	0	0	0	0	0	0
2010	2	1	1	29.35344	2/1/2010	0	0	0	0	0	0	0
2010	2	2	2	29.62475	2/1/2010	0	0	1	0	1	0	0
2010	2	3.1	3.1	29.29735	2/1/2010	0	0	0	0	0	1	0
2010	2	3.15	3.15	29.45578	2/1/2010	0	0	0	0	0	0	0
2010	2	3.2	3.2	29.29735	2/1/2010	0	0	0	0	0	0	0
2010	2	3.25	3.25	29.45578	2/1/2010	0	0	0	0	0	0	0
2010	2	4	4	28.69443	2/1/2010	0	0	0	0	0	0	0
2010	3	1	1	28.95418	3/1/2010	0	0	0	0	0	0	0
2010	3	2	2	29.1325	3/1/2010	0	0	1	0	1	0	0
2010	3	3.1	3.1	30.035	3/1/2010	0	0	0	0	0	1	0
2010	3	3.15	3.15	29.71288	3/1/2010	0	0	0	0	0	0	0
2010	3	3.2	3.2	30.035	3/1/2010	0	0	0	0	0	0	0
2010	3	3.25	3.25	29.71288	3/1/2010	0	0	0	0	0	0	0
2010	3	4	4	30.58865	3/1/2010	0	0	0	0	0	0	0
2010	4	1	1	29.82836	4/1/2010	0	0	0	0	0	0	0
2010	4	2	2	30.02993	4/1/2010	0	0	1	0	1	0	0
2010	4	3.1	3.1	30.27494	4/1/2010	0	0	0	0	0	1	0
2010	4	3.15	3.15	29.74916	4/1/2010	0	0	0	0	0	0	0
2010	4	3.2	3.2	30.27494	4/1/2010	0	0	0	0	0	0	0
2010	4	3.25	3.25	29.74916	4/1/2010	0	0	0	0	0	0	0
2010	4	4	4	30.05838	4/1/2010	0	0	0	0	0	0	0
2010	5	1	1	29.43272	5/1/2010	0	0	0	0	0	0	0
2010	5	2	2	29.5879	5/1/2010	0	0	1	0	1	0	0
2010	5	3.1	3.1	30.0092	5/1/2010	0	0	0	0	0	1	0
2010	5	3.15	3.15	28.9744	5/1/2010	0	0	0	0	0	0	0
2010	5	3.2	3.2	30.0092	5/1/2010	0	0	0	0	0	0	0
2010	5	3.25	3.25	28.9744	5/1/2010	0	0	0	0	0	0	0
2010	5	4	4	30.5236	5/1/2010	0	0	0	0	0	0	0
2010	6	1	1	30.5628	6/1/2010	0	0	0	0	0	0	0



Customer\_Model\_Input

YEAR	MONTH	REVCLS	CUST	DAYS	time	res1	res2	com1	com3	com4	ind1	ind2
2010	6	2		31.02724	6/1/2010	0	0	0	1	0	1	0
2010	6	3.1		30.6684	6/1/2010	0	0	0	0	0	0	1
2010	6	3.15		30.10796	6/1/2010	0	0	0	0	0	0	0
2010	6	3.2		30.6684	6/1/2010	0	0	0	0	0	0	0
2010	6	3.25		30.10796	6/1/2010	0	0	0	0	0	0	0
2010	6	4		30.22742	6/1/2010	0	0	0	0	0	0	0
2010	7	1		30.19662	7/1/2010	0	0	0	0	0	0	0
2010	7	2		30.55314	7/1/2010	0	0	0	1	0	1	0
2010	7	3.1		30.6751	7/1/2010	0	0	0	0	0	0	1
2010	7	3.15		30.65914	7/1/2010	0	0	0	0	0	0	0
2010	7	3.2		30.6751	7/1/2010	0	0	0	0	0	0	0
2010	7	3.25		30.65914	7/1/2010	0	0	0	0	0	0	0
2010	7	4		30.91708	7/1/2010	0	0	0	0	0	0	0
2010	8	1		29.12086	8/1/2010	0	0	0	0	0	0	0
2010	8	2		29.18128	8/1/2010	0	0	0	1	0	1	0
2010	8	3.1		30.49662	8/1/2010	0	0	0	0	0	0	1
2010	8	3.15		29.1509	8/1/2010	0	0	0	0	0	0	0
2010	8	3.2		30.49662	8/1/2010	0	0	0	0	0	0	0
2010	8	3.25		29.1509	8/1/2010	0	0	0	0	0	0	0
2010	8	4		30.54584	8/1/2010	0	0	0	0	0	0	0
2010	9	1		30.12438	9/1/2010	0	0	0	0	0	0	0
2010	9	2		30.42426	9/1/2010	0	0	0	1	0	1	0
2010	9	3.1		30.25851	9/1/2010	0	0	0	0	0	0	1
2010	9	3.15		30.71044	9/1/2010	0	0	0	0	0	0	0
2010	9	3.2		30.25851	9/1/2010	0	0	0	0	0	0	0
2010	9	3.25		30.71044	9/1/2010	0	0	0	0	0	0	0
2010	9	4		30.13359	9/1/2010	0	0	0	0	0	0	0
2010	10	1		29.42955	10/1/2010	0	0	0	0	0	0	0
2010	10	2		29.75238	10/1/2010	0	0	0	1	0	1	0
2010	10	3.1		30.40293	10/1/2010	0	0	0	0	0	0	1
2010	10	3.15		29.46108	10/1/2010	0	0	0	0	0	0	0
2010	10	3.2		30.40293	10/1/2010	0	0	0	0	0	0	0
2010	10	3.25		29.46108	10/1/2010	0	0	0	0	0	0	0
2010	10	4		30.65925	10/1/2010	0	0	0	0	0	0	0
2010	11	1		29.2014	11/1/2010	0	0	0	0	0	0	0
2010	11	2		29.57608	11/1/2010	0	0	0	1	0	1	0

Customer\_Model\_Input

YEAR	MONTH	REVCLS	CUST	DAYS	time	res1	res2	com1	com3	com4	ind1	ind2	
2010	11	3.1		30.10377	11/1/2010	0	0	0	0	0	0	1	0
2010	11	3.15		29.83027	11/1/2010	0	0	0	0	0	0	0	0
2010	11	3.2		30.10377	11/1/2010	0	0	0	0	0	0	0	0
2010	11	3.25		29.83027	11/1/2010	0	0	0	0	0	0	0	0
2010	11	4		30.0422	11/1/2010	0	0	0	0	0	0	0	0
2010	12	1		32.04436	12/1/2010	0	0	0	0	0	0	0	0
2010	12	2		32.23553	12/1/2010	0	0	1	0	0	1	0	0
2010	12	3.1		31.77028	12/1/2010	0	0	0	0	0	0	1	0
2010	12	3.15		33.02509	12/1/2010	0	0	0	0	0	0	0	0
2010	12	3.2		31.77028	12/1/2010	0	0	0	0	0	0	0	0
2010	12	3.25		33.02509	12/1/2010	0	0	0	0	0	0	0	0
2010	12	4		31.22644	12/1/2010	0	0	0	0	0	0	0	0
2011	1	1		32.864	1/1/2011	0	0	0	0	0	0	0	0
2011	1	2		32.94871	1/1/2011	0	0	1	0	0	1	0	0
2011	1	3.1		31.36097	1/1/2011	0	0	0	0	0	0	1	0
2011	1	3.15		32.1895	1/1/2011	0	0	0	0	0	0	0	0
2011	1	3.2		31.36097	1/1/2011	0	0	0	0	0	0	0	0
2011	1	3.25		32.1895	1/1/2011	0	0	0	0	0	0	0	0
2011	1	4		31.51891	1/1/2011	0	0	0	0	0	0	0	0
2011	2	1		29.35344	2/1/2011	0	0	0	0	0	0	0	0
2011	2	2		29.62475	2/1/2011	0	0	1	0	0	1	0	0
2011	2	3.1		29.29735	2/1/2011	0	0	0	0	0	0	1	0
2011	2	3.15		29.45578	2/1/2011	0	0	0	0	0	0	0	0
2011	2	3.2		29.29735	2/1/2011	0	0	0	0	0	0	0	0
2011	2	3.25		29.45578	2/1/2011	0	0	0	0	0	0	0	0
2011	2	4		28.69443	2/1/2011	0	0	0	0	0	0	0	0
2011	3	1		28.95418	3/1/2011	0	0	0	0	0	0	0	0
2011	3	2		29.1325	3/1/2011	0	0	1	0	0	1	0	0
2011	3	3.1		30.035	3/1/2011	0	0	0	0	0	0	1	0
2011	3	3.15		29.71288	3/1/2011	0	0	0	0	0	0	0	0
2011	3	3.2		30.035	3/1/2011	0	0	0	0	0	0	0	0
2011	3	3.25		29.71288	3/1/2011	0	0	0	0	0	0	0	0
2011	3	4		30.58865	3/1/2011	0	0	0	0	0	0	0	0
2011	4	1		29.82836	4/1/2011	0	0	0	0	0	0	0	0
2011	4	2		30.02993	4/1/2011	0	0	1	0	0	1	0	0
2011	4	3.1		30.27494	4/1/2011	0	0	0	0	0	0	1	0

Customer\_Model\_Input

YEAR	MONTH	REVCLS	CUST	DAYS	time	res1	res2	com1	com3	com4	ind1	ind2
2011	4	3.15		29.74916	4/1/2011	0	0	0	0	0	0	0
2011	4	3.2		30.27494	4/1/2011	0	0	0	0	0	0	0
2011	4	3.25		29.74916	4/1/2011	0	0	0	0	0	0	0
2011	4	4		30.05838	4/1/2011	0	0	0	0	0	0	0
2011	5	1		29.43272	5/1/2011	0	0	0	0	0	0	0
2011	5	2		29.5879	5/1/2011	0	0	1	0	1	0	0
2011	5	3.1		30.0092	5/1/2011	0	0	0	0	0	0	1
2011	5	3.15		28.9744	5/1/2011	0	0	0	0	0	0	0
2011	5	3.2		30.0092	5/1/2011	0	0	0	0	0	0	0
2011	5	3.25		28.9744	5/1/2011	0	0	0	0	0	0	0
2011	5	4		30.5236	5/1/2011	0	0	0	0	0	0	0
2011	6	1		30.5628	6/1/2011	0	0	0	0	0	0	0
2011	6	2		31.02724	6/1/2011	0	0	1	0	1	0	0
2011	6	3.1		30.6684	6/1/2011	0	0	0	0	0	0	1
2011	6	3.15		30.10796	6/1/2011	0	0	0	0	0	0	0
2011	6	3.2		30.6684	6/1/2011	0	0	0	0	0	0	0
2011	6	3.25		30.10796	6/1/2011	0	0	0	0	0	0	0
2011	6	4		30.22742	6/1/2011	0	0	0	0	0	0	0
2011	7	1		30.19662	7/1/2011	0	0	0	0	0	0	0
2011	7	2		30.55314	7/1/2011	0	0	1	0	1	0	0
2011	7	3.1		30.6751	7/1/2011	0	0	0	0	0	0	1
2011	7	3.15		30.65914	7/1/2011	0	0	0	0	0	0	0
2011	7	3.2		30.6751	7/1/2011	0	0	0	0	0	0	0
2011	7	3.25		30.65914	7/1/2011	0	0	0	0	0	0	0
2011	7	4		30.91708	7/1/2011	0	0	0	0	0	0	0
2011	8	1		29.12086	8/1/2011	0	0	0	0	0	0	0
2011	8	2		29.18128	8/1/2011	0	0	1	0	1	0	0
2011	8	3.1		30.49662	8/1/2011	0	0	0	0	0	0	1
2011	8	3.15		29.1509	8/1/2011	0	0	0	0	0	0	0
2011	8	3.2		30.49662	8/1/2011	0	0	0	0	0	0	0
2011	8	3.25		29.1509	8/1/2011	0	0	0	0	0	0	0
2011	8	4		30.54584	8/1/2011	0	0	0	0	0	0	0
2011	9	1		30.12438	9/1/2011	0	0	0	0	0	0	0
2011	9	2		30.42426	9/1/2011	0	0	1	0	1	0	0
2011	9	3.1		30.25851	9/1/2011	0	0	0	0	0	0	1
2011	9	3.15		30.71044	9/1/2011	0	0	0	0	0	0	0

Customer\_Model\_Input

YEAR	MONTH	REVCLS	CUST	DAYS	time	res1	res2	com1	com3	com4	ind1	ind2
2011	9	3.2		30.25851	9/1/2011	0	0	0	0	0	0	0
2011	9	3.25		30.71044	9/1/2011	0	0	0	0	0	0	0
2011	9	4		30.13359	9/1/2011	0	0	0	0	0	0	0
2011	10	1		29.42955	10/1/2011	0	0	0	0	0	0	0
2011	10	2		29.75238	10/1/2011	0	0	1	0	1	0	0
2011	10	3.1		30.40293	10/1/2011	0	0	0	0	0	1	0
2011	10	3.15		29.46108	10/1/2011	0	0	0	0	0	0	0
2011	10	3.2		30.40293	10/1/2011	0	0	0	0	0	0	0
2011	10	3.25		29.46108	10/1/2011	0	0	0	0	0	0	0
2011	10	4		30.65925	10/1/2011	0	0	0	0	0	0	0
2011	11	1		29.2014	11/1/2011	0	0	0	0	0	0	0
2011	11	2		29.57608	11/1/2011	0	0	1	0	1	0	0
2011	11	3.1		30.10377	11/1/2011	0	0	0	0	0	1	0
2011	11	3.15		29.83027	11/1/2011	0	0	0	0	0	0	0
2011	11	3.2		30.10377	11/1/2011	0	0	0	0	0	0	0
2011	11	3.25		29.83027	11/1/2011	0	0	0	0	0	0	0
2011	11	4		30.0422	11/1/2011	0	0	0	0	0	0	0
2011	12	1		32.04436	12/1/2011	0	0	0	0	0	0	0
2011	12	2		32.23553	12/1/2011	0	0	1	0	1	0	0
2011	12	3.1		31.77028	12/1/2011	0	0	0	0	0	1	0
2011	12	3.15		33.02509	12/1/2011	0	0	0	0	0	0	0
2011	12	3.2		31.77028	12/1/2011	0	0	0	0	0	0	0
2011	12	3.25		33.02509	12/1/2011	0	0	0	0	0	0	0
2011	12	4		31.22644	12/1/2011	0	0	0	0	0	0	0

Customer\_Model\_Input

YEAR	MONTH	REVCLS	ind3	ind4	or1	or2	or3	or4	or5	or6	
1998	1	1	0	0	0	0	0	0	0	0	0
1998	1	2	0	0	0	0	0	0	0	0	0
1998	1	3.1	0	0	0	0	0	0	0	0	0
1998	1	3.15	0	0	0	0	0	0	0	0	0
1998	1	3.2	0	0	0	0	0	0	0	0	0
1998	1	3.25	0	0	0	0	0	0	0	0	0
1998	1	4	0	0	1	0	0	0	0	0	0
1998	2	1	0	0	0	0	0	0	0	0	0
1998	2	2	0	0	0	0	0	0	0	0	0
1998	2	3.1	0	0	0	0	0	0	0	0	0
1998	2	3.15	0	0	0	0	0	0	0	0	0
1998	2	3.2	0	0	0	0	0	0	0	0	0
1998	2	3.25	0	0	0	0	0	0	0	0	0
1998	2	4	0	0	0	1	0	0	0	0	0
1998	3	1	0	0	0	0	0	0	0	0	0
1998	3	2	0	0	0	0	0	0	0	0	0
1998	3	3.1	0	0	0	0	0	0	0	0	0
1998	3	3.15	0	0	0	0	0	0	0	0	0
1998	3	3.2	0	0	0	0	0	0	0	0	0
1998	3	3.25	0	0	0	0	0	0	0	0	0
1998	3	4	0	0	0	1	0	0	0	0	0
1998	4	1	0	0	0	0	0	0	0	0	0
1998	4	2	0	0	0	0	0	0	0	0	0
1998	4	3.1	0	0	0	0	0	0	0	0	0
1998	4	3.15	0	0	0	0	0	0	0	0	0
1998	4	3.2	0	0	0	0	0	0	0	0	0
1998	4	3.25	0	0	0	0	0	0	0	0	0
1998	4	4	0	0	0	1	0	0	0	0	0
1998	5	1	0	0	0	0	0	0	0	0	0
1998	5	2	0	0	0	0	0	0	0	0	0
1998	5	3.1	0	0	0	0	0	0	0	0	0
1998	5	3.15	0	0	0	0	0	0	0	0	0
1998	5	3.2	0	0	0	0	0	0	0	0	0
1998	5	3.25	0	0	0	0	0	0	0	0	0
1998	5	4	0	0	0	1	0	0	0	0	0
1998	6	1	0	0	0	0	0	0	0	0	0

Customer\_Model\_Input

YEAR	MONTH	REVCLS	ind3	ind4	or1	or2	or3	or4	or5	or6	
1998	6	2	0	0	0	0	0	0	0	0	0
1998	6	3.1	0	0	0	0	0	0	0	0	0
1998	6	3.15	0	0	0	0	0	0	0	0	0
1998	6	3.2	0	0	0	0	0	0	0	0	0
1998	6	3.25	0	0	0	0	0	0	0	0	0
1998	6	4	0	0	0	1	0	0	0	0	0
1998	7	1	0	0	0	0	0	0	0	0	0
1998	7	2	0	0	0	0	0	0	0	0	0
1998	7	3.1	0	0	0	0	0	0	0	0	0
1998	7	3.15	0	0	0	0	0	0	0	0	0
1998	7	3.2	0	0	0	0	0	0	0	0	0
1998	7	3.25	0	0	0	0	0	0	0	0	0
1998	7	4	0	0	0	1	0	0	0	0	0
1998	8	1	0	0	0	0	0	0	0	0	0
1998	8	2	0	0	0	0	0	0	0	0	0
1998	8	3.1	0	0	0	0	0	0	0	0	0
1998	8	3.15	0	0	0	0	0	0	0	0	0
1998	8	3.2	0	0	0	0	0	0	0	0	0
1998	8	3.25	0	0	0	0	0	0	0	0	0
1998	8	4	0	0	0	1	0	0	0	0	0
1998	9	1	0	0	0	0	0	0	0	0	0
1998	9	2	0	0	0	0	0	0	0	0	0
1998	9	3.1	0	0	0	0	0	0	0	0	0
1998	9	3.15	0	0	0	0	0	0	0	0	0
1998	9	3.2	0	0	0	0	0	0	0	0	0
1998	9	3.25	0	0	0	0	0	0	0	0	0
1998	9	4	0	0	0	1	0	0	0	0	0
1998	10	1	0	0	0	0	0	0	0	0	0
1998	10	2	0	0	0	0	0	0	0	0	0
1998	10	3.1	0	0	0	0	0	0	0	0	0
1998	10	3.15	0	0	0	0	0	0	0	0	0
1998	10	3.2	0	0	0	0	0	0	0	0	0
1998	10	3.25	0	0	0	0	0	0	0	0	0
1998	10	4	0	0	0	0	1	0	0	0	0
1998	11	1	0	0	0	0	0	0	0	0	0
1998	11	2	0	0	0	0	0	0	0	0	0

Customer\_Model\_Input

YEAR	MONTH	REVCLS	ind3	ind4	or1	or2	or3	or4	or5	or6	
1998	11	3.1	0	0	0	0	0	0	0	0	0
1998	11	3.15	0	0	0	0	0	0	0	0	0
1998	11	3.2	0	0	0	0	0	0	0	0	0
1998	11	3.25	0	0	0	0	0	0	0	0	0
1998	11	4	0	0	0	0	0	1	0	0	0
1998	12	1	0	0	0	0	0	0	0	0	0
1998	12	2	0	0	0	0	0	0	0	0	0
1998	12	3.1	0	0	0	0	0	0	0	0	0
1998	12	3.15	0	0	0	0	0	0	0	0	0
1998	12	3.2	0	0	0	0	0	0	0	0	0
1998	12	3.25	0	0	0	0	0	0	0	0	0
1998	12	4	0	0	0	0	0	1	0	0	0
1999	1	1	0	0	0	0	0	0	0	0	0
1999	1	2	0	0	0	0	0	0	0	0	0
1999	1	3.1	0	0	0	0	0	0	0	0	0
1999	1	3.15	0	0	0	0	0	0	0	0	0
1999	1	3.2	0	0	0	0	0	0	0	0	0
1999	1	3.25	0	0	0	0	0	0	0	0	0
1999	1	4	0	0	0	0	0	1	0	0	0
1999	2	1	0	0	0	0	0	0	0	0	0
1999	2	2	0	0	0	0	0	0	0	0	0
1999	2	3.1	0	0	0	0	0	0	0	0	0
1999	2	3.15	0	0	0	0	0	0	0	0	0
1999	2	3.2	0	0	0	0	0	0	0	0	0
1999	2	3.25	0	0	0	0	0	0	0	0	0
1999	2	4	0	0	0	0	0	1	0	0	0
1999	3	1	0	0	0	0	0	0	0	0	0
1999	3	2	0	0	0	0	0	0	0	0	0
1999	3	3.1	0	0	0	0	0	0	0	0	0
1999	3	3.15	0	0	0	0	0	0	0	0	0
1999	3	3.2	0	0	0	0	0	0	0	0	0
1999	3	3.25	0	0	0	0	0	0	0	0	0
1999	3	4	0	0	0	0	0	1	0	0	0
1999	4	1	0	0	0	0	0	0	0	0	0
1999	4	2	0	0	0	0	0	0	0	0	0
1999	4	3.1	0	0	0	0	0	0	0	0	0

Customer\_Model\_Input

YEAR	MONTH	REVCLS	ind3	ind4	or1	or2	or3	or4	or5	or6	
1999	4	3.15	0	0	0	0	0	0	0	0	0
1999	4	3.2	0	0	0	0	0	0	0	0	0
1999	4	3.25	0	0	0	0	0	0	0	0	0
1999	4	4	0	0	0	0	0	1	0	0	0
1999	5	1	0	0	0	0	0	0	0	0	0
1999	5	2	0	0	0	0	0	0	0	0	0
1999	5	3.1	0	0	0	0	0	0	0	0	0
1999	5	3.15	0	0	0	0	0	0	0	0	0
1999	5	3.2	0	0	0	0	0	0	0	0	0
1999	5	3.25	0	0	0	0	0	0	0	0	0
1999	5	4	0	0	0	0	0	1	0	0	0
1999	6	1	0	0	0	0	0	0	0	0	0
1999	6	2	0	0	0	0	0	0	0	0	0
1999	6	3.1	0	0	0	0	0	0	0	0	0
1999	6	3.15	0	0	0	0	0	0	0	0	0
1999	6	3.2	0	0	0	0	0	0	0	0	0
1999	6	3.25	0	0	0	0	0	0	0	0	0
1999	6	4	0	0	0	0	0	1	0	0	0
1999	7	1	0	0	0	0	0	0	0	0	0
1999	7	2	0	0	0	0	0	0	0	0	0
1999	7	3.1	0	0	0	0	0	0	0	0	0
1999	7	3.15	0	0	0	0	0	0	0	0	0
1999	7	3.2	0	0	0	0	0	0	0	0	0
1999	7	3.25	0	0	0	0	0	0	0	0	0
1999	7	4	0	0	0	0	0	1	0	0	0
1999	8	1	0	0	0	0	0	0	0	0	0
1999	8	2	0	0	0	0	0	0	0	0	0
1999	8	3.1	0	0	0	0	0	0	0	0	0
1999	8	3.15	0	0	0	0	0	0	0	0	0
1999	8	3.2	0	0	0	0	0	0	0	0	0
1999	8	3.25	0	0	0	0	0	0	0	0	0
1999	8	4	0	0	0	0	0	1	0	0	0
1999	9	1	0	0	0	0	0	0	0	0	0
1999	9	2	0	0	0	0	0	0	0	0	0
1999	9	3.1	0	0	0	0	0	0	0	0	0
1999	9	3.15	0	0	0	0	0	0	0	0	0



Customer\_Model\_Input

YEAR	MONTH	REVCLS	ind3	ind4	or1	or2	or3	or4	or5	or6	
1999	9	3.2	0	0	0	0	0	0	0	0	0
1999	9	3.25	0	0	0	0	0	0	0	0	0
1999	9	4	0	0	0	0	0	1	0	0	0
1999	10	1	0	0	0	0	0	0	0	0	0
1999	10	2	0	0	0	0	0	0	0	0	0
1999	10	3.1	0	0	0	0	0	0	0	0	0
1999	10	3.15	0	0	0	0	0	0	0	0	0
1999	10	3.2	0	0	0	0	0	0	0	0	0
1999	10	3.25	0	0	0	0	0	0	0	0	0
1999	10	4	0	0	0	0	0	1	0	0	0
1999	11	1	0	0	0	0	0	0	0	0	0
1999	11	2	0	0	0	0	0	0	0	0	0
1999	11	3.1	0	0	0	0	0	0	0	0	0
1999	11	3.15	0	0	0	0	0	0	0	0	0
1999	11	3.2	0	0	0	0	0	0	0	0	0
1999	11	3.25	0	0	0	0	0	0	0	0	0
1999	11	4	0	0	0	0	0	1	0	0	0
1999	12	1	0	0	0	0	0	0	0	0	0
1999	12	2	0	0	0	0	0	0	0	0	0
1999	12	3.1	0	0	0	0	0	0	0	0	0
1999	12	3.15	0	0	0	0	0	0	0	0	0
1999	12	3.2	0	0	0	0	0	0	0	0	0
1999	12	3.25	0	0	0	0	0	0	0	0	0
1999	12	4	0	0	0	0	0	1	0	0	0
2000	1	1	0	0	0	0	0	0	0	0	0
2000	1	2	0	0	0	0	0	0	0	0	0
2000	1	3.1	0	0	0	0	0	0	0	0	0
2000	1	3.15	0	0	0	0	0	0	0	0	0
2000	1	3.2	0	0	0	0	0	0	0	0	0
2000	1	3.25	0	0	0	0	0	0	0	0	0
2000	1	4	0	0	0	0	0	1	0	0	0
2000	2	1	0	0	0	0	0	0	0	0	0
2000	2	2	0	0	0	0	0	0	0	0	0
2000	2	3.1	0	0	0	0	0	0	0	0	0
2000	2	3.15	0	0	0	0	0	0	0	0	0
2000	2	3.2	0	0	0	0	0	0	0	0	0

Customer\_Model\_Input

YEAR	MONTH	REVCLS	ind3	ind4	or1	or2	or3	or4	or5	or6	
2000	2	3.25	0	0	0	0	0	0	0	0	0
2000	2	4	0	0	0	0	0	1	0	0	0
2000	3	1	0	0	0	0	0	0	0	0	0
2000	3	2	0	0	0	0	0	0	0	0	0
2000	3	3.1	0	0	0	0	0	0	0	0	0
2000	3	3.15	0	0	0	0	0	0	0	0	0
2000	3	3.2	0	0	0	0	0	0	0	0	0
2000	3	3.25	0	0	0	0	0	0	0	0	0
2000	3	4	0	0	0	0	0	1	0	0	0
2000	4	1	0	0	0	0	0	0	0	0	0
2000	4	2	0	0	0	0	0	0	0	0	0
2000	4	3.1	0	0	0	0	0	0	0	0	0
2000	4	3.15	0	0	0	0	0	0	0	0	0
2000	4	3.2	0	0	0	0	0	0	0	0	0
2000	4	3.25	0	0	0	0	0	0	0	0	0
2000	4	4	0	0	0	0	0	1	0	0	0
2000	5	1	0	0	0	0	0	0	0	0	0
2000	5	2	0	0	0	0	0	0	0	0	0
2000	5	3.1	0	0	0	0	0	0	0	0	0
2000	5	3.15	0	0	0	0	0	0	0	0	0
2000	5	3.2	0	0	0	0	0	0	0	0	0
2000	5	3.25	0	0	0	0	0	0	0	0	0
2000	5	4	0	0	0	0	0	1	0	0	0
2000	6	1	0	0	0	0	0	0	0	0	0
2000	6	2	0	0	0	0	0	0	0	0	0
2000	6	3.1	0	0	0	0	0	0	0	0	0
2000	6	3.15	0	0	0	0	0	0	0	0	0
2000	6	3.2	0	0	0	0	0	0	0	0	0
2000	6	3.25	0	0	0	0	0	0	0	0	0
2000	6	4	0	0	0	0	0	1	0	0	0
2000	7	1	0	0	0	0	0	0	0	0	0
2000	7	2	0	0	0	0	0	0	0	0	0
2000	7	3.1	0	0	0	0	0	0	0	0	0
2000	7	3.15	0	0	0	0	0	0	0	0	0
2000	7	3.2	0	0	0	0	0	0	0	0	0
2000	7	3.25	0	0	0	0	0	0	0	0	0

Customer\_Model\_Input

YEAR	MONTH	REVCLS	ind3	ind4	or1	or2	or3	or4	or5	or6	
2000	7	4	0	0	0	0	0	1	0	0	0
2000	8	1	0	0	0	0	0	0	0	0	0
2000	8	2	0	0	0	0	0	0	0	0	0
2000	8	3.1	0	0	0	0	0	0	0	0	0
2000	8	3.15	0	0	0	0	0	0	0	0	0
2000	8	3.2	0	0	0	0	0	0	0	0	0
2000	8	3.25	0	0	0	0	0	0	0	0	0
2000	8	4	0	0	0	0	0	1	0	0	0
2000	9	1	0	0	0	0	0	0	0	0	0
2000	9	2	0	0	0	0	0	0	0	0	0
2000	9	3.1	0	0	0	0	0	0	0	0	0
2000	9	3.15	0	0	0	0	0	0	0	0	0
2000	9	3.2	0	0	0	0	0	0	0	0	0
2000	9	3.25	0	0	0	0	0	0	0	0	0
2000	9	4	0	0	0	0	0	1	0	0	0
2000	10	1	0	0	0	0	0	0	0	0	0
2000	10	2	0	0	0	0	0	0	0	0	0
2000	10	3.1	0	0	0	0	0	0	0	0	0
2000	10	3.15	0	0	0	0	0	0	0	0	0
2000	10	3.2	0	0	0	0	0	0	0	0	0
2000	10	3.25	0	0	0	0	0	0	0	0	0
2000	10	4	0	0	0	0	0	1	0	0	0
2000	11	1	0	0	0	0	0	0	0	0	0
2000	11	2	0	0	0	0	0	0	0	0	0
2000	11	3.1	0	0	0	0	0	0	0	0	0
2000	11	3.15	0	0	0	0	0	0	0	0	0
2000	11	3.2	0	0	0	0	0	0	0	0	0
2000	11	3.25	0	0	0	0	0	0	0	0	0
2000	11	4	0	0	0	0	0	1	0	0	0
2000	12	1	0	0	0	0	0	0	0	0	0
2000	12	2	0	0	0	0	0	0	0	0	0
2000	12	3.1	0	0	0	0	0	0	0	0	0
2000	12	3.15	0	0	0	0	0	0	0	0	0
2000	12	3.2	0	0	0	0	0	0	0	0	0
2000	12	3.25	0	0	0	0	0	0	0	0	0
2000	12	4	0	0	0	0	1	0	0	0	0

Customer\_Model\_Input

YEAR	MONTH	REVCLS	ind3	ind4	or1	or2	or3	or4	or5	or6	
2001	1	1	0	0	0	0	0	0	0	0	0
2001	1	2	0	0	0	0	0	0	0	0	0
2001	1	3.1	0	0	0	0	0	0	0	0	0
2001	1	3.15	0	0	0	0	0	0	0	0	0
2001	1	3.2	0	0	0	0	0	0	0	0	0
2001	1	3.25	0	0	0	0	0	0	0	0	0
2001	1	4	0	0	0	1	0	0	0	0	0
2001	2	1	0	0	0	0	0	0	0	0	0
2001	2	2	0	0	0	0	0	0	0	0	0
2001	2	3.1	0	0	0	0	0	0	0	0	0
2001	2	3.15	0	0	0	0	0	0	0	0	0
2001	2	3.2	0	0	0	0	0	0	0	0	0
2001	2	3.25	0	0	0	0	0	0	0	0	0
2001	2	4	0	0	0	0	0	1	0	0	0
2001	3	1	0	0	0	0	0	0	0	0	0
2001	3	2	0	0	0	0	0	0	0	0	0
2001	3	3.1	0	0	0	0	0	0	0	0	0
2001	3	3.15	0	0	0	0	0	0	0	0	0
2001	3	3.2	0	0	0	0	0	0	0	0	0
2001	3	3.25	0	0	0	0	0	0	0	0	0
2001	3	4	0	0	0	0	0	1	0	0	0
2001	4	1	0	0	0	0	0	0	0	0	0
2001	4	2	0	0	0	0	0	0	0	0	0
2001	4	3.1	0	0	0	0	0	0	0	0	0
2001	4	3.15	0	0	0	0	0	0	0	0	0
2001	4	3.2	0	0	0	0	0	0	0	0	0
2001	4	3.25	0	0	0	0	0	0	0	0	0
2001	4	4	0	0	0	0	0	1	0	0	0
2001	5	1	0	0	0	0	0	0	0	0	0
2001	5	2	0	0	0	0	0	0	0	0	0
2001	5	3.1	0	0	0	0	0	0	0	0	0
2001	5	3.15	0	0	0	0	0	0	0	0	0
2001	5	3.2	0	0	0	0	0	0	0	0	0
2001	5	3.25	0	0	0	0	0	0	0	0	0
2001	5	4	0	0	0	0	0	1	0	0	0
2001	6	1	0	0	0	0	0	0	0	0	0

Customer\_Model\_Input

YEAR	MONTH	REVCLS	ind3	ind4	or1	or2	or3	or4	or5	or6	
2001	6	2	0	0	0	0	0	0	0	0	0
2001	6	3.1	0	0	0	0	0	0	0	0	0
2001	6	3.15	0	0	0	0	0	0	0	0	0
2001	6	3.2	0	0	0	0	0	0	0	0	0
2001	6	3.25	0	0	0	0	0	0	0	0	0
2001	6	4	0	0	0	0	0	0	1	0	0
2001	7	1	0	0	0	0	0	0	0	0	0
2001	7	2	0	0	0	0	0	0	0	0	0
2001	7	3.1	0	0	0	0	0	0	0	0	0
2001	7	3.15	0	0	0	0	0	0	0	0	0
2001	7	3.2	0	0	0	0	0	0	0	0	0
2001	7	3.25	0	0	0	0	0	0	0	0	0
2001	7	4	0	0	0	0	0	0	1	0	0
2001	8	1	0	0	0	0	0	0	0	0	0
2001	8	2	0	0	0	0	0	0	0	0	0
2001	8	3.1	0	0	0	0	0	0	0	0	0
2001	8	3.15	0	0	0	0	0	0	0	0	0
2001	8	3.2	0	0	0	0	0	0	0	0	0
2001	8	3.25	0	0	0	0	0	0	0	0	0
2001	8	4	0	0	0	0	0	0	1	0	0
2001	9	1	0	0	0	0	0	0	0	0	0
2001	9	2	0	0	0	0	0	0	0	0	0
2001	9	3.1	0	0	0	0	0	0	0	0	0
2001	9	3.15	0	0	0	0	0	0	0	0	0
2001	9	3.2	0	0	0	0	0	0	0	0	0
2001	9	3.25	0	0	0	0	0	0	0	0	0
2001	9	4	0	0	0	0	0	0	1	0	0
2001	10	1	0	0	0	0	0	0	0	0	0
2001	10	2	0	0	0	0	0	0	0	0	0
2001	10	3.1	0	0	0	0	0	0	0	0	0
2001	10	3.15	0	0	0	0	0	0	0	0	0
2001	10	3.2	0	0	0	0	0	0	0	0	0
2001	10	3.25	0	0	0	0	0	0	0	0	0
2001	10	4	0	0	0	0	0	0	1	0	0
2001	11	1	0	0	0	0	0	0	0	0	0
2001	11	2	0	0	0	0	0	0	0	0	0

Customer\_Model\_Input

YEAR	MONTH	REVCLS	ind3	ind4	or1	or2	or3	or4	or5	or6	
2001	11	3.1	0	0	0	0	0	0	0	0	0
2001	11	3.15	0	0	0	0	0	0	0	0	0
2001	11	3.2	0	0	0	0	0	0	0	0	0
2001	11	3.25	0	0	0	0	0	0	0	0	0
2001	11	4	0	0	0	0	0	0	1	0	0
2001	12	1	0	0	0	0	0	0	0	0	0
2001	12	2	0	0	0	0	0	0	0	0	0
2001	12	3.1	0	0	0	0	0	0	0	0	0
2001	12	3.15	0	0	0	0	0	0	0	0	0
2001	12	3.2	0	0	0	0	0	0	0	0	0
2001	12	3.25	0	0	0	0	0	0	0	0	0
2001	12	4	0	0	0	0	0	0	1	0	0
2002	1	1	0	0	0	0	0	0	0	0	0
2002	1	2	0	0	0	0	0	0	0	0	0
2002	1	3.1	0	0	0	0	0	0	0	0	0
2002	1	3.15	0	0	0	0	0	0	0	0	0
2002	1	3.2	0	0	0	0	0	0	0	0	0
2002	1	3.25	0	0	0	0	0	0	0	0	0
2002	1	4	0	0	0	0	0	0	1	0	0
2002	2	1	0	0	0	0	0	0	0	0	0
2002	2	2	0	0	0	0	0	0	0	0	0
2002	2	3.1	0	0	0	0	0	0	0	0	0
2002	2	3.15	0	0	0	0	0	0	0	0	0
2002	2	3.2	0	0	0	0	0	0	0	0	0
2002	2	3.25	0	0	0	0	0	0	0	0	0
2002	2	4	0	0	0	0	0	0	1	0	0
2002	3	1	0	0	0	0	0	0	0	0	0
2002	3	2	0	0	0	0	0	0	0	0	0
2002	3	3.1	0	0	0	0	0	0	0	0	0
2002	3	3.15	0	0	0	0	0	0	0	0	0
2002	3	3.2	0	0	0	0	0	0	0	0	0
2002	3	3.25	0	0	0	0	0	0	0	0	0
2002	3	4	0	0	0	0	0	0	1	0	0
2002	4	1	0	0	0	0	0	0	0	0	0
2002	4	2	0	0	0	0	0	0	0	0	0
2002	4	3.1	0	0	0	0	0	0	0	0	0

Customer\_Model\_Input

YEAR	MONTH	REVCLS	ind3	ind4	or1	or2	or3	or4	or5	or6	
2002	4	3.15	0	0	0	0	0	0	0	0	0
2002	4	3.2	0	0	0	0	0	0	0	0	0
2002	4	3.25	0	0	0	0	0	0	0	0	0
2002	4	4	0	0	0	0	0	0	1	0	0
2002	5	1	0	0	0	0	0	0	0	0	0
2002	5	2	0	0	0	0	0	0	0	0	0
2002	5	3.1	1	0	0	0	0	0	0	0	0
2002	5	3.15	0	0	0	0	0	0	0	0	0
2002	5	3.2	0	0	0	0	0	0	0	0	0
2002	5	3.25	0	0	0	0	0	0	0	0	0
2002	5	4	0	0	0	0	0	0	1	0	0
2002	6	1	0	0	0	0	0	0	0	0	0
2002	6	2	0	0	0	0	0	0	0	0	0
2002	6	3.1	0	0	0	0	0	0	0	0	0
2002	6	3.15	0	0	0	0	0	0	0	0	0
2002	6	3.2	0	0	0	0	0	0	0	0	0
2002	6	3.25	0	0	0	0	0	0	0	0	0
2002	6	4	0	0	0	0	0	0	1	0	0
2002	7	1	0	0	0	0	0	0	0	0	0
2002	7	2	0	0	0	0	0	0	0	0	0
2002	7	3.1	0	0	0	0	0	0	0	0	0
2002	7	3.15	0	0	0	0	0	0	0	0	0
2002	7	3.2	0	0	0	0	0	0	0	0	0
2002	7	3.25	0	0	0	0	0	0	0	0	0
2002	7	4	0	0	0	0	0	0	1	0	0
2002	8	1	0	0	0	0	0	0	0	0	0
2002	8	2	0	0	0	0	0	0	0	0	0
2002	8	3.1	0	0	0	0	0	0	0	0	0
2002	8	3.15	0	0	0	0	0	0	0	0	0
2002	8	3.2	0	0	0	0	0	0	0	0	0
2002	8	3.25	0	0	0	0	0	0	0	0	0
2002	8	4	0	0	0	0	0	0	1	0	0
2002	9	1	0	0	0	0	0	0	0	0	0
2002	9	2	0	0	0	0	0	0	0	0	0
2002	9	3.1	0	1	0	0	0	0	0	0	0
2002	9	3.15	0	0	0	0	0	0	0	0	0

Customer\_Model\_Input

YEAR	MONTH	REVCLS	ind3	ind4	or1	or2	or3	or4	or5	or6	
2002	9	3.2	0	0	0	0	0	0	0	0	0
2002	9	3.25	0	0	0	0	0	0	0	0	0
2002	9	4	0	0	0	0	0	0	1	1	0
2002	10	1	0	0	0	0	0	0	0	0	0
2002	10	2	0	0	0	0	0	0	0	0	0
2002	10	3.1	0	1	0	0	0	0	0	0	0
2002	10	3.15	0	0	0	0	0	0	0	0	0
2002	10	3.2	0	0	0	0	0	0	0	0	0
2002	10	3.25	0	0	0	0	0	0	0	0	0
2002	10	4	0	0	0	0	0	0	1	0	0
2002	11	1	0	0	0	0	0	0	0	0	0
2002	11	2	0	0	0	0	0	0	0	0	0
2002	11	3.1	0	1	0	0	0	0	0	0	0
2002	11	3.15	0	0	0	0	0	0	0	0	0
2002	11	3.2	0	0	0	0	0	0	0	0	0
2002	11	3.25	0	0	0	0	0	0	0	0	0
2002	11	4	0	0	0	0	0	0	1	0	0
2002	12	1	0	0	0	0	0	0	0	0	0
2002	12	2	0	0	0	0	0	0	0	0	0
2002	12	3.1	0	1	0	0	0	0	0	0	0
2002	12	3.15	0	0	0	0	0	0	0	0	0
2002	12	3.2	0	0	0	0	0	0	0	0	0
2002	12	3.25	0	0	0	0	0	0	0	0	0
2002	12	4	0	0	0	0	0	0	1	0	0
2003	1	1	0	0	0	0	0	0	0	0	0
2003	1	2	0	0	0	0	0	0	0	0	0
2003	1	3.1	0	1	0	0	0	0	0	0	0
2003	1	3.15	0	0	0	0	0	0	0	0	0
2003	1	3.2	0	0	0	0	0	0	0	0	0
2003	1	3.25	0	0	0	0	0	0	0	0	0
2003	1	4	0	0	0	0	0	0	1	0	0
2003	2	1	0	0	0	0	0	0	0	0	0
2003	2	2	0	0	0	0	0	0	0	0	0
2003	2	3.1	0	1	0	0	0	0	0	0	0
2003	2	3.15	0	0	0	0	0	0	0	0	0
2003	2	3.2	0	0	0	0	0	0	0	0	0



Customer\_Model\_Input

YEAR	MONTH	REVCLS	ind3	ind4	or1	or2	or3	or4	or5	or6	
2003	2	3.25	0	0	0	0	0	0	0	0	0
2003	2	4	0	0	0	0	0	0	1	0	0
2003	3	1	0	0	0	0	0	0	0	0	0
2003	3	2	0	0	0	0	0	0	0	0	0
2003	3	3.1	0	1	0	0	0	0	0	0	0
2003	3	3.15	0	0	0	0	0	0	0	0	0
2003	3	3.2	0	0	0	0	0	0	0	0	0
2003	3	3.25	0	0	0	0	0	0	0	0	0
2003	3	4	0	0	0	0	0	0	1	0	0
2003	4	1	0	0	0	0	0	0	0	0	0
2003	4	2	0	0	0	0	0	0	0	0	0
2003	4	3.1	0	1	0	0	0	0	0	0	0
2003	4	3.15	0	0	0	0	0	0	0	0	0
2003	4	3.2	0	0	0	0	0	0	0	0	0
2003	4	3.25	0	0	0	0	0	0	0	0	0
2003	4	4	0	0	0	0	0	0	1	0	0
2003	5	1	0	0	0	0	0	0	0	0	0
2003	5	2	0	0	0	0	0	0	0	0	0
2003	5	3.1	0	1	0	0	0	0	0	0	0
2003	5	3.15	0	0	0	0	0	0	0	0	0
2003	5	3.2	0	0	0	0	0	0	0	0	0
2003	5	3.25	0	0	0	0	0	0	0	0	0
2003	5	4	0	0	0	0	0	0	1	0	0
2003	6	1	0	0	0	0	0	0	0	0	0
2003	6	2	0	0	0	0	0	0	0	0	0
2003	6	3.1	0	1	0	0	0	0	0	0	0
2003	6	3.15	0	0	0	0	0	0	0	0	0
2003	6	3.2	0	0	0	0	0	0	0	0	0
2003	6	3.25	0	0	0	0	0	0	0	0	0
2003	6	4	0	0	0	0	0	0	1	0	0
2003	7	1	0	0	0	0	0	0	0	0	0
2003	7	2	0	0	0	0	0	0	0	0	0
2003	7	3.1	0	1	0	0	0	0	0	0	0
2003	7	3.15	0	0	0	0	0	0	0	0	0
2003	7	3.2	0	0	0	0	0	0	0	0	0
2003	7	3.25	0	0	0	0	0	0	0	0	0

Customer\_Model\_Input

YEAR	MONTH	REVCLS	ind3	ind4	or1	or2	or3	or4	or5	or6	
2003	7	4	0	0	0	0	0	0	1	0	0
2003	8	1	0	0	0	0	0	0	0	0	0
2003	8	2	0	0	0	0	0	0	0	0	0
2003	8	3.1	0	1	0	0	0	0	0	0	0
2003	8	3.15	0	0	0	0	0	0	0	0	0
2003	8	3.2	0	0	0	0	0	0	0	0	0
2003	8	3.25	0	0	0	0	0	0	0	0	0
2003	8	4	0	0	0	0	0	0	1	0	0
2003	9	1	0	0	0	0	0	0	0	0	0
2003	9	2	0	0	0	0	0	0	0	0	0
2003	9	3.1	0	1	0	0	0	0	0	0	0
2003	9	3.15	0	0	0	0	0	0	0	0	0
2003	9	3.2	0	0	0	0	0	0	0	0	0
2003	9	3.25	0	0	0	0	0	0	0	0	0
2003	9	4	0	0	0	0	0	0	1	0	0
2003	10	1	0	0	0	0	0	0	0	0	0
2003	10	2	0	0	0	0	0	0	0	0	0
2003	10	3.1	0	1	0	0	0	0	0	0	0
2003	10	3.15	0	0	0	0	0	0	0	0	0
2003	10	3.2	0	0	0	0	0	0	0	0	0
2003	10	3.25	0	0	0	0	0	0	0	0	0
2003	10	4	0	0	0	0	0	0	1	0	0
2003	11	1	0	0	0	0	0	0	0	0	0
2003	11	2	0	0	0	0	0	0	0	0	0
2003	11	3.1	0	1	0	0	0	0	0	0	0
2003	11	3.15	0	0	0	0	0	0	0	0	0
2003	11	3.2	0	0	0	0	0	0	0	0	0
2003	11	3.25	0	0	0	0	0	0	0	0	0
2003	11	4	0	0	0	0	0	0	1	0	0
2003	12	1	0	0	0	0	0	0	0	0	0
2003	12	2	0	0	0	0	0	0	0	0	0
2003	12	3.1	0	1	0	0	0	0	0	0	0
2003	12	3.15	0	0	0	0	0	0	0	0	0
2003	12	3.2	0	0	0	0	0	0	0	0	0
2003	12	3.25	0	0	0	0	0	0	0	0	0
2003	12	4	0	0	0	0	0	0	1	0	0

Customer\_Model\_Input

YEAR	MONTH	REVCLS	ind3	ind4	or1	or2	or3	or4	or5	or6	
2004	1	1	0	0	0	0	0	0	0	0	0
2004	1	2	0	0	0	0	0	0	0	0	0
2004	1	3.1	0	1	0	0	0	0	0	0	0
2004	1	3.15	0	0	0	0	0	0	0	0	0
2004	1	3.2	0	0	0	0	0	0	0	0	0
2004	1	3.25	0	0	0	0	0	0	0	0	0
2004	1	4	0	0	0	0	0	0	1	0	0
2004	2	1	0	0	0	0	0	0	0	0	0
2004	2	2	0	0	0	0	0	0	0	0	0
2004	2	3.1	0	1	0	0	0	0	0	0	0
2004	2	3.15	0	0	0	0	0	0	0	0	0
2004	2	3.2	0	0	0	0	0	0	0	0	0
2004	2	3.25	0	0	0	0	0	0	0	0	0
2004	2	4	0	0	0	0	0	0	1	0	0
2004	3	1	0	0	0	0	0	0	0	0	0
2004	3	2	0	0	0	0	0	0	0	0	0
2004	3	3.1	0	1	0	0	0	0	0	0	0
2004	3	3.15	0	0	0	0	0	0	0	0	0
2004	3	3.2	0	0	0	0	0	0	0	0	0
2004	3	3.25	0	0	0	0	0	0	0	0	0
2004	3	4	0	0	0	0	0	0	1	0	0
2004	4	1	0	0	0	0	0	0	0	0	0
2004	4	2	0	0	0	0	0	0	0	0	0
2004	4	3.1	0	1	0	0	0	0	0	0	0
2004	4	3.15	0	0	0	0	0	0	0	0	0
2004	4	3.2	0	0	0	0	0	0	0	0	0
2004	4	3.25	0	0	0	0	0	0	0	0	0
2004	4	4	0	0	0	0	0	0	1	0	0
2004	5	1	0	0	0	0	0	0	0	0	0
2004	5	2	0	0	0	0	0	0	0	0	0
2004	5	3.1	0	1	0	0	0	0	0	0	0
2004	5	3.15	0	0	0	0	0	0	0	0	0
2004	5	3.2	0	0	0	0	0	0	0	0	0
2004	5	3.25	0	0	0	0	0	0	0	0	0
2004	5	4	0	0	0	0	0	0	1	0	0
2004	6	1	0	0	0	0	0	0	0	0	0

Customer\_Model\_Input

YEAR	MONTH	REVCLS	ind3	ind4	or1	or2	or3	or4	or5	or6	
2004	6	2	0	0	0	0	0	0	0	0	0
2004	6	3.1	0	1	0	0	0	0	0	0	0
2004	6	3.15	0	0	0	0	0	0	0	0	0
2004	6	3.2	0	0	0	0	0	0	0	0	0
2004	6	3.25	0	0	0	0	0	0	0	0	0
2004	6	4	0	0	0	0	0	0	1	0	0
2004	7	1	0	0	0	0	0	0	0	0	0
2004	7	2	0	0	0	0	0	0	0	0	0
2004	7	3.1	0	1	0	0	0	0	0	0	0
2004	7	3.15	0	0	0	0	0	0	0	0	0
2004	7	3.2	0	0	0	0	0	0	0	0	0
2004	7	3.25	0	0	0	0	0	0	0	0	0
2004	7	4	0	0	0	0	0	0	1	0	0
2004	8	1	0	0	0	0	0	0	0	0	0
2004	8	2	0	0	0	0	0	0	0	0	0
2004	8	3.1	0	1	0	0	0	0	0	0	0
2004	8	3.15	0	0	0	0	0	0	0	0	0
2004	8	3.2	0	0	0	0	0	0	0	0	0
2004	8	3.25	0	0	0	0	0	0	0	0	0
2004	8	4	0	0	0	0	0	0	1	0	0
2004	9	1	0	0	0	0	0	0	0	0	0
2004	9	2	0	0	0	0	0	0	0	0	0
2004	9	3.1	0	1	0	0	0	0	0	0	0
2004	9	3.15	0	0	0	0	0	0	0	0	0
2004	9	3.2	0	0	0	0	0	0	0	0	0
2004	9	3.25	0	0	0	0	0	0	0	0	0
2004	9	4	0	0	0	0	0	0	1	0	0
2004	10	1	0	0	0	0	0	0	0	0	0
2004	10	2	0	0	0	0	0	0	0	0	0
2004	10	3.1	0	1	0	0	0	0	0	0	0
2004	10	3.15	0	0	0	0	0	0	0	0	0
2004	10	3.2	0	0	0	0	0	0	0	0	0
2004	10	3.25	0	0	0	0	0	0	0	0	0
2004	10	4	0	0	0	0	0	0	1	0	0
2004	11	1	0	0	0	0	0	0	0	0	0
2004	11	2	0	0	0	0	0	0	0	0	0

Customer\_Model\_Input

YEAR	MONTH	REVCLS	ind3	ind4	or1	or2	or3	or4	or5	or6	
2004	11	3.1	0	0	1	0	0	0	0	0	0
2004	11	3.15	0	0	0	0	0	0	0	0	0
2004	11	3.2	0	0	0	0	0	0	0	0	0
2004	11	3.25	0	0	0	0	0	0	0	0	0
2004	11	4	0	0	0	0	0	0	1	0	0
2004	12	1	0	0	0	0	0	0	0	0	0
2004	12	2	0	0	0	0	0	0	0	0	0
2004	12	3.1	0	0	1	0	0	0	0	0	0
2004	12	3.15	0	0	0	0	0	0	0	0	0
2004	12	3.2	0	0	0	0	0	0	0	0	0
2004	12	3.25	0	0	0	0	0	0	0	0	0
2004	12	4	0	0	0	0	0	0	1	0	0
2005	1	1	0	0	0	0	0	0	0	0	0
2005	1	2	0	0	0	0	0	0	0	0	0
2005	1	3.1	0	0	1	0	0	0	0	0	0
2005	1	3.15	0	0	0	0	0	0	0	0	0
2005	1	3.2	0	0	0	0	0	0	0	0	0
2005	1	3.25	0	0	0	0	0	0	0	0	0
2005	1	4	0	0	0	0	0	0	1	0	0
2005	2	1	0	0	0	0	0	0	0	0	0
2005	2	2	0	0	0	0	0	0	0	0	0
2005	2	3.1	0	0	1	0	0	0	0	0	0
2005	2	3.15	0	0	0	0	0	0	0	0	0
2005	2	3.2	0	0	0	0	0	0	0	0	0
2005	2	3.25	0	0	0	0	0	0	0	0	0
2005	2	4	0	0	0	0	0	0	1	0	0
2005	3	1	0	0	0	0	0	0	0	0	0
2005	3	2	0	0	0	0	0	0	0	0	0
2005	3	3.1	0	0	1	0	0	0	0	0	0
2005	3	3.15	0	0	0	0	0	0	0	0	0
2005	3	3.2	0	0	0	0	0	0	0	0	0
2005	3	3.25	0	0	0	0	0	0	0	0	0
2005	3	4	0	0	0	0	0	0	1	0	0
2005	4	1	0	0	0	0	0	0	0	0	0
2005	4	2	0	0	0	0	0	0	0	0	0
2005	4	3.1	0	0	1	0	0	0	0	0	0

Customer\_Model\_Input

YEAR	MONTH	REVCLS	ind3	ind4	or1	or2	or3	or4	or5	or6	
2005	4	3.15	0	0	0	0	0	0	0	0	0
2005	4	3.2	0	0	0	0	0	0	0	0	0
2005	4	3.25	0	0	0	0	0	0	0	0	0
2005	4	4	0	0	0	0	0	0	1	0	0
2005	5	1	0	0	0	0	0	0	0	0	0
2005	5	2	0	0	0	0	0	0	0	0	0
2005	5	3.1	0	1	0	0	0	0	0	0	0
2005	5	3.15	0	0	0	0	0	0	0	0	0
2005	5	3.2	0	0	0	0	0	0	0	0	0
2005	5	3.25	0	0	0	0	0	0	0	0	0
2005	5	4	0	0	0	0	0	0	1	0	0
2005	6	1	0	0	0	0	0	0	0	0	0
2005	6	2	0	0	0	0	0	0	0	0	0
2005	6	3.1	0	1	0	0	0	0	0	0	0
2005	6	3.15	0	0	0	0	0	0	0	0	0
2005	6	3.2	0	0	0	0	0	0	0	0	0
2005	6	3.25	0	0	0	0	0	0	0	0	0
2005	6	4	0	0	0	0	0	0	1	0	0
2005	7	1	0	0	0	0	0	0	0	0	0
2005	7	2	0	0	0	0	0	0	0	0	0
2005	7	3.1	0	1	0	0	0	0	0	0	0
2005	7	3.15	0	0	0	0	0	0	0	0	0
2005	7	3.2	0	0	0	0	0	0	0	0	0
2005	7	3.25	0	0	0	0	0	0	0	0	0
2005	7	4	0	0	0	0	0	0	1	0	0
2005	8	1	0	0	0	0	0	0	0	0	0
2005	8	2	0	0	0	0	0	0	0	0	0
2005	8	3.1	0	1	0	0	0	0	0	0	0
2005	8	3.15	0	0	0	0	0	0	0	0	0
2005	8	3.2	0	0	0	0	0	0	0	0	0
2005	8	3.25	0	0	0	0	0	0	0	0	0
2005	8	4	0	0	0	0	0	0	0	0	1
2005	9	1	0	0	0	0	0	0	0	0	0
2005	9	2	0	0	0	0	0	0	0	0	0
2005	9	3.1	0	1	0	0	0	0	0	0	0
2005	9	3.15	0	0	0	0	0	0	0	0	0

Customer\_Model\_Input

YEAR	MONTH	REVCLS	ind3	ind4	or1	or2	or3	or4	or5	or6	
2005	9	3.2	0	0	0	0	0	0	0	0	0
2005	9	3.25	0	0	0	0	0	0	0	0	0
2005	9	4	0	0	0	0	0	0	0	0	1
2005	10	1	0	0	0	0	0	0	0	0	0
2005	10	2	0	0	0	0	0	0	0	0	0
2005	10	3.1	0	1	0	0	0	0	0	0	0
2005	10	3.15	0	0	0	0	0	0	0	0	0
2005	10	3.2	0	0	0	0	0	0	0	0	0
2005	10	3.25	0	0	0	0	0	0	0	0	0
2005	10	4	0	0	0	0	0	0	0	0	1
2005	11	1	0	0	0	0	0	0	0	0	0
2005	11	2	0	0	0	0	0	0	0	0	0
2005	11	3.1	0	1	0	0	0	0	0	0	0
2005	11	3.15	0	0	0	0	0	0	0	0	0
2005	11	3.2	0	0	0	0	0	0	0	0	0
2005	11	3.25	0	0	0	0	0	0	0	0	0
2005	11	4	0	0	0	0	0	0	0	0	1
2005	12	1	0	0	0	0	0	0	0	0	0
2005	12	2	0	0	0	0	0	0	0	0	0
2005	12	3.1	0	1	0	0	0	0	0	0	0
2005	12	3.15	0	0	0	0	0	0	0	0	0
2005	12	3.2	0	0	0	0	0	0	0	0	0
2005	12	3.25	0	0	0	0	0	0	0	0	0
2005	12	4	0	0	0	0	0	0	0	0	1
2006	1	1	0	0	0	0	0	0	0	0	0
2006	1	2	0	0	0	0	0	0	0	0	0
2006	1	3.1	0	1	0	0	0	0	0	0	0
2006	1	3.15	0	0	0	0	0	0	0	0	0
2006	1	3.2	0	0	0	0	0	0	0	0	0
2006	1	3.25	0	0	0	0	0	0	0	0	0
2006	1	4	0	0	0	0	0	0	0	0	1
2006	2	1	0	0	0	0	0	0	0	0	0
2006	2	2	0	0	0	0	0	0	0	0	0
2006	2	3.1	0	1	0	0	0	0	0	0	0
2006	2	3.15	0	0	0	0	0	0	0	0	0
2006	2	3.2	0	0	0	0	0	0	0	0	0

Customer\_Model\_Input

YEAR	MONTH	REVCLS	ind3	ind4	or1	or2	or3	or4	or5	or6
2006	2	3.25	0	0	0	0	0	0	0	0
2006	2	4	0	0	0	0	0	0	0	1
2006	3	1	0	0	0	0	0	0	0	0
2006	3	2	0	0	0	0	0	0	0	0
2006	3	3.1	0	1	0	0	0	0	0	0
2006	3	3.15	0	0	0	0	0	0	0	0
2006	3	3.2	0	0	0	0	0	0	0	0
2006	3	3.25	0	0	0	0	0	0	0	0
2006	3	4	0	0	0	0	0	0	0	1
2006	4	1	0	0	0	0	0	0	0	0
2006	4	2	0	0	0	0	0	0	0	0
2006	4	3.1	0	1	0	0	0	0	0	0
2006	4	3.15	0	0	0	0	0	0	0	0
2006	4	3.2	0	0	0	0	0	0	0	0
2006	4	3.25	0	0	0	0	0	0	0	0
2006	4	4	0	0	0	0	0	0	0	1
2006	5	1	0	0	0	0	0	0	0	0
2006	5	2	0	0	0	0	0	0	0	0
2006	5	3.1	0	1	0	0	0	0	0	0
2006	5	3.15	0	0	0	0	0	0	0	0
2006	5	3.2	0	0	0	0	0	0	0	0
2006	5	3.25	0	0	0	0	0	0	0	0
2006	5	4	0	0	0	0	0	0	0	1
2006	6	1	0	0	0	0	0	0	0	0
2006	6	2	0	0	0	0	0	0	0	0
2006	6	3.1	0	1	0	0	0	0	0	0
2006	6	3.15	0	0	0	0	0	0	0	0
2006	6	3.2	0	0	0	0	0	0	0	0
2006	6	3.25	0	0	0	0	0	0	0	0
2006	6	4	0	0	0	0	0	0	0	1
2006	7	1	0	0	0	0	0	0	0	0
2006	7	2	0	0	0	0	0	0	0	0
2006	7	3.1	0	1	0	0	0	0	0	0
2006	7	3.15	0	0	0	0	0	0	0	0
2006	7	3.2	0	0	0	0	0	0	0	0
2006	7	3.25	0	0	0	0	0	0	0	0



Customer\_Model\_Input

YEAR	MONTH	REVCLS	ind3	ind4	or1	or2	or3	or4	or5	or6	
2006	7	4	0	0	0	0	0	0	0	0	1
2006	8	1	0	0	0	0	0	0	0	0	0
2006	8	2	0	0	0	0	0	0	0	0	0
2006	8	3.1	0	1	0	0	0	0	0	0	0
2006	8	3.15	0	0	0	0	0	0	0	0	0
2006	8	3.2	0	0	0	0	0	0	0	0	0
2006	8	3.25	0	0	0	0	0	0	0	0	0
2006	8	4	0	0	0	0	0	0	0	0	1
2006	9	1	0	0	0	0	0	0	0	0	0
2006	9	2	0	0	0	0	0	0	0	0	0
2006	9	3.1	0	1	0	0	0	0	0	0	0
2006	9	3.15	0	0	0	0	0	0	0	0	0
2006	9	3.2	0	0	0	0	0	0	0	0	0
2006	9	3.25	0	0	0	0	0	0	0	0	0
2006	9	4	0	0	0	0	0	0	0	0	1
2006	10	1	0	0	0	0	0	0	0	0	0
2006	10	2	0	0	0	0	0	0	0	0	0
2006	10	3.1	0	1	0	0	0	0	0	0	0
2006	10	3.15	0	0	0	0	0	0	0	0	0
2006	10	3.2	0	0	0	0	0	0	0	0	0
2006	10	3.25	0	0	0	0	0	0	0	0	0
2006	10	4	0	0	0	0	0	0	0	0	1
2006	11	1	0	0	0	0	0	0	0	0	0
2006	11	2	0	0	0	0	0	0	0	0	0
2006	11	3.1	0	1	0	0	0	0	0	0	0
2006	11	3.15	0	0	0	0	0	0	0	0	0
2006	11	3.2	0	0	0	0	0	0	0	0	0
2006	11	3.25	0	0	0	0	0	0	0	0	0
2006	11	4	0	0	0	0	0	0	0	0	1
2006	12	1	0	0	0	0	0	0	0	0	0
2006	12	2	0	0	0	0	0	0	0	0	0
2006	12	3.1	0	1	0	0	0	0	0	0	0
2006	12	3.15	0	0	0	0	0	0	0	0	0
2006	12	3.2	0	0	0	0	0	0	0	0	0
2006	12	3.25	0	0	0	0	0	0	0	0	0
2006	12	4	0	0	0	0	0	0	0	0	1

Customer\_Model\_Input

YEAR	MONTH	REVCLS	ind3	ind4	or1	or2	or3	or4	or5	or6	
2007	1	1	0	0	0	0	0	0	0	0	0
2007	1	2	0	0	0	0	0	0	0	0	0
2007	1	3.1	0	1	0	0	0	0	0	0	0
2007	1	3.15	0	0	0	0	0	0	0	0	0
2007	1	3.2	0	0	0	0	0	0	0	0	0
2007	1	3.25	0	0	0	0	0	0	0	0	0
2007	1	4	0	0	0	0	0	0	0	0	1
2007	2	1	0	0	0	0	0	0	0	0	0
2007	2	2	0	0	0	0	0	0	0	0	0
2007	2	3.1	0	1	0	0	0	0	0	0	0
2007	2	3.15	0	0	0	0	0	0	0	0	0
2007	2	3.2	0	0	0	0	0	0	0	0	0
2007	2	3.25	0	0	0	0	0	0	0	0	0
2007	2	4	0	0	0	0	0	0	0	0	1
2007	3	1	0	0	0	0	0	0	0	0	0
2007	3	2	0	0	0	0	0	0	0	0	0
2007	3	3.1	0	1	0	0	0	0	0	0	0
2007	3	3.15	0	0	0	0	0	0	0	0	0
2007	3	3.2	0	0	0	0	0	0	0	0	0
2007	3	3.25	0	0	0	0	0	0	0	0	0
2007	3	4	0	0	0	0	0	0	0	0	1
2007	4	1	0	0	0	0	0	0	0	0	0
2007	4	2	0	0	0	0	0	0	0	0	0
2007	4	3.1	0	1	0	0	0	0	0	0	0
2007	4	3.15	0	0	0	0	0	0	0	0	0
2007	4	3.2	0	0	0	0	0	0	0	0	0
2007	4	3.25	0	0	0	0	0	0	0	0	0
2007	4	4	0	0	0	0	0	0	0	0	1
2007	5	1	0	0	0	0	0	0	0	0	0
2007	5	2	0	0	0	0	0	0	0	0	0
2007	5	3.1	0	1	0	0	0	0	0	0	0
2007	5	3.15	0	0	0	0	0	0	0	0	0
2007	5	3.2	0	0	0	0	0	0	0	0	0
2007	5	3.25	0	0	0	0	0	0	0	0	0
2007	5	4	0	0	0	0	0	0	0	0	1
2007	6	1	0	0	0	0	0	0	0	0	0

Customer\_Model\_Input

YEAR	MONTH	REVCLS	ind3	ind4	or1	or2	or3	or4	or5	or6	
2007	6	2	0	0	0	0	0	0	0	0	0
2007	6	3.1	0	1	0	0	0	0	0	0	0
2007	6	3.15	0	0	0	0	0	0	0	0	0
2007	6	3.2	0	0	0	0	0	0	0	0	0
2007	6	3.25	0	0	0	0	0	0	0	0	0
2007	6	4	0	0	0	0	0	0	0	0	1
2007	7	1	0	0	0	0	0	0	0	0	0
2007	7	2	0	0	0	0	0	0	0	0	0
2007	7	3.1	0	1	0	0	0	0	0	0	0
2007	7	3.15	0	0	0	0	0	0	0	0	0
2007	7	3.2	0	0	0	0	0	0	0	0	0
2007	7	3.25	0	0	0	0	0	0	0	0	0
2007	7	4	0	0	0	0	0	0	0	0	1
2007	8	1	0	0	0	0	0	0	0	0	0
2007	8	2	0	0	0	0	0	0	0	0	0
2007	8	3.1	0	1	0	0	0	0	0	0	0
2007	8	3.15	0	0	0	0	0	0	0	0	0
2007	8	3.2	0	0	0	0	0	0	0	0	0
2007	8	3.25	0	0	0	0	0	0	0	0	0
2007	8	4	0	0	0	0	0	0	0	0	1
2007	9	1	0	0	0	0	0	0	0	0	0
2007	9	2	0	0	0	0	0	0	0	0	0
2007	9	3.1	0	1	0	0	0	0	0	0	0
2007	9	3.15	0	0	0	0	0	0	0	0	0
2007	9	3.2	0	0	0	0	0	0	0	0	0
2007	9	3.25	0	0	0	0	0	0	0	0	0
2007	9	4	0	0	0	0	0	0	0	0	1
2007	10	1	0	0	0	0	0	0	0	0	0
2007	10	2	0	0	0	0	0	0	0	0	0
2007	10	3.1	0	1	0	0	0	0	0	0	0
2007	10	3.15	0	0	0	0	0	0	0	0	0
2007	10	3.2	0	0	0	0	0	0	0	0	0
2007	10	3.25	0	0	0	0	0	0	0	0	0
2007	10	4	0	0	0	0	0	0	0	0	1
2007	11	1	0	0	0	0	0	0	0	0	0
2007	11	2	0	0	0	0	0	0	0	0	0

Customer\_Model\_Input

YEAR	MONTH	REVCLS	ind3	ind4	or1	or2	or3	or4	or5	or6	
2007	11	3.1	0	0	1	0	0	0	0	0	0
2007	11	3.15	0	0	0	0	0	0	0	0	0
2007	11	3.2	0	0	0	0	0	0	0	0	0
2007	11	3.25	0	0	0	0	0	0	0	0	0
2007	11	4	0	0	0	0	0	0	0	0	1
2007	12	1	0	0	0	0	0	0	0	0	0
2007	12	2	0	0	0	0	0	0	0	0	0
2007	12	3.1	0	0	1	0	0	0	0	0	0
2007	12	3.15	0	0	0	0	0	0	0	0	0
2007	12	3.2	0	0	0	0	0	0	0	0	0
2007	12	3.25	0	0	0	0	0	0	0	0	0
2007	12	4	0	0	0	0	0	0	0	0	1
2008	1	1	0	0	0	0	0	0	0	0	0
2008	1	2	0	0	0	0	0	0	0	0	0
2008	1	3.1	0	0	1	0	0	0	0	0	0
2008	1	3.15	0	0	0	0	0	0	0	0	0
2008	1	3.2	0	0	0	0	0	0	0	0	0
2008	1	3.25	0	0	0	0	0	0	0	0	0
2008	1	4	0	0	0	0	0	0	0	0	1
2008	2	1	0	0	0	0	0	0	0	0	0
2008	2	2	0	0	0	0	0	0	0	0	0
2008	2	3.1	0	0	1	0	0	0	0	0	0
2008	2	3.15	0	0	0	0	0	0	0	0	0
2008	2	3.2	0	0	0	0	0	0	0	0	0
2008	2	3.25	0	0	0	0	0	0	0	0	0
2008	2	4	0	0	0	0	0	0	0	0	1
2008	3	1	0	0	0	0	0	0	0	0	0
2008	3	2	0	0	0	0	0	0	0	0	0
2008	3	3.1	0	0	1	0	0	0	0	0	0
2008	3	3.15	0	0	0	0	0	0	0	0	0
2008	3	3.2	0	0	0	0	0	0	0	0	0
2008	3	3.25	0	0	0	0	0	0	0	0	0
2008	3	4	0	0	0	0	0	0	0	0	1
2008	4	1	0	0	0	0	0	0	0	0	0
2008	4	2	0	0	0	0	0	0	0	0	0
2008	4	3.1	0	0	1	0	0	0	0	0	0

Customer\_Model\_Input

YEAR	MONTH	REVCLS	ind3	ind4	or1	or2	or3	or4	or5	or6	
2008	4	3.15	0	0	0	0	0	0	0	0	0
2008	4	3.2	0	0	0	0	0	0	0	0	0
2008	4	3.25	0	0	0	0	0	0	0	0	0
2008	4	4	0	0	0	0	0	0	0	0	1
2008	5	1	0	0	0	0	0	0	0	0	0
2008	5	2	0	0	0	0	0	0	0	0	0
2008	5	3.1	0	1	0	0	0	0	0	0	0
2008	5	3.15	0	0	0	0	0	0	0	0	0
2008	5	3.2	0	0	0	0	0	0	0	0	0
2008	5	3.25	0	0	0	0	0	0	0	0	0
2008	5	4	0	0	0	0	0	0	0	0	1
2008	6	1	0	0	0	0	0	0	0	0	0
2008	6	2	0	0	0	0	0	0	0	0	0
2008	6	3.1	0	1	0	0	0	0	0	0	0
2008	6	3.15	0	0	0	0	0	0	0	0	0
2008	6	3.2	0	0	0	0	0	0	0	0	0
2008	6	3.25	0	0	0	0	0	0	0	0	0
2008	6	4	0	0	0	0	0	0	0	0	1
2008	7	1	0	0	0	0	0	0	0	0	0
2008	7	2	0	0	0	0	0	0	0	0	0
2008	7	3.1	0	1	0	0	0	0	0	0	0
2008	7	3.15	0	0	0	0	0	0	0	0	0
2008	7	3.2	0	0	0	0	0	0	0	0	0
2008	7	3.25	0	0	0	0	0	0	0	0	0
2008	7	4	0	0	0	0	0	0	0	0	1
2008	8	1	0	0	0	0	0	0	0	0	0
2008	8	2	0	0	0	0	0	0	0	0	0
2008	8	3.1	0	1	0	0	0	0	0	0	0
2008	8	3.15	0	0	0	0	0	0	0	0	0
2008	8	3.2	0	0	0	0	0	0	0	0	0
2008	8	3.25	0	0	0	0	0	0	0	0	0
2008	8	4	0	0	0	0	0	0	0	0	1
2008	9	1	0	0	0	0	0	0	0	0	0
2008	9	2	0	0	0	0	0	0	0	0	0
2008	9	3.1	0	0	0	0	0	0	0	0	0
2008	9	3.15	0	0	0	0	0	0	0	0	0

Customer\_Model\_Input

YEAR	MONTH	REVCLS	ind3	ind4	or1	or2	or3	or4	or5	or6	
2008	9	3.2	0	0	0	0	0	0	0	0	0
2008	9	3.25	0	0	0	0	0	0	0	0	0
2008	9	4	0	0	0	0	0	0	0	0	1
2008	10	1	0	0	0	0	0	0	0	0	0
2008	10	2	0	0	0	0	0	0	0	0	0
2008	10	3.1	0	0	0	0	0	0	0	0	0
2008	10	3.15	0	0	0	0	0	0	0	0	0
2008	10	3.2	0	0	0	0	0	0	0	0	0
2008	10	3.25	0	0	0	0	0	0	0	0	0
2008	10	4	0	0	0	0	0	0	0	0	1
2008	11	1	0	0	0	0	0	0	0	0	0
2008	11	2	0	0	0	0	0	0	0	0	0
2008	11	3.1	0	0	0	0	0	0	0	0	0
2008	11	3.15	0	0	0	0	0	0	0	0	0
2008	11	3.2	0	0	0	0	0	0	0	0	0
2008	11	3.25	0	0	0	0	0	0	0	0	0
2008	11	4	0	0	0	0	0	0	0	0	1
2008	12	1	0	0	0	0	0	0	0	0	0
2008	12	2	0	0	0	0	0	0	0	0	0
2008	12	3.1	0	0	0	0	0	0	0	0	0
2008	12	3.15	0	0	0	0	0	0	0	0	0
2008	12	3.2	0	0	0	0	0	0	0	0	0
2008	12	3.25	0	0	0	0	0	0	0	0	0
2008	12	4	0	0	0	0	0	0	0	0	1
2009	1	1	0	0	0	0	0	0	0	0	0
2009	1	2	0	0	0	0	0	0	0	0	0
2009	1	3.1	0	0	0	0	0	0	0	0	0
2009	1	3.15	0	0	0	0	0	0	0	0	0
2009	1	3.2	0	0	0	0	0	0	0	0	0
2009	1	3.25	0	0	0	0	0	0	0	0	0
2009	1	4	0	0	0	0	0	0	0	0	1
2009	2	1	0	0	0	0	0	0	0	0	0
2009	2	2	0	0	0	0	0	0	0	0	0
2009	2	3.1	0	0	0	0	0	0	0	0	0
2009	2	3.15	0	0	0	0	0	0	0	0	0
2009	2	3.2	0	0	0	0	0	0	0	0	0

Customer\_Model\_Input

YEAR	MONTH	REVCLS	ind3	ind4	or1	or2	or3	or4	or5	or6	
2009	2	3.25	0	0	0	0	0	0	0	0	0
2009	2	4	0	0	0	0	0	0	0	0	1
2009	3	1	0	0	0	0	0	0	0	0	0
2009	3	2	0	0	0	0	0	0	0	0	0
2009	3	3.1	0	0	0	0	0	0	0	0	0
2009	3	3.15	0	0	0	0	0	0	0	0	0
2009	3	3.2	0	0	0	0	0	0	0	0	0
2009	3	3.25	0	0	0	0	0	0	0	0	0
2009	3	4	0	0	0	0	0	0	0	0	1
2009	4	1	0	0	0	0	0	0	0	0	0
2009	4	2	0	0	0	0	0	0	0	0	0
2009	4	3.1	0	0	0	0	0	0	0	0	0
2009	4	3.15	0	0	0	0	0	0	0	0	0
2009	4	3.2	0	0	0	0	0	0	0	0	0
2009	4	3.25	0	0	0	0	0	0	0	0	0
2009	4	4	0	0	0	0	0	0	0	0	1
2009	5	1	0	0	0	0	0	0	0	0	0
2009	5	2	0	0	0	0	0	0	0	0	0
2009	5	3.1	0	0	0	0	0	0	0	0	0
2009	5	3.15	0	0	0	0	0	0	0	0	0
2009	5	3.2	0	0	0	0	0	0	0	0	0
2009	5	3.25	0	0	0	0	0	0	0	0	0
2009	5	4	0	0	0	0	0	0	0	0	1
2009	6	1	0	0	0	0	0	0	0	0	0
2009	6	2	0	0	0	0	0	0	0	0	0
2009	6	3.1	0	0	0	0	0	0	0	0	0
2009	6	3.15	0	0	0	0	0	0	0	0	0
2009	6	3.2	0	0	0	0	0	0	0	0	0
2009	6	3.25	0	0	0	0	0	0	0	0	0
2009	6	4	0	0	0	0	0	0	0	0	1
2009	7	1	0	0	0	0	0	0	0	0	0
2009	7	2	0	0	0	0	0	0	0	0	0
2009	7	3.1	0	0	0	0	0	0	0	0	0
2009	7	3.15	0	0	0	0	0	0	0	0	0
2009	7	3.2	0	0	0	0	0	0	0	0	0
2009	7	3.25	0	0	0	0	0	0	0	0	0

Customer\_Model\_Input

YEAR	MONTH	REVCLS	ind3	ind4	or1	or2	or3	or4	or5	or6	
2009	7	4	0	0	0	0	0	0	0	0	1
2009	8	1	0	0	0	0	0	0	0	0	0
2009	8	2	0	0	0	0	0	0	0	0	0
2009	8	3.1	0	0	0	0	0	0	0	0	0
2009	8	3.15	0	0	0	0	0	0	0	0	0
2009	8	3.2	0	0	0	0	0	0	0	0	0
2009	8	3.25	0	0	0	0	0	0	0	0	0
2009	8	4	0	0	0	0	0	0	0	0	1
2009	9	1	0	0	0	0	0	0	0	0	0
2009	9	2	0	0	0	0	0	0	0	0	0
2009	9	3.1	0	0	0	0	0	0	0	0	0
2009	9	3.15	0	0	0	0	0	0	0	0	0
2009	9	3.2	0	0	0	0	0	0	0	0	0
2009	9	3.25	0	0	0	0	0	0	0	0	0
2009	9	4	0	0	0	0	0	0	0	0	1
2009	10	1	0	0	0	0	0	0	0	0	0
2009	10	2	0	0	0	0	0	0	0	0	0
2009	10	3.1	0	0	0	0	0	0	0	0	0
2009	10	3.15	0	0	0	0	0	0	0	0	0
2009	10	3.2	0	0	0	0	0	0	0	0	0
2009	10	3.25	0	0	0	0	0	0	0	0	0
2009	10	4	0	0	0	0	0	0	0	0	1
2009	11	1	0	0	0	0	0	0	0	0	0
2009	11	2	0	0	0	0	0	0	0	0	0
2009	11	3.1	0	0	0	0	0	0	0	0	0
2009	11	3.15	0	0	0	0	0	0	0	0	0
2009	11	3.2	0	0	0	0	0	0	0	0	0
2009	11	3.25	0	0	0	0	0	0	0	0	0
2009	11	4	0	0	0	0	0	0	0	0	1
2009	12	1	0	0	0	0	0	0	0	0	0
2009	12	2	0	0	0	0	0	0	0	0	0
2009	12	3.1	0	0	0	0	0	0	0	0	0
2009	12	3.15	0	0	0	0	0	0	0	0	0
2009	12	3.2	0	0	0	0	0	0	0	0	0
2009	12	3.25	0	0	0	0	0	0	0	0	0
2009	12	4	0	0	0	0	0	0	0	0	1



Customer\_Model\_Input

YEAR	MONTH	REVCLS	ind3	ind4	or1	or2	or3	or4	or5	or6	
2010	1	1	0	0	0	0	0	0	0	0	0
2010	1	2	0	0	0	0	0	0	0	0	0
2010	1	3.1	0	0	0	0	0	0	0	0	0
2010	1	3.15	0	0	0	0	0	0	0	0	0
2010	1	3.2	0	0	0	0	0	0	0	0	0
2010	1	3.25	0	0	0	0	0	0	0	0	0
2010	1	4	0	0	0	0	0	0	0	0	1
2010	2	1	0	0	0	0	0	0	0	0	0
2010	2	2	0	0	0	0	0	0	0	0	0
2010	2	3.1	0	0	0	0	0	0	0	0	0
2010	2	3.15	0	0	0	0	0	0	0	0	0
2010	2	3.2	0	0	0	0	0	0	0	0	0
2010	2	3.25	0	0	0	0	0	0	0	0	0
2010	2	4	0	0	0	0	0	0	0	0	1
2010	3	1	0	0	0	0	0	0	0	0	0
2010	3	2	0	0	0	0	0	0	0	0	0
2010	3	3.1	0	0	0	0	0	0	0	0	0
2010	3	3.15	0	0	0	0	0	0	0	0	0
2010	3	3.2	0	0	0	0	0	0	0	0	0
2010	3	3.25	0	0	0	0	0	0	0	0	0
2010	3	4	0	0	0	0	0	0	0	0	1
2010	4	1	0	0	0	0	0	0	0	0	0
2010	4	2	0	0	0	0	0	0	0	0	0
2010	4	3.1	0	0	0	0	0	0	0	0	0
2010	4	3.15	0	0	0	0	0	0	0	0	0
2010	4	3.2	0	0	0	0	0	0	0	0	0
2010	4	3.25	0	0	0	0	0	0	0	0	0
2010	4	4	0	0	0	0	0	0	0	0	1
2010	5	1	0	0	0	0	0	0	0	0	0
2010	5	2	0	0	0	0	0	0	0	0	0
2010	5	3.1	0	0	0	0	0	0	0	0	0
2010	5	3.15	0	0	0	0	0	0	0	0	0
2010	5	3.2	0	0	0	0	0	0	0	0	0
2010	5	3.25	0	0	0	0	0	0	0	0	0
2010	5	4	0	0	0	0	0	0	0	0	1
2010	6	1	0	0	0	0	0	0	0	0	0

Customer\_Model\_Input

YEAR	MONTH	REVCLS	ind3	ind4	or1	or2	or3	or4	or5	or6	
2010	6	2	0	0	0	0	0	0	0	0	0
2010	6	3.1	0	0	0	0	0	0	0	0	0
2010	6	3.15	0	0	0	0	0	0	0	0	0
2010	6	3.2	0	0	0	0	0	0	0	0	0
2010	6	3.25	0	0	0	0	0	0	0	0	0
2010	6	4	0	0	0	0	0	0	0	0	1
2010	7	1	0	0	0	0	0	0	0	0	0
2010	7	2	0	0	0	0	0	0	0	0	0
2010	7	3.1	0	0	0	0	0	0	0	0	0
2010	7	3.15	0	0	0	0	0	0	0	0	0
2010	7	3.2	0	0	0	0	0	0	0	0	0
2010	7	3.25	0	0	0	0	0	0	0	0	0
2010	7	4	0	0	0	0	0	0	0	0	1
2010	8	1	0	0	0	0	0	0	0	0	0
2010	8	2	0	0	0	0	0	0	0	0	0
2010	8	3.1	0	0	0	0	0	0	0	0	0
2010	8	3.15	0	0	0	0	0	0	0	0	0
2010	8	3.2	0	0	0	0	0	0	0	0	0
2010	8	3.25	0	0	0	0	0	0	0	0	0
2010	8	4	0	0	0	0	0	0	0	0	1
2010	9	1	0	0	0	0	0	0	0	0	0
2010	9	2	0	0	0	0	0	0	0	0	0
2010	9	3.1	0	0	0	0	0	0	0	0	0
2010	9	3.15	0	0	0	0	0	0	0	0	0
2010	9	3.2	0	0	0	0	0	0	0	0	0
2010	9	3.25	0	0	0	0	0	0	0	0	0
2010	9	4	0	0	0	0	0	0	0	0	1
2010	10	1	0	0	0	0	0	0	0	0	0
2010	10	2	0	0	0	0	0	0	0	0	0
2010	10	3.1	0	0	0	0	0	0	0	0	0
2010	10	3.15	0	0	0	0	0	0	0	0	0
2010	10	3.2	0	0	0	0	0	0	0	0	0
2010	10	3.25	0	0	0	0	0	0	0	0	0
2010	10	4	0	0	0	0	0	0	0	0	1
2010	11	1	0	0	0	0	0	0	0	0	0
2010	11	2	0	0	0	0	0	0	0	0	0

Customer\_Model\_Input

YEAR	MONTH	REVCLS	ind3	ind4	or1	or2	or3	or4	or5	or6	
2010	11	3.1	0	0	0	0	0	0	0	0	0
2010	11	3.15	0	0	0	0	0	0	0	0	0
2010	11	3.2	0	0	0	0	0	0	0	0	0
2010	11	3.25	0	0	0	0	0	0	0	0	0
2010	11	4	0	0	0	0	0	0	0	0	1
2010	12	1	0	0	0	0	0	0	0	0	0
2010	12	2	0	0	0	0	0	0	0	0	0
2010	12	3.1	0	0	0	0	0	0	0	0	0
2010	12	3.15	0	0	0	0	0	0	0	0	0
2010	12	3.2	0	0	0	0	0	0	0	0	0
2010	12	3.25	0	0	0	0	0	0	0	0	0
2010	12	4	0	0	0	0	0	0	0	0	1
2011	1	1	0	0	0	0	0	0	0	0	0
2011	1	2	0	0	0	0	0	0	0	0	0
2011	1	3.1	0	0	0	0	0	0	0	0	0
2011	1	3.15	0	0	0	0	0	0	0	0	0
2011	1	3.2	0	0	0	0	0	0	0	0	0
2011	1	3.25	0	0	0	0	0	0	0	0	0
2011	1	4	0	0	0	0	0	0	0	0	1
2011	2	1	0	0	0	0	0	0	0	0	0
2011	2	2	0	0	0	0	0	0	0	0	0
2011	2	3.1	0	0	0	0	0	0	0	0	0
2011	2	3.15	0	0	0	0	0	0	0	0	0
2011	2	3.2	0	0	0	0	0	0	0	0	0
2011	2	3.25	0	0	0	0	0	0	0	0	0
2011	2	4	0	0	0	0	0	0	0	0	1
2011	3	1	0	0	0	0	0	0	0	0	0
2011	3	2	0	0	0	0	0	0	0	0	0
2011	3	3.1	0	0	0	0	0	0	0	0	0
2011	3	3.15	0	0	0	0	0	0	0	0	0
2011	3	3.2	0	0	0	0	0	0	0	0	0
2011	3	3.25	0	0	0	0	0	0	0	0	0
2011	3	4	0	0	0	0	0	0	0	0	1
2011	4	1	0	0	0	0	0	0	0	0	0
2011	4	2	0	0	0	0	0	0	0	0	0
2011	4	3.1	0	0	0	0	0	0	0	0	0

Customer\_Model\_Input

YEAR	MONTH	REVCLS	ind3	ind4	or1	or2	or3	or4	or5	or6	
2011	4	3.15	0	0	0	0	0	0	0	0	0
2011	4	3.2	0	0	0	0	0	0	0	0	0
2011	4	3.25	0	0	0	0	0	0	0	0	0
2011	4	4	0	0	0	0	0	0	0	0	1
2011	5	1	0	0	0	0	0	0	0	0	0
2011	5	2	0	0	0	0	0	0	0	0	0
2011	5	3.1	0	0	0	0	0	0	0	0	0
2011	5	3.15	0	0	0	0	0	0	0	0	0
2011	5	3.2	0	0	0	0	0	0	0	0	0
2011	5	3.25	0	0	0	0	0	0	0	0	0
2011	5	4	0	0	0	0	0	0	0	0	1
2011	6	1	0	0	0	0	0	0	0	0	0
2011	6	2	0	0	0	0	0	0	0	0	0
2011	6	3.1	0	0	0	0	0	0	0	0	0
2011	6	3.15	0	0	0	0	0	0	0	0	0
2011	6	3.2	0	0	0	0	0	0	0	0	0
2011	6	3.25	0	0	0	0	0	0	0	0	0
2011	6	4	0	0	0	0	0	0	0	0	1
2011	7	1	0	0	0	0	0	0	0	0	0
2011	7	2	0	0	0	0	0	0	0	0	0
2011	7	3.1	0	0	0	0	0	0	0	0	0
2011	7	3.15	0	0	0	0	0	0	0	0	0
2011	7	3.2	0	0	0	0	0	0	0	0	0
2011	7	3.25	0	0	0	0	0	0	0	0	0
2011	7	4	0	0	0	0	0	0	0	0	1
2011	8	1	0	0	0	0	0	0	0	0	0
2011	8	2	0	0	0	0	0	0	0	0	0
2011	8	3.1	0	0	0	0	0	0	0	0	0
2011	8	3.15	0	0	0	0	0	0	0	0	0
2011	8	3.2	0	0	0	0	0	0	0	0	0
2011	8	3.25	0	0	0	0	0	0	0	0	0
2011	8	4	0	0	0	0	0	0	0	0	1
2011	9	1	0	0	0	0	0	0	0	0	0
2011	9	2	0	0	0	0	0	0	0	0	0
2011	9	3.1	0	0	0	0	0	0	0	0	0
2011	9	3.15	0	0	0	0	0	0	0	0	0

Customer\_Model\_Input

YEAR	MONTH	REVCLS	ind3	ind4	or1	or2	or3	or4	or5	or6	
2011	9	3.2	0	0	0	0	0	0	0	0	0
2011	9	3.25	0	0	0	0	0	0	0	0	0
2011	9	4	0	0	0	0	0	0	0	0	1
2011	10	1	0	0	0	0	0	0	0	0	0
2011	10	2	0	0	0	0	0	0	0	0	0
2011	10	3.1	0	0	0	0	0	0	0	0	0
2011	10	3.15	0	0	0	0	0	0	0	0	0
2011	10	3.2	0	0	0	0	0	0	0	0	0
2011	10	3.25	0	0	0	0	0	0	0	0	0
2011	10	4	0	0	0	0	0	0	0	0	1
2011	11	1	0	0	0	0	0	0	0	0	0
2011	11	2	0	0	0	0	0	0	0	0	0
2011	11	3.1	0	0	0	0	0	0	0	0	0
2011	11	3.15	0	0	0	0	0	0	0	0	0
2011	11	3.2	0	0	0	0	0	0	0	0	0
2011	11	3.25	0	0	0	0	0	0	0	0	0
2011	11	4	0	0	0	0	0	0	0	0	1
2011	12	1	0	0	0	0	0	0	0	0	0
2011	12	2	0	0	0	0	0	0	0	0	0
2011	12	3.1	0	0	0	0	0	0	0	0	0
2011	12	3.15	0	0	0	0	0	0	0	0	0
2011	12	3.2	0	0	0	0	0	0	0	0	0
2011	12	3.25	0	0	0	0	0	0	0	0	0
2011	12	4	0	0	0	0	0	0	0	0	1

Kentucky Power Company  
Residential Customers

The ARIMA Procedure

Maximum Likelihood Estimation

Parameter	Estimate	Standard Error	t Value	Approx Pr >  t	Lag	Variable	Shift
MU	186.68950	351.08973	0.53	0.5949	0	CUST	0
AR1,1	0.58125	0.07105	8.18	<.0001	1	CUST	0
AR1,2	0.40711	0.07169	5.68	<.0001	3	CUST	0
AR2,1	-0.23694	0.09326	-2.54	0.0111	6	CUST	0
AR2,2	-0.19572	0.09028	-2.17	0.0302	8	CUST	0
AR2,3	-0.31834	0.09450	-3.37	0.0008	12	CUST	0
NUM1	375.24134	47.90246	7.83	<.0001	0	res1	0
NUM2	305.09638	48.10261	6.34	<.0001	0	res2	0

Constant Estimate 3.805657  
Variance Estimate 16017.28  
Std Error Estimate 126.5594  
AIC 1489.45  
SBC 1511.615  
Number of Residuals 118

Kentucky Power Company  
Residential Customers

The ARIMA Procedure

Correlations of Parameter Estimates

Variable Parameter		CUST MU	CUST AR1,1	CUST AR1,2	CUST AR2,1	CUST AR2,2	CUST AR2,3	res1 NUM1	res2 NUM2
CUST	MU	1.000	-0.015	-0.140	0.078	0.033	0.073	-0.002	0.013
CUST	AR1,1	-0.015	1.000	-0.957	0.073	-0.009	-0.129	0.025	0.037
CUST	AR1,2	-0.140	-0.957	1.000	-0.106	-0.007	0.097	-0.023	-0.043
CUST	AR2,1	0.078	0.073	-0.106	1.000	-0.097	0.213	0.051	0.023
CUST	AR2,2	0.033	-0.009	-0.007	-0.097	1.000	-0.020	0.015	0.125
CUST	AR2,3	0.073	-0.129	0.097	0.213	-0.020	1.000	-0.073	-0.010
res1	NUM1	-0.002	0.025	-0.023	0.051	0.015	-0.073	1.000	0.314
res2	NUM2	0.013	0.037	-0.043	0.023	0.125	-0.010	0.314	1.000

Autocorrelation Check of Residuals

To Lag	Chi- Square	DF	Pr > ChiSq	-----Autocorrelations-----					
6	0.31	1	0.5766	0.019	0.012	-0.021	-0.035	-0.019	-0.003
12	7.48	7	0.3806	-0.026	0.010	-0.053	-0.023	0.214	-0.064
18	10.09	13	0.6862	0.001	-0.053	0.057	0.104	0.034	0.029
24	20.10	19	0.3888	0.154	0.009	-0.002	0.044	0.019	-0.204

Autocorrelation Plot of Residuals

Lag	Covariance	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	Std Error
0	16017.283	1.00000																						0
1	303.337	0.01894																						0.092057
2	198.691	0.01240																						0.092090
3	-335.788	-.02096																						0.092105
4	-558.653	-.03488																						0.092145
5	-296.630	-.01852																						0.092257

Kentucky Power Company  
Residential Customers

The ARIMA Procedure

Autocorrelation Plot of Residuals

Lag	Covariance	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	Std Error	
6	-54.145273	-.00338										.		.										0.092288	
7	-423.425	-.02644										.		*		.									0.092289
8	165.404	0.01033										.		.											0.092354
9	-845.396	-.05278										.		*		.									0.092363
10	-362.418	-.02263										.		.											0.092619
11	3435.580	0.21449										.		****											0.092665
12	-1026.342	-.06408										.		*		.									0.096782
13	13.934220	0.00087										.		.											0.097140
14	-848.794	-.05299										.		*		.									0.097140
15	912.006	0.05694										.		*		.									0.097385
16	1670.392	0.10429										.		**		.									0.097667
17	536.648	0.03350										.		*		.									0.098606
18	462.528	0.02888										.		*		.									0.098702
19	2460.419	0.15361										.		***		.									0.098774
20	136.780	0.00854										.		.											0.100778
21	-26.227939	-.00164										.		.											0.100784
22	698.595	0.04362										.		*		.									0.100785
23	310.927	0.01941										.		.											0.100944
24	-3270.301	-.20417										.		****		.									0.100976

\*. marks two standard errors



Kentucky Power Company  
Residential Customers

The ARIMA Procedure

Inverse Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1		
1	-0.05575										.	*												
2	-0.00564										.		.											
3	0.04135										.		.	*										
4	0.06060										.		.	*										
5	0.00009										.		.											
6	-0.01425										.		.											
7	0.00076										.		.											
8	0.00233										.		.											
9	0.02367										.		.											
10	0.03031										.		.	*										
11	-0.21044										.		.	****										
12	0.10827										.		.	**										
13	-0.08663										.		.	**										
14	0.04011										.		.	*										
15	-0.05430										.		.	*										
16	-0.09882										.		.	**										
17	-0.00565										.		.											
18	-0.02375										.		.											
19	-0.13193										.		.	***										
20	-0.01691										.		.											
21	0.01302										.		.											
22	-0.00870										.		.											
23	-0.06844										.		.	*										
24	0.18533										.		.	****										

Kentucky Power Company  
Residential Customers

The ARIMA Procedure

Partial Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	
1	0.01894												.										
2	0.01205												.										
3	-0.02144												.										
4	-0.03426												.	*									
5	-0.01674												.										
6	-0.00231												.										
7	-0.02739												.	*									
8	0.00946												.										
9	-0.05397												.	*									
10	-0.02271												.										
11	0.21642												.										****
12	-0.07870												.	**									
13	-0.00689												.										
14	-0.04659												.	*									
15	0.07497												.	*									
16	0.10902												.	**									
17	0.02067												.										
18	0.03136												.	*									
19	0.15720												.	**									
20	0.03993												.	*									
21	0.00241												.										
22	0.00752												.										
23	0.06640												.	*									
24	-0.21581												.	****									

Model for variable CUST

Estimated Intercept           166.6895  
Period(s) of Differencing       12

Kentucky Power Company  
Residential Customers

The ARIMA Procedure

Autoregressive Factors

Factor 1:  $1 - 0.58125 B^{**}(1) - 0.40711 B^{**}(3)$   
Factor 2:  $1 + 0.23694 B^{**}(6) + 0.19572 B^{**}(8) + 0.31834 B^{**}(12)$

Input Number 1

Input Variable res1  
Period(s) of Differencing 12  
Overall Regression Factor 375.2413

Input Number 2

Input Variable res2  
Period(s) of Differencing 12  
Overall Regression Factor 305.0964

Forecasts for variable CUST

Obs	Forecast	Std Error	95% Confidence Limits	
131	144024.4	126.56	143776.4	144272.5
132	144277.7	146.39	143990.8	144564.6
133	144480.0	152.50	144181.1	144778.9
134	144469.9	170.56	144135.6	144804.2
135	144141.6	186.06	143776.9	144506.2
136	143821.1	195.68	143437.6	144204.7
137	143603.4	199.03	143213.3	143993.5
138	143530.5	205.56	143127.6	143933.4
139	143572.8	207.70	143165.7	143979.9
140	143694.3	210.17	143282.3	144106.2
141	143778.0	213.86	143358.8	144197.1
142	143753.8	216.73	143329.0	144178.6

Kentucky Power Company  
Residential Customers

The ARIMA Procedure

Forecasts for variable CUST

Obs	Forecast	Std Error	95% Confidence Limits	
143	143890.6	251.13	143398.4	144382.8
144	144167.3	266.72	143644.5	144690.0
145	144413.4	277.97	143868.6	144958.2
146	144345.6	294.45	143768.4	144922.7
147	144014.8	310.30	143406.7	144623.0
148	143677.4	322.74	143044.8	144310.0
149	143461.5	332.17	142810.4	144112.5
150	143392.0	343.00	142719.7	144064.3
151	143440.0	350.61	142752.8	144127.2
152	143549.2	358.38	142846.8	144251.6
153	143609.2	366.04	142891.8	144326.7
154	143620.9	373.23	142889.4	144352.4
155	143762.5	410.73	142957.5	144567.5
156	144037.8	430.81	143193.4	144882.1
157	144271.8	443.92	143401.7	145141.8
158	144228.0	463.14	143320.3	145135.8
159	143906.1	481.45	142962.5	144849.7
160	143571.4	496.19	142598.9	144543.9

Kentucky Power Company  
Commercial Customers

The ARIMA Procedure

Maximum Likelihood Estimation

Parameter	Estimate	Standard Error	t Value	Approx Pr >  t	Lag	Variable	Shift
MU	41.99123	4.14681	10.13	<.0001	0	CUST	0
MA1,1	0.38007	0.08460	4.49	<.0001	1	CUST	0
AR1,1	-0.22028	0.08397	-2.62	0.0087	6	CUST	0
AR2,1	0.35542	0.08874	4.01	<.0001	24	CUST	0
NUM1	-783.94417	59.84803	-13.10	<.0001	0	com1	0
NUM2	517.08788	48.98808	10.56	<.0001	0	com3	0
NUM3	814.18656	54.93362	14.82	<.0001	0	com4	0

Constant Estimate	33.02861
Variance Estimate	4199.764
Std Error Estimate	64.80559
AIC	1452.815
SBC	1472.834
Number of Residuals	129

Correlations of Parameter Estimates

Variable Parameter	CUST MU	CUST MA1,1	CUST AR1,1	CUST AR2,1	com1 NUM1	com3 NUM2	com4 NUM3
CUST MU	1.000	0.020	-0.005	-0.097	-0.125	-0.006	-0.090
CUST MA1,1	0.020	1.000	-0.027	-0.081	-0.073	0.032	-0.047
CUST AR1,1	-0.005	-0.027	1.000	-0.004	0.044	-0.036	0.107
CUST AR2,1	-0.097	-0.081	-0.004	1.000	0.065	0.052	0.013
com1 NUM1	-0.125	-0.073	0.044	0.065	1.000	-0.000	0.019
com3 NUM2	-0.006	0.032	-0.036	0.052	-0.000	1.000	0.009
com4 NUM3	-0.090	-0.047	0.107	0.013	0.019	0.009	1.000

Kentucky Power Company  
Commercial Customers

The ARIMA Procedure

Autocorrelation Check of Residuals

To Lag	Chi-Square	DF	Pr > ChiSq	-----Autocorrelations-----					
6	4.10	3	0.2504	0.011	-0.006	0.170	-0.041	0.006	-0.003
12	7.71	9	0.5633	0.107	-0.103	-0.037	-0.010	-0.014	0.047
18	15.29	15	0.4304	0.033	-0.053	-0.021	-0.028	-0.204	0.059
24	19.90	21	0.5278	-0.045	-0.131	-0.052	-0.053	-0.034	-0.060

Autocorrelation Plot of Residuals

Lag	Covariance	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	Std Error
0	4199.764	1.00000													*****									0
1	45.282069	0.01078													.									0.088045
2	-23.458467	-0.00559													.									0.088055
3	712.063	0.16955													.	***								0.088058
4	-171.087	-0.04074													.	*								0.090553
5	24.441696	0.00582													.									0.090695
6	-10.601199	-0.00252													.									0.090698
7	449.515	0.10703													.	**								0.090699
8	-431.015	-0.10263													.	**								0.091673
9	-155.136	-0.03694													.	*								0.092559
10	-43.983138	-0.01047													.									0.092673
11	-59.486208	-0.01416													.									0.092682
12	195.873	0.04664													.	*								0.092699
13	139.975	0.03333													.	*								0.092881
14	-223.174	-0.05314													.	*								0.092974
15	-89.941985	-0.02142													.									0.093209
16	-118.442	-0.02820													.	*								0.093247
17	-856.818	-0.20402													.	***								0.093313
18	249.405	0.05939													.	*								0.096709
19	-188.139	-0.04480													.	*								0.096991
20	-550.069	-0.13098													.	***								0.097151

Kentucky Power Company  
Commercial Customers

The ARIMA Procedure

Autocorrelation Plot of Residuals

Lag	Covariance	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	Std Error
21	-219.825	-.05234										. *												0.098511
22	-221.219	-.05267										. *												0.098726
23	-142.830	-.03401										. *												0.098944
24	-252.835	-.06020										. *												0.099034

\*,\* marks two standard errors

Inverse Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1
1	-0.06733										. *											
2	0.06298										. *											
3	-0.17673										****											
4	0.10857										. **											
5	-0.04461										. *											
6	0.06685										. *											
7	-0.12229										. **											
8	0.11378										. **											
9	0.04088										. *											
10	0.01791										.											
11	-0.00572										.											
12	-0.03959										. *											
13	-0.02300										.											
14	-0.00088										.											
15	0.03999										. *											
16	0.01605										.											
17	0.15543										. ***											
18	-0.07322										. *											
19	0.04219										. *											
20	0.05083										. *											

Kentucky Power Company  
Commercial Customers

The ARIMA Procedure

Inverse Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1
21	0.06023											.	*	.								
22	0.02165											.	.	.								
23	0.01721											.	.	.								
24	0.01236											.	.	.								

Partial Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1
1	0.01078											.	.	.								
2	-0.00570										.	.	.	.								
3	0.16970										.	.	.	***	.							
4	-0.04594										.	.	*	.	.							
5	0.00970										.	.	.	.	.							
6	-0.03330										.	.	*	.	.							
7	0.12668										.	.	.	***	.							
8	-0.11836										.	.	**	.	.							
9	-0.02183										.	.	.	.	.							
10	-0.05766										.	.	*	.	.							
11	0.04261										.	.	.	*	.							
12	0.04083										.	.	.	*	.							
13	0.05064										.	.	.	*	.							
14	-0.08650										.	.	**	.	.							
15	-0.00400										.	.	.	.	.							
16	-0.04868										.	.	*	.	.							
17	-0.18548										.	.	***	.	.							
18	0.06232										.	.	.	*	.							
19	-0.05537										.	.	*	.	.							
20	-0.06656										.	.	*	.	.							
21	-0.07396										.	.	*	.	.							
22	-0.02511										.	.	*	.	.							



Kentucky Power Company  
Commercial Customers

The ARIMA Procedure

Partial Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	
23	-0.02052												.		.								
24	-0.01406												.		.								

Model for variable CUST

Estimated Intercept           41.99123  
Period(s) of Differencing       1

Autoregressive Factors

Factor 1: 1 + 0.22028 B\*\*(6)  
Factor 2: 1 - 0.35542 B\*\*(24)

Moving Average Factors

Factor 1: 1 - 0.38007 B\*\*(1)

Input Number 1

Input Variable                   com1  
Period(s) of Differencing       1  
Overall Regression Factor       -783.944

Input Number 2

Input Variable                   com3  
Period(s) of Differencing       1

Kentucky Power Company  
Commercial Customers

The ARIMA Procedure

Input Number 2

Overall Regression Factor 517.0879

Input Number 3

Input Variable com4  
Period(s) of Differencing 1  
Overall Regression Factor 814.1866

Forecasts for variable CUST

Obs	Forecast	Std Error	95% Confidence Limits	
131	29484.2290	64.8056	29357.2124	29611.2456
132	29489.3397	76.2482	29339.8959	29638.7835
133	29550.2215	86.1848	29381.3023	29719.1406
134	29562.1762	95.0886	29375.8059	29748.5465
135	29594.1013	103.2273	29391.7794	29796.4231
136	29631.4161	110.7696	29414.3116	29848.5205
137	29701.9396	113.7573	29478.9795	29924.8997
138	29766.0433	117.9915	29534.7842	29997.3024
139	29814.5746	122.0790	29575.3042	30053.8451
140	29874.2242	126.0340	29627.2021	30121.2462
141	29920.7256	129.8686	29666.1879	30175.2633
142	29960.3669	133.5931	29698.5292	30222.2046
143	29992.6108	137.9685	29722.1976	30263.0240
144	30015.3539	141.9243	29737.1874	30293.5204
145	30058.9381	145.7728	29773.2286	30344.6476
146	30081.0542	149.5223	29787.9959	30374.1126
147	30114.7062	153.1801	29814.4787	30414.9336
148	30159.8994	156.7525	29852.6702	30467.1287
149	30202.9579	160.1029	29889.1620	30516.7539
150	30233.8687	163.4373	29913.5374	30554.2000

Kentucky Power Company  
Commercial Customers

The ARIMA Procedure

Forecasts for variable CUST

Obs	Forecast	Std Error	95% Confidence Limits	
151	30276.9507	166.7051	29950.2148	30603.6866
152	30320.3611	169.9100	29987.3437	30653.3785
153	30380.2419	173.0555	30041.0593	30719.4245
154	30408.1398	176.1449	30062.9021	30753.3775
155	30436.0773	184.8420	30073.7938	30798.3609
156	30464.9747	190.7779	30091.0570	30838.8925
157	30513.6710	196.5346	30128.4703	30898.8718
158	30544.9878	202.1274	30148.8254	30941.1503
159	30583.3759	207.5696	30176.5470	30990.2048
160	30623.7568	212.8727	30206.5340	31040.9796

Kentucky Power Company  
Industrial Customers

The ARIMA Procedure

Maximum Likelihood Estimation

Parameter	Estimate	Standard Error	t Value	Approx Pr >  t	Lag	Variable	Shift
MU	1058.1	3.38193	312.87	<.0001	0	CUST	0
AR1,1	0.28545	0.08493	3.36	0.0008	2	CUST	0
AR1,2	0.23962	0.08649	2.77	0.0056	3	CUST	0
NUM1	-92.74782	4.04920	-22.91	<.0001	0	ind1	0
NUM2	-43.06269	8.53359	-5.05	<.0001	0	ind2	0
NUM3	51.86983	8.25133	6.29	<.0001	0	ind3	0
NUM4	-25.13263	3.17998	-7.90	<.0001	0	ind4	0

Constant Estimate	502.5297
Variance Estimate	77.32863
Std Error Estimate	8.79367
AIC	941.3575
SBC	961.4303
Number of Residuals	130

Correlations of Parameter Estimates

Variable Parameter	CUST MU	CUST AR1,1	CUST AR1,2	ind1 NUM1	ind2 NUM2	ind3 NUM3	ind4 NUM4
CUST MU	1.000	-0.124	-0.112	-0.753	-0.228	-0.012	-0.118
CUST AR1,1	-0.124	1.000	-0.196	0.071	0.079	0.001	0.107
CUST AR1,2	-0.112	-0.196	1.000	0.042	-0.003	0.038	0.163
ind1 NUM1	-0.753	0.071	0.042	1.000	0.253	-0.034	-0.403
ind2 NUM2	-0.228	0.079	-0.003	0.253	1.000	-0.006	-0.063
ind3 NUM3	-0.012	0.001	0.038	-0.034	-0.006	1.000	0.055
ind4 NUM4	-0.118	0.107	0.163	-0.403	-0.063	0.055	1.000

Kentucky Power Company  
Industrial Customers

The ARIMA Procedure

Autocorrelation Check of Residuals

To Lag	Chi-Square	DF	Pr > ChiSq	-----Autocorrelations-----					
6	2.74	4	0.6024	0.119	0.022	0.015	-0.024	-0.029	-0.063
12	5.00	10	0.8910	0.006	-0.011	-0.053	-0.028	-0.090	-0.063
18	7.16	16	0.9700	0.016	0.026	0.007	0.039	0.081	0.071
24	11.29	22	0.9704	-0.013	0.040	0.118	0.044	-0.088	-0.029

Autocorrelation Plot of Residuals

Lag	Covariance	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	Std Error	
0	77.328635	1.00000																						0	
1	9.238512	0.11947												**											0.087706
2	1.663368	0.02151												.											0.088949
3	1.123476	0.01453												.											0.088989
4	-1.861761	-.02408												.											0.089007
5	-2.253595	-.02914												*											0.089057
6	-4.892888	-.06327												*											0.089131
7	0.481983	0.00623												.											0.089475
8	-0.823946	-.01066												.											0.089479
9	-4.121958	-.05330												*											0.089488
10	-2.142843	-.02771												*											0.089732
11	-6.939021	-.08973												**											0.089798
12	-4.833414	-.06250												*											0.090485
13	1.237805	0.01601												.											0.090817
14	2.048652	0.02649												*											0.090839
15	0.554458	0.00717												.											0.090898
16	3.035678	0.03926												*											0.090902
17	6.283744	0.08126												**											0.091033
18	5.503494	0.07117												*											0.091589
19	-1.022910	-.01323												.											0.092013
20	3.059555	0.03957												*											0.092028

Kentucky Power Company  
Industrial Customers

The ARIMA Procedure

Autocorrelation Plot of Residuals

Lag	Covariance	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	Std Error
21	9.103071	0.11772										.	**											0.092159
22	3.389686	0.04383										.	*											0.093308
23	-6.781027	-.08769										.	**											0.093466
24	-2.204303	-.02851										.	*											0.094097

\*,\* marks two standard errors

Inverse Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	
1	-0.09074										.	**											
2	-0.02754										.	*											
3	-0.00583										.												
4	0.04410										.		*										
5	0.00925										.												
6	0.04203										.		*										
7	-0.02789										.		*										
8	0.00466										.												
9	0.02408										.												
10	-0.02230										.												
11	0.06913										.		*										
12	0.04445										.		*										
13	-0.02687										.		*										
14	-0.01253										.												
15	0.00927										.												
16	-0.02978										.		*										
17	-0.04617										.		*										
18	-0.05107										.		*										
19	0.04121										.		*										
20	-0.01299										.												

Kentucky Power Company  
Industrial Customers

The ARIMA Procedure

Inverse Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	
21	-0.09928													. **									
22	-0.04302													. *									
23	0.09380													. **									
24	0.00411													.									

Partial Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	
1	0.11947													. **									
2	0.00734													.									
3	0.01126													.									
4	-0.02767													. *									
5	-0.02374													.									
6	-0.05742													.									
7	0.02214													.									
8	-0.01252													.									
9	-0.05136													.									
10	-0.01956													.									
11	-0.08668													. **									
12	-0.04503													.									
13	0.03036													.									
14	0.02050													.									
15	-0.00882													.									
16	0.03138													.									
17	0.06236													.									
18	0.05168													.									
19	-0.02721													.									
20	0.03690													.									
21	0.10896													.									
22	0.02461													.									

Kentucky Power Company  
Industrial Customers

The ARIMA Procedure

Partial Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	
23	-0.10014									. **													
24	-0.00434									.													

Model for variable CUST

Estimated Intercept 1058.116

Autoregressive Factors

Factor 1:  $1 - 0.28545 B^{**}(2) - 0.23962 B^{**}(3)$

Input Number 1

Input Variable ind1  
Overall Regression Factor -92.7478

Input Number 2

Input Variable ind2  
Overall Regression Factor -43.0627

Input Number 3

Input Variable ind3  
Overall Regression Factor 51.86983



Kentucky Power Company  
Industrial Customers

The ARIMA Procedure

Input Number 4

Input Variable ind4  
Overall Regression Factor -25.1326

Forecasts for variable CUST

Obs	Forecast	Std Error	95% Confidence Limits	
131	968.1278	8.7937	950.8925	985.3631
132	967.4125	8.7937	950.1772	984.6477
133	967.7449	9.1449	948.8212	985.6686
134	966.6128	9.3845	948.2195	985.0062
135	966.5363	9.4119	948.0894	984.9832
136	966.2928	9.4884	947.6959	984.8898
137	965.9997	9.5149	947.3508	984.6486
138	965.9119	9.5288	947.2357	984.5881
139	965.7699	9.5415	947.0689	984.4708
140	965.6746	9.5467	946.9633	984.3858
141	965.6130	9.5504	946.8946	984.3313
142	965.5517	9.5526	946.8289	984.2746
143	965.5113	9.5538	946.7861	984.2365
144	965.4791	9.5546	946.7524	984.2058
145	965.4529	9.5551	946.7253	984.1805
146	965.4340	9.5553	946.7059	984.1621
147	965.4188	9.5555	946.6903	984.1472
148	965.4071	9.5556	946.6785	984.1357
149	965.3982	9.5557	946.6695	984.1270
150	965.3913	9.5557	946.6625	984.1201
151	965.3859	9.5557	946.6571	984.1148
152	965.3818	9.5557	946.6530	984.1107
153	965.3786	9.5557	946.6497	984.1075
154	965.3762	9.5557	946.6473	984.1051
155	965.3743	9.5557	946.6454	984.1032
156	965.3728	9.5557	946.6439	984.1017

Kentucky Power Company  
Industrial Customers

The ARIMA Procedure

Forecasts for variable CUST

Obs	Forecast	Std Error	95% Confidence Limits	
157	965.3717	9.5557	946.6428	984.1006
158	965.3708	9.5557	946.6419	984.0997
159	965.3701	9.5557	946.6412	984.0990
160	965.3696	9.5557	946.6407	984.0985

Kentucky Power Company  
Industrial-Small Mining Customers

The ARIMA Procedure

Maximum Likelihood Estimation

Parameter	Estimate	Standard Error	t Value	Approx Pr >  t	Lag
MU	-1.14745	0.34946	-3.28	0.0010	0
MA1,1	0.63154	0.07316	8.63	<.0001	1

Constant Estimate	-1.14745
Variance Estimate	102.5517
Std Error Estimate	10.12678
AIC	876.2761
SBC	881.8005
Number of Residuals	117

Correlations of Parameter Estimates

Parameter	MU	MA1,1
MU	1.000	-0.017
MA1,1	-0.017	1.000

Kentucky Power Company  
Industrial-Small Mining Customers

The ARIMA Procedure

Autocorrelation Check of Residuals

To Lag	Chi-Square	DF	Pr > ChiSq	-----Autocorrelations-----					
6	2.70	5	0.7456	-0.010	0.030	-0.013	0.049	0.031	-0.131
12	10.02	11	0.5262	-0.045	-0.098	0.156	0.122	0.035	-0.068
18	14.37	17	0.6406	0.084	-0.019	-0.114	-0.099	-0.032	0.025
24	18.66	23	0.7208	0.046	-0.030	0.098	0.080	-0.096	-0.029

Autocorrelation Plot of Residuals

Lag	Covariance	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	Std Error	
0	102.552	1.00000																						0	
1	-1.049289	-.01023																							0.092450
2	3.085133	0.03008												*											0.092460
3	-1.319449	-.01287																							0.092543
4	5.012517	0.04888												*											0.092559
5	3.212241	0.03132												*											0.092779
6	-13.408866	-.13075												***											0.092869
7	-4.642683	-.04527												*											0.094430
8	-10.045163	-.09795												**											0.094615
9	15.969374	0.15572												***											0.095478
10	12.550784	0.12238												**											0.097624
11	3.545918	0.03458												*											0.098927
12	-6.924893	-.06753												*											0.099030
13	8.623430	0.08409												**											0.099423
14	-1.908678	-.01861												*											0.100029
15	-11.670169	-.11380												**											0.100059
16	-10.174575	-.09921												**											0.101159
17	-3.244830	-.03164												*											0.101987
18	2.584804	0.02520												*											0.102071
19	4.732715	0.04615												*											0.102124
20	-3.076723	-.03000												*											0.102302

Kentucky Power Company  
Industrial-Small Mining Customers

The ARIMA Procedure

Autocorrelation Plot of Residuals

Lag	Covariance	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	Std Error
21	10.093903	0.09843										.	**	.										0.102377
22	8.249089	0.08044										.	**	.										0.103183
23	-9.874523	-.09629										.	**	.										0.103718
24	-3.012718	-.02938										.	*	.										0.104479

\*.\* marks two standard errors

Inverse Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	
1	0.03222										.	*	.										
2	-0.09844										.	**	.										
3	-0.04382										.	*	.										
4	-0.08016										.	**	.										
5	-0.08045										.	**	.										
6	0.08465										.	**	.										
7	0.04612										.	*	.										
8	0.18586										.	****	.										
9	-0.07377										.	*	.										
10	-0.16637										.	***	.										
11	-0.02382										.		.										
12	0.08372										.	**	.										
13	-0.11770										.	**	.										
14	0.01567										.		.										
15	0.10365										.	**	.										
16	0.06784										.	*	.										
17	0.02804										.	*	.										
18	-0.03279										.	*	.										
19	-0.04900										.	*	.										
20	0.04560										.	*	.										

Kentucky Power Company  
Industrial-Small Mining Customers

The ARIMA Procedure

Inverse Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	
21	-0.10377																						
22	-0.03594																						
23	0.13828																						
24	0.02507																						

Partial Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	
1	-0.01023																						
2	0.02998																						
3	-0.01227																						
4	0.04779																						
5	0.03309																						
6	-0.13371																						
7	-0.04922																						
8	-0.09421																						
9	0.15467																						
10	0.15088																						
11	0.04450																						
12	-0.08704																						
13	0.05333																						
14	-0.06848																						
15	-0.10874																						
16	-0.05928																						
17	0.02879																						
18	0.02801																						
19	0.05151																						
20	-0.06762																						
21	0.10016																						
22	0.04766																						

Kentucky Power Company  
Industrial-Small Mining Customers

The ARIMA Procedure

Partial Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	
23	-0.16187										.***												
24	-0.02961										.	*											

Model for variable CUST

Estimated Mean -1.14745  
Period(s) of Differencing 1

Moving Average Factors

Factor 1: 1 - 0.63154 B\*\*(1)

Forecasts for variable CUST

Obs	Forecast	Std Error	95% Confidence	Limits
119	462.3010	10.1268	442.4528	482.1491
120	461.1535	10.7923	440.0010	482.3061
121	460.0061	11.4191	437.6250	482.3872
122	458.8586	12.0133	435.3130	482.4043
123	457.7112	12.5794	433.0560	482.3664
124	456.5637	13.1211	430.8468	482.2807
125	455.4163	13.6414	428.6797	482.1529
126	454.2688	14.1425	426.5501	481.9876
127	453.1214	14.6264	424.4541	481.7887
128	451.9740	15.0949	422.3886	481.5593
129	450.8265	15.5492	420.3506	481.3024
130	449.6791	15.9906	418.3380	481.0201
131	448.5316	16.4202	416.3486	480.7146

Kentucky Power Company  
Industrial-Small Mining Customers

The ARIMA Procedure

Forecasts for variable CUST

Obs	Forecast	Std Error	95% Confidence Limits	
132	447.3842	16.8388	414.3807	480.3876
133	446.2367	17.2473	412.4327	480.0407
134	445.0893	17.6463	410.5032	479.6753
135	443.9418	18.0364	408.5911	479.2926
136	442.7944	18.4183	406.6951	478.8937
137	441.6469	18.7925	404.8143	478.4796
138	440.4995	19.1593	402.9479	478.0511
139	439.3520	19.5193	401.0949	477.6092
140	438.2046	19.8727	399.2547	477.1545
141	437.0572	20.2200	397.4267	476.6876
142	435.9097	20.5614	395.6101	476.2093
143	434.7623	20.8972	393.8045	475.7200
144	433.6148	21.2277	392.0092	475.2204
145	432.4674	21.5532	390.2239	474.7108
146	431.3199	21.8738	388.4481	474.1917
147	430.1725	22.1897	386.6814	473.6635
148	429.0250	22.5013	384.9234	473.1267



Kentucky Power Company  
Other Retail Customers

The ARIMA Procedure

Maximum Likelihood Estimation

Parameter	Estimate	Standard Error	t Value	Approx Pr >  t	Lag	Variable	Shift
MU	379.17784	1.35490	279.86	<.0001	0	CUST	0
AR1,1	0.39030	0.08264	4.72	<.0001	1	CUST	0
AR1,2	0.24523	0.08299	2.95	0.0031	3	CUST	0
NUM1	219.94203	3.86641	56.89	<.0001	0	or1	0
NUM2	93.63569	2.31542	40.44	<.0001	0	or2	0
NUM3	151.37355	2.07749	72.86	<.0001	0	or3	0
NUM4	64.53362	1.67351	38.56	<.0001	0	or4	0
NUM5	58.74299	3.12547	18.79	<.0001	0	or5	0

Constant Estimate	138.198
Variance Estimate	11.78395
Std Error Estimate	3.432776
AIC	697.7907
SBC	720.731
Number of Residuals	130

Kentucky Power Company  
Other Retail Customers

The ARIMA Procedure

Correlations of Parameter Estimates

Variable Parameter		CUST MU	CUST AR1,1	CUST AR1,2	or1 NUM1	or2 NUM2	or3 NUM3	or4 NUM4	or5 NUM5
CUST	MU	1.000	0.027	0.049	-0.348	-0.584	-0.642	-0.725	-0.000
CUST	AR1,1	0.027	1.000	-0.317	-0.005	-0.109	-0.004	-0.017	0.068
CUST	AR1,2	0.049	-0.317	1.000	-0.064	-0.143	-0.011	-0.054	0.024
or1	NUM1	-0.348	-0.005	-0.064	1.000	0.449	0.305	0.281	-0.004
or2	NUM2	-0.584	-0.109	-0.143	0.449	1.000	0.586	0.499	-0.018
or3	NUM3	-0.642	-0.004	-0.011	0.305	0.586	1.000	0.508	-0.000
or4	NUM4	-0.725	-0.017	-0.054	0.281	0.499	0.508	1.000	-0.028
or5	NUM5	-0.000	0.068	0.024	-0.004	-0.018	-0.000	-0.028	1.000

Autocorrelation Check of Residuals

To Lag	Chi- Square	DF	Pr > ChiSq	-----Autocorrelations-----					
6	1.54	4	0.8202	-0.017	0.073	0.033	0.036	0.032	-0.048
12	10.03	10	0.4377	-0.008	-0.064	-0.102	0.069	-0.141	-0.141
18	13.45	16	0.6395	-0.076	-0.021	-0.082	-0.078	-0.061	-0.016
24	17.11	22	0.7575	0.030	0.031	-0.097	0.088	-0.043	-0.046

Autocorrelation Plot of Residuals

Lag	Covariance	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	Std Error
0	11.783951	1.00000																						0
1	-0.202486	-.01718																						0.087706
2	0.858852	0.07288													*									0.087732
3	0.390194	0.03311													*									0.088196
4	0.430063	0.03650													*									0.088292
5	0.378569	0.03213													*									0.088408

Kentucky Power Company  
Other Retail Customers

The ARIMA Procedure

Autocorrelation Plot of Residuals

Lag	Covariance	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	Std Error	
6	-0.561216	-.04763																						0.088498	
7	-0.091114	-.00773																							0.088694
8	-0.756419	-.06419																							0.088700
9	-1.199334	-.10178																							0.089056
10	0.813274	0.06902																							0.089947
11	-1.663605	-.14118																							0.090353
12	-1.659414	-.14082																							0.092034
13	-0.900592	-.07643																							0.093677
14	-0.245611	-.02084																							0.094155
15	-0.960433	-.08150																							0.094191
16	-0.915457	-.07769																							0.094732
17	-0.714379	-.06062																							0.095221
18	-0.190341	-.01615																							0.095517
19	0.356874	0.03028																							0.095538
20	0.370662	0.03145																							0.095612
21	-1.146865	-.09732																							0.095691
22	1.035188	0.08785																							0.096450
23	-0.504755	-.04283																							0.097063
24	-0.545747	-.04631																							0.097209

\*.\* marks two standard errors

Kentucky Power Company  
Other Retail Customers

The ARIMA Procedure

Inverse Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	
1	0.07409													*									
2	-0.03123													*									
3	0.10150														**								
4	0.04292														*								
5	0.03102														*								
6	0.11477														**								
7	0.03175														*								
8	0.11827														**								
9	0.15787														***								
10	-0.06104													*									
11	0.11624														***								
12	0.22930														*****								
13	0.05698														*								
14	0.00109																						
15	0.11778														**								
16	0.06726														*								
17	0.08121														**								
18	0.03767														*								
19	-0.04246													*									
20	0.02555														*								
21	0.10179														**								
22	-0.06412													*									
23	0.07894														**								
24	0.11998														**								

Kentucky Power Company  
Other Retail Customers

The ARIMA Procedure

Partial Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	
1	-0.01718										.												
2	0.07261										.		*										
3	0.03572										.		*										
4	0.03261										.		*										
5	0.02864										.		*										
6	-0.05303										.	*											
7	-0.01659										.												
8	-0.06154										.	*											
9	-0.10290										.	**											
10	0.07861										.		**										
11	-0.11922										.	**											
12	-0.15159										.	***											
13	-0.06225										.	*											
14	-0.00489										.												
15	-0.07707										.	**											
16	-0.06417										.	*											
17	-0.07251										.	*											
18	-0.02593										.	*											
19	0.03363										.		*										
20	-0.00822										.												
21	-0.13142										.	***											
22	0.06788										.		*										
23	-0.08118										.	**											
24	-0.14082										.	***											

Model for variable CUST

Estimated Intercept 379.1778

Kentucky Power Company  
Other Retail Customers

The ARIMA Procedure

Autoregressive Factors

Factor 1:  $1 - 0.3903 B^{(1)} - 0.24523 B^{(3)}$

Input Number 1

Input Variable	or1
Overall Regression Factor	219.942

Input Number 2

Input Variable	or2
Overall Regression Factor	93.63569

Input Number 3

Input Variable	or3
Overall Regression Factor	151.3736

Input Number 4

Input Variable	or4
Overall Regression Factor	64.53362

Input Number 5

Input Variable	or5
Overall Regression Factor	58.74299

Kentucky Power Company  
Other Retail Customers

The ARIMA Procedure

Forecasts for variable CUST

Obs	Forecast	Std Error	95% Confidence Limits	
131	379.3100	3.4328	372.5819	386.0382
132	378.4501	3.6850	371.2277	386.6726
133	378.8502	3.7219	371.5554	386.1450
134	379.0824	3.8661	371.5050	386.6597
135	378.9621	3.9356	371.2484	386.6759
136	379.0133	3.9576	371.2566	386.7700
137	379.0902	3.9797	371.2502	386.8902
138	379.0907	3.9945	371.2617	386.9198
139	379.1035	4.0015	371.2607	386.9463
140	379.1273	4.0062	371.2753	386.9794
141	379.1368	4.0094	371.2784	386.9951
142	379.1436	4.0113	371.2817	387.0055
143	379.1521	4.0124	371.2880	387.0162
144	379.1577	4.0131	371.2922	387.0232
145	379.1616	4.0135	371.2952	387.0280
146	379.1652	4.0138	371.2982	387.0321
147	379.1680	4.0140	371.3007	387.0352
148	379.1700	4.0141	371.3025	387.0375
149	379.1717	4.0141	371.3041	387.0393
150	379.1730	4.0142	371.3053	387.0407
151	379.1740	4.0142	371.3063	387.0417
152	379.1748	4.0142	371.3071	387.0426
153	379.1755	4.0142	371.3077	387.0432
154	379.1760	4.0142	371.3082	387.0438
155	379.1764	4.0142	371.3086	387.0442
156	379.1767	4.0142	371.3089	387.0445
157	379.1769	4.0143	371.3091	387.0447
158	379.1771	4.0143	371.3093	387.0449
159	379.1773	4.0143	371.3095	387.0451
160	379.1774	4.0143	371.3096	387.0452

KPC\_Customer\_Model\_Output

YEAR	MONTH	REVCLS	CUST	L95	U95	JURIS
1998	1	1	142740			KPC
1998	1	2	24122			KPC
1998	1	3.1	1068	1039.387	1076.845	KPC
1998	1	3.15	557			KPC
1998	1	3.2				KPC
1998	1	3.25				KPC
1998	1	4	601	591.2521	606.9877	KPC
1998	2	1	142471			KPC
1998	2	2	24003	24014.83	24313.15	KPC
1998	2	3.1	1079	1040.517	1077.772	KPC
1998	2	3.15	583			KPC
1998	2	3.2				KPC
1998	2	3.25				KPC
1998	2	4	475	466.7065	480.6591	KPC
1998	3	1	142614			KPC
1998	3	2	23841	23957.76	24239.15	KPC
1998	3	3.1	1027	1044.872	1080.377	KPC
1998	3	3.15	588			KPC
1998	3	3.2				KPC
1998	3	3.25				KPC
1998	3	4	480	466.9729	480.853	KPC
1998	4	1	142771			KPC
1998	4	2	24158	23839.48	24118.7	KPC
1998	4	3.1	1094	1049.21	1083.681	KPC
1998	4	3.15	651			KPC
1998	4	3.2				KPC
1998	4	3.25				KPC
1998	4	4	477	469.3514	482.8076	KPC
1998	5	1	142280			KPC
1998	5	2	24055	23992.71	24271.62	KPC
1998	5	3.1	1049	1037.003	1071.473	KPC
1998	5	3.15	578			KPC
1998	5	3.2				KPC
1998	5	3.25				KPC
1998	5	4	478	468.2556	481.7118	KPC
1998	6	1	142257			KPC



KPC\_Customer\_Model\_Output

YEAR	MONTH	REVCLS	CUST	L95	U95	JURIS
1998	6	2	24137	23986.88	24265.74	KPC
1998	6	3.1	1064	1043.667	1078.138	KPC
1998	6	3.15	573			KPC
1998	6	3.2				KPC
1998	6	3.25				KPC
1998	6	4	478	469.872	483.3283	KPC
1998	7	1	142397			KPC
1998	7	2	24307	24018.4	24296.41	KPC
1998	7	3.1	1071	1046.877	1081.348	KPC
1998	7	3.15	605			KPC
1998	7	3.2				KPC
1998	7	3.25				KPC
1998	7	4	475	469.1363	482.5926	KPC
1998	8	1	142602			KPC
1998	8	2	24303	24194.37	24467.02	KPC
1998	8	3.1	1059	1040.376	1074.846	KPC
1998	8	3.15	598			KPC
1998	8	3.2				KPC
1998	8	3.25				KPC
1998	8	4	473	468.2107	481.6669	KPC
1998	9	1	142455			KPC
1998	9	2	24368	24265.17	24537.07	KPC
1998	9	3.1	1055	1045.968	1080.439	KPC
1998	9	3.15	561			KPC
1998	9	3.2				KPC
1998	9	3.25				KPC
1998	9	4	467	467.4301	480.8863	KPC
1998	10	1	142643			KPC
1998	10	2	24315	24225.1	24496.9	KPC
1998	10	3.1	1060	1044.22	1078.691	KPC
1998	10	3.15	591			KPC
1998	10	3.2				KPC
1998	10	3.25				KPC
1998	10	4	523	522.0904	535.5467	KPC
1998	11	1	142896			KPC
1998	11	2	24496	24271.04	24542.82	KPC

KPC\_Customer\_Model\_Output

YEAR	MONTH	REVCLS	CUST	L95	U95	JURIS
1998	11	3.1	1080	1040.203	1074.673	KPC
1998	11	3.15	723			KPC
1998	11	3.2				KPC
1998	11	3.25				KPC
1998	11	4	536	520.9217	534.3779	KPC
1998	12	1	143048			KPC
1998	12	2	24450	24359.29	24631.07	KPC
1998	12	3.1	1070	1040.672	1075.142	KPC
1998	12	3.15	589			KPC
1998	12	3.2				KPC
1998	12	3.25				KPC
1998	12	4	525	524.5242	537.9804	KPC
1999	1	1	143197	142178.6	143674.8	KPC
1999	1	2	24422	24345.96	24617.73	KPC
1999	1	3.1	1056	1047.579	1082.049	KPC
1999	1	3.15	605			KPC
1999	1	3.2	5			KPC
1999	1	3.25	2			KPC
1999	1	4	525	519.8047	533.261	KPC
1999	2	1	143168	142599.7	143209.4	KPC
1999	2	2	24467	24358.35	24630.09	KPC
1999	2	3.1	1056	1049.517	1083.987	KPC
1999	2	3.15	596	580.3776	627.3275	KPC
1999	2	3.2	5			KPC
1999	2	3.25	2			KPC
1999	2	4	526	522.9927	536.449	KPC
1999	3	1	143337	142922.4	143512.6	KPC
1999	3	2	24536	24375.05	24646.79	KPC
1999	3	3.1	1056	1043.124	1077.595	KPC
1999	3	3.15	595	577.4515	619.3441	KPC
1999	3	3.2	5			KPC
1999	3	3.25	2			KPC
1999	3	4	526	520.6855	534.1417	KPC
1999	4	1	143195	143098.4	143643.7	KPC
1999	4	2	24622	24458.02	24729.76	KPC
1999	4	3.1	1052	1039.77	1074.24	KPC

KPC\_Customer\_Model\_Output

YEAR	MONTH	REVCLS	CUST	L95	U95	JURIS
1999	4	3.15	589	575.531	616.0275	KPC
1999	4	3.2	5			KPC
1999	4	3.25	2			KPC
1999	4	4	527	520.6855	534.1417	KPC
1999	5	1	142917	142519.9	143065	KPC
1999	5	2	24638	24484.45	24756.19	KPC
1999	5	3.1	1048	1039.77	1074.24	KPC
1999	5	3.15	584	571.964	611.9688	KPC
1999	5	3.2	5			KPC
1999	5	3.25	2			KPC
1999	5	4	527	521.321	534.7773	KPC
1999	6	1	142951	142652.6	143194.9	KPC
1999	6	2	24696	24557.43	24829.17	KPC
1999	6	3.1	1052	1038.628	1073.098	KPC
1999	6	3.15	578	567.8975	607.7152	KPC
1999	6	3.2	5			KPC
1999	6	3.25	2			KPC
1999	6	4	529	521.321	534.7773	KPC
1999	7	1	142955	142706.6	143248.2	KPC
1999	7	2	24793	24612.56	24884.19	KPC
1999	7	3.1	1056	1036.527	1070.998	KPC
1999	7	3.15	571	563.1357	602.8802	KPC
1999	7	3.2	5			KPC
1999	7	3.25	2			KPC
1999	7	4	532	522.3469	535.8031	KPC
1999	8	1	143050	142866.6	143405.8	KPC
1999	8	2	24858	24693.91	24964.99	KPC
1999	8	3.1	1056	1036.711	1071.181	KPC
1999	8	3.15	566	557.56	597.2754	KPC
1999	8	3.2	4			KPC
1999	8	3.25	2			KPC
1999	8	4	530	523.5178	536.974	KPC
1999	9	1	143099	142734.4	143272.1	KPC
1999	9	2	24884	24762.93	25033.93	KPC
1999	9	3.1	1055	1038.811	1073.282	KPC
1999	9	3.15	597	552.2044	591.9083	KPC

KPC\_Customer\_Model\_Output

YEAR	MONTH	REVCLS	CUST	L95	U95	JURIS
1999	9	3.2	5			KPC
1999	9	3.25	2			KPC
1999	9	4	531	523.2276	536.6838	KPC
1999	10	1	143243	142977.4	143502.4	KPC
1999	10	2	25160	24765.85	25036.84	KPC
1999	10	3.1	1057	1039.77	1074.24	KPC
1999	10	3.15	573	560.256	599.9553	KPC
1999	10	3.2	5			KPC
1999	10	3.25	2			KPC
1999	10	4	532	524.3536	537.8098	KPC
1999	11	1	143398	143108.9	143630.3	KPC
1999	11	2	25140	24984.69	25255.67	KPC
1999	11	3.1	1054	1039.484	1073.955	KPC
1999	11	3.15	577	556.4907	596.1881	KPC
1999	11	3.2	5			KPC
1999	11	3.25	2			KPC
1999	11	4	531	524.2534	537.7097	KPC
1999	12	1	143574	143370	143890.9	KPC
1999	12	2	25165	25032.48	25303.46	KPC
1999	12	3.1	1050	1039.815	1074.286	KPC
1999	12	3.15	573	555.587	595.2837	KPC
1999	12	3.2	5			KPC
1999	12	3.25	2			KPC
1999	12	4	531	524.1084	537.5646	KPC
2000	1	1	143869	143502.9	144019.2	KPC
2000	1	2	25331	25079.55	25348.24	KPC
2000	1	3.1	1016	996.3756	1030.846	KPC
2000	1	3.15	571	553.5424	593.2387	KPC
2000	1	3.2	5			KPC
2000	1	3.25	2			KPC
2000	1	4	533	524.3536	537.8098	KPC
2000	2	1	143934	143484.9	143986.7	KPC
2000	2	2	25282	25145.4	25402.06	KPC
2000	2	3.1	973	944.8298	979.3003	KPC
2000	2	3.15	558	551.5142	591.2104	KPC
2000	2	3.2	5			KPC

KPC\_Customer\_Model\_Output

YEAR	MONTH	REVCLS	CUST	L95	U95	JURIS
2000	2	3.25	2			KPC
2000	2	4	530	524.889	538.3452	KPC
2000	3	1	143862	143706.3	144206.6	KPC
2000	3	2	25311	25127.04	25382.12	KPC
2000	3	3.1	966	946.4582	980.9288	KPC
2000	3	3.15	561	545.4433	585.1395	KPC
2000	3	3.2	5			KPC
2000	3	3.25	2			KPC
2000	3	4	530	523.7181	537.1743	KPC
2000	4	1	143461	143614.4	144110.5	KPC
2000	4	2	25327	25252.43	25507.28	KPC
2000	4	3.1	975	950.5381	985.0086	KPC
2000	4	3.15	556	542.7146	582.4109	KPC
2000	4	3.2	5			KPC
2000	4	3.25	2			KPC
2000	4	4	532	524.2085	537.6648	KPC
2000	5	1	143434	143092.3	143588.4	KPC
2000	5	2	25431	25224.33	25479.15	KPC
2000	5	3.1	968	950.1419	984.6124	KPC
2000	5	3.15	549	539.1491	578.8453	KPC
2000	5	3.2	5			KPC
2000	5	3.25	2			KPC
2000	5	4	531	524.2534	537.7097	KPC
2000	6	1	143303	143218.5	143714.7	KPC
2000	6	2	25460	25332.36	25587.18	KPC
2000	6	3.1	958	951.0335	985.5041	KPC
2000	6	3.15	543	534.3181	574.0143	KPC
2000	6	3.2	5			KPC
2000	6	3.25	2			KPC
2000	6	4	534	523.8631	537.3194	KPC
2000	7	1	143298	143006.2	143502.3	KPC
2000	7	2	25553	25399.48	25654.2	KPC
2000	7	3.1	963	951.192	985.6626	KPC
2000	7	3.15	546	529.0564	568.7526	KPC
2000	7	3.2	5			KPC
2000	7	3.25	2			KPC

KPC\_Customer\_Model\_Output

YEAR	MONTH	REVCLS	CUST	L95	U95	JURIS
2000	7	4	534	525.5245	538.9807	KPC
2000	8	1	143438	143223.7	143719.8	KPC
2000	8	2	25605	25449.13	25703.26	KPC
2000	8	3.1	967	946.6602	981.1307	KPC
2000	8	3.15	579	526.8387	566.535	KPC
2000	8	3.2	5			KPC
2000	8	3.25	2			KPC
2000	8	4	532	525.2793	538.7355	KPC
2000	9	1	143541	143199.4	143695.5	KPC
2000	9	2	25597	25504.1	25758.14	KPC
2000	9	3.1	968	945.6912	980.1617	KPC
2000	9	3.15	517	537.5973	577.2936	KPC
2000	9	3.2	5			KPC
2000	9	3.25	2			KPC
2000	9	4	536	525.2344	538.6906	KPC
2000	10	1	143672	143436.4	143932.5	KPC
2000	10	2	25596	25518.43	25772.47	KPC
2000	10	3.1	967	948.0311	982.5016	KPC
2000	10	3.15	549	521.5474	561.2437	KPC
2000	10	3.2	5			KPC
2000	10	3.25	2			KPC
2000	10	4	532	526.7956	540.2518	KPC
2000	11	1	143791	143584.7	144080.8	KPC
2000	11	2	25750	25554.17	25808.2	KPC
2000	11	3.1	967	949.275	983.7456	KPC
2000	11	3.15	525	523.2019	562.8981	KPC
2000	11	3.2	5			KPC
2000	11	3.25	2			KPC
2000	11	4	532	524.7439	538.2001	KPC
2000	12	1	144226	143846.7	144342.8	KPC
2000	12	2	25765	25613.54	25867.57	KPC
2000	12	3.1	965	949.2292	983.6997	KPC
2000	12	3.15	523	515.4038	555.1	KPC
2000	12	3.2	4			KPC
2000	12	3.25	2			KPC
2000	12	4	471	467.987	481.4432	KPC

KPC\_Customer\_Model\_Output

YEAR	MONTH	REVCLS	CUST	L95	U95	JURIS
2001	1	1	144223	144122.5	144618.6	KPC
2001	1	2	25718	25644.59	25898.63	KPC
2001	1	3.1	968	948.9896	983.4601	KPC
2001	1	3.15	538	509.742	549.4383	KPC
2001	1	3.2	4			KPC
2001	1	3.25	2			KPC
2001	1	4	471	465.7328	479.1891	KPC
2001	2	1	144273	144038	144534.1	KPC
2001	2	2	25785	25648.61	25902.65	KPC
2001	2	3.1	970	948.4187	982.8892	KPC
2001	2	3.15	526	511.6933	551.3895	KPC
2001	2	3.2	5			KPC
2001	2	3.25	2			KPC
2001	2	4	446	436.6308	450.087	KPC
2001	3	1	144119	144099.8	144595.9	KPC
2001	3	2	25748	25718.83	25972.86	KPC
2001	3	3.1	966	948.7958	983.2663	KPC
2001	3	3.15	525	508.504	548.2003	KPC
2001	3	3.2	5			KPC
2001	3	3.25	2			KPC
2001	3	4	446	437.4318	450.8881	KPC
2001	4	1	143978	143606.4	144102.5	KPC
2001	4	2	25819	25717.84	25971.87	KPC
2001	4	3.1	969	950.0855	984.5561	KPC
2001	4	3.15	525	506.1215	545.8177	KPC
2001	4	3.2	5			KPC
2001	4	3.25	2			KPC
2001	4	4	445	437.4318	450.8881	KPC
2001	5	1	143932	143601.3	144097.4	KPC
2001	5	2	25876	25720.77	25974.81	KPC
2001	5	3.1	970	949.423	983.8935	KPC
2001	5	3.15	560	504.6168	544.313	KPC
2001	5	3.2	5			KPC
2001	5	3.25	2			KPC
2001	5	4	446	438.0475	451.5037	KPC
2001	6	1	143849	143440.4	143936.5	KPC

KPC\_Customer\_Model\_Output

YEAR	MONTH	REVCLS	CUST	L95	U95	JURIS
2001	6	2	25911	25785	26039.03	KPC
2001	6	3.1	971	949.3208	983.7914	KPC
2001	6	3.15	558	516.5625	556.2588	KPC
2001	6	3.2	5			KPC
2001	6	3.25	2			KPC
2001	6	4	445	438.4378	451.894	KPC
2001	7	1	143853	143622.1	144118.2	KPC
2001	7	2	25942	25860.04	26114.07	KPC
2001	7	3.1	974	950.3252	984.7957	KPC
2001	7	3.15	540	523.3699	563.0661	KPC
2001	7	3.2	5			KPC
2001	7	3.25	2			KPC
2001	7	4	446	437.8022	451.2585	KPC
2001	8	1	143911	143684.7	144180.8	KPC
2001	8	2	25971	25877	26131.04	KPC
2001	8	3.1	974	950.8502	985.3208	KPC
2001	8	3.15	540	521.0367	560.733	KPC
2001	8	3.2	5			KPC
2001	8	3.25	3			KPC
2001	8	4	445	438.4378	451.894	KPC
2001	9	1	144012	143858.4	144354.5	KPC
2001	9	2	26078	25912.35	26166.39	KPC
2001	9	3.1	971	951.9462	986.4168	KPC
2001	9	3.15	540	519.5632	559.2595	KPC
2001	9	3.2	5			KPC
2001	9	3.25	3			KPC
2001	9	4	444	437.8022	451.2585	KPC
2001	10	1	144138	143869.4	144365.5	KPC
2001	10	2	26151	26058.52	26312.55	KPC
2001	10	3.1	969	952.6651	987.1356	KPC
2001	10	3.15	546	518.6327	558.3289	KPC
2001	10	3.2	5			KPC
2001	10	3.25	3			KPC
2001	10	4	444	437.6572	451.1134	KPC
2001	11	1	144214	144040.9	144537	KPC
2001	11	2	26236	26051.73	26305.76	KPC



KPC\_Customer\_Model\_Output

YEAR	MONTH	REVCLS	CUST	L95	U95	JURIS
2001	11	3.1	968	951.8087	986.2793	KPC
2001	11	3.15	548	520.2558	559.952	KPC
2001	11	3.2	5			KPC
2001	11	3.25	3			KPC
2001	11	4	444	437.4119	450.8682	KPC
2001	12	1	144447	144262.1	144758.2	KPC
2001	12	2	26356	26125.97	26380	KPC
2001	12	3.1	964	950.519	984.9895	KPC
2001	12	3.15	538	522.0177	561.7139	KPC
2001	12	3.2	5			KPC
2001	12	3.25	3			KPC
2001	12	4	443	437.1667	450.623	KPC
2002	1	1	144776	144342.4	144838.5	KPC
2002	1	2	26454	26282.63	26536.66	KPC
2002	1	3.1	940	949.7543	984.2248	KPC
2002	1	3.15	540	519.4459	559.1421	KPC
2002	1	3.2	5			KPC
2002	1	3.25	3			KPC
2002	1	4	441	436.7764	450.2327	KPC
2002	2	1	144635	144513.6	145009.7	KPC
2002	2	2	26430	26324.44	26578.47	KPC
2002	2	3.1	959	948.3728	982.8434	KPC
2002	2	3.15	542	518.5586	558.2548	KPC
2002	2	3.2	5			KPC
2002	2	3.25	3			KPC
2002	2	4	438	435.9958	449.452	KPC
2002	3	1	144570	144241.4	144737.5	KPC
2002	3	2	26967	26850.03	27104.06	KPC
2002	3	3.1	964	940.5636	975.0342	KPC
2002	3	3.15	548	518.7351	558.4313	KPC
2002	3	3.2	5			KPC
2002	3	3.25	3			KPC
2002	3	4	439	434.5797	448.0359	KPC
2002	4	1	144471	144168.1	144664.2	KPC
2002	4	2	26499	26370.96	26624.99	KPC
2002	4	3.1	956	940.2362	974.7067	KPC

KPC\_Customer\_Model\_Output

YEAR	MONTH	REVCLS	CUST	L95	U95	JURIS
2002	4	3.15	536	521.0573	560.7536	KPC
2002	4	3.2	5			KPC
2002	4	3.25	3			KPC
2002	4	4	439	434.4795	447.9358	KPC
2002	5	1	144097	144117.5	144613.6	KPC
2002	5	2	26568	26421.3	26675.33	KPC
2002	5	3.1	1017	998.0861	1032.557	KPC
2002	5	3.15	540	518.1024	557.7987	KPC
2002	5	3.2	5			KPC
2002	5	3.25	3			KPC
2002	5	4	439	433.7438	447.2001	KPC
2002	6	1	144170	143893.8	144389.9	KPC
2002	6	2	26594	26452.36	26706.39	KPC
2002	6	3.1	962	945.1308	979.6013	KPC
2002	6	3.15	530	517.7101	557.4064	KPC
2002	6	3.2	5			KPC
2002	6	3.25	3			KPC
2002	6	4	439	433.9891	447.4453	KPC
2002	7	1	144163	143939.7	144435.8	KPC
2002	7	2	26774	26518.92	26772.95	KPC
2002	7	3.1	960	945.82	980.2905	KPC
2002	7	3.15	533	513.7778	553.474	KPC
2002	7	3.2	5			KPC
2002	7	3.25	3			KPC
2002	7	4	439	433.9891	447.4453	KPC
2002	8	1	144235	144004.4	144500.5	KPC
2002	8	2	26798	26651.27	26905.3	KPC
2002	8	3.1	975	947.1143	981.5848	KPC
2002	8	3.15	531	512.3997	552.096	KPC
2002	8	3.2	5			KPC
2002	8	3.25	3			KPC
2002	8	4	438	433.9891	447.4453	KPC
2002	9	1	144234	144013.5	144509.6	KPC
2002	9	2	26840	26691.56	26945.59	KPC
2002	9	3.1	949	920.6607	955.1312	KPC
2002	9	3.15	520	510.7925	550.4887	KPC

KPC\_Customer\_Model\_Output

YEAR	MONTH	REVCLS	CUST	L95	U95	JURIS
2002	9	3.2	5			KPC
2002	9	3.25	3			KPC
2002	9	4	500	492.3417	505.798	KPC
2002	10	1	144277	144184.1	144680.2	KPC
2002	10	2	26773	26727.95	26981.99	KPC
2002	10	3.1	946	924.4632	958.9337	KPC
2002	10	3.15	514	505.7244	545.4207	KPC
2002	10	3.2	5			KPC
2002	10	3.25	3			KPC
2002	10	4	440	434.87	448.3262	KPC
2002	11	1	144470	144229.6	144725.7	KPC
2002	11	2	26847	26757.85	27011.88	KPC
2002	11	3.1	949	927.8099	962.2805	KPC
2002	11	3.15	539	500.313	540.0092	KPC
2002	11	3.2	5			KPC
2002	11	3.25	3			KPC
2002	11	4	440	434.1341	447.5904	KPC
2002	12	1	144696	144499.9	144996	KPC
2002	12	2	26903	26769.28	27023.31	KPC
2002	12	3.1	944	926.7457	961.2163	KPC
2002	12	3.15	523	506.1069	545.8031	KPC
2002	12	3.2	6			KPC
2002	12	3.25	3			KPC
2002	12	4	448	434.9328	448.3891	KPC
2003	1	1	144903	144729.3	145225.4	KPC
2003	1	2	26893	26757.39	27011.42	KPC
2003	1	3.1	942	926.8832	961.3538	KPC
2003	1	3.15	519	503.8706	543.5669	KPC
2003	1	3.2	6			KPC
2003	1	3.25	3			KPC
2003	1	4	451	437.747	451.2032	KPC
2003	2	1	144848	144584.4	145080.5	KPC
2003	2	2	26858	26818.34	27072.38	KPC
2003	2	3.1	941	926.1748	960.6454	KPC
2003	2	3.15	516	500.9845	540.6808	KPC
2003	2	3.2	7			KPC

KPC\_Customer\_Model\_Output

YEAR	MONTH	REVCLS	CUST	L95	U95	JURIS
2003	2	3.25	3			KPC
2003	2	4	454	438.9179	452.3741	KPC
2003	3	1	144700	144541.1	145037.2	KPC
2003	3	2	26904	26774.19	27028.22	KPC
2003	3	3.1	935	924.4058	958.8764	KPC
2003	3	3.15	549	498.0564	537.7527	KPC
2003	3	3.2	7			KPC
2003	3	3.25	3			KPC
2003	3	4	455	442.0507	455.5069	KPC
2003	4	1	144415	144364.7	144860.8	KPC
2003	4	2	26912	26848.86	27102.9	KPC
2003	4	3.1	968	923.6411	958.1117	KPC
2003	4	3.15	525	508.3664	548.0626	KPC
2003	4	3.2	7			KPC
2003	4	3.25	3			KPC
2003	4	4	447	443.1767	456.6329	KPC
2003	5	1	144250	144001.3	144497.4	KPC
2003	5	2	26961	26858.31	27112.34	KPC
2003	5	3.1	933	921.6888	956.1594	KPC
2003	5	3.15	516	506.0345	545.7308	KPC
2003	5	3.2	7			KPC
2003	5	3.25	3			KPC
2003	5	4	447	440.7899	454.2462	KPC
2003	6	1	144177	144074.8	144570.9	KPC
2003	6	2	27000	26877.54	27131.57	KPC
2003	6	3.1	929	929.6709	964.1414	KPC
2003	6	3.15	518	501.2457	540.942	KPC
2003	6	3.2	7			KPC
2003	6	3.25	3			KPC
2003	6	4	446	441.0352	454.4914	KPC
2003	7	1	144130	143933.8	144429.9	KPC
2003	7	2	27038	26917.28	27171.32	KPC
2003	7	3.1	931	927.5877	962.0583	KPC
2003	7	3.15	509	498.9583	538.6546	KPC
2003	7	3.2	7			KPC
2003	7	3.25	3			KPC

KPC\_Customer\_Model\_Output

YEAR	MONTH	REVCLS	CUST	L95	U95	JURIS
2003	7	4	446	438.683	452.1392	KPC
2003	8	1	144290	143999.3	144495.4	KPC
2003	8	2	27940	27783.86	28037.89	KPC
2003	8	3.1	924	918.0592	952.5297	KPC
2003	8	3.15	517	494.1976	533.8939	KPC
2003	8	3.2	7			KPC
2003	8	3.25	3			KPC
2003	8	4	447	438.683	452.1392	KPC
2003	9	1	144411	144092.6	144588.7	KPC
2003	9	2	27992	27859.94	28113.98	KPC
2003	9	3.1	920	917.6716	952.1421	KPC
2003	9	3.15	512	494.1387	533.8349	KPC
2003	9	3.2	7			KPC
2003	9	3.25	3			KPC
2003	9	4	445	438.8281	452.2843	KPC
2003	10	1	144406	144195.8	144691.9	KPC
2003	10	2	28029	27925.84	28179.87	KPC
2003	10	3.1	916	916.1527	950.6232	KPC
2003	10	3.15	502	492.2592	531.9554	KPC
2003	10	3.2	7			KPC
2003	10	3.25	3			KPC
2003	10	4	445	438.0475	451.5037	KPC
2003	11	1	144466	144304.6	144800.7	KPC
2003	11	2	28046	27967.96	28221.99	KPC
2003	11	3.1	922	913.3335	947.8041	KPC
2003	11	3.15	515	487.3876	527.0839	KPC
2003	11	3.2	7			KPC
2003	11	3.25	3			KPC
2003	11	4	445	438.2927	451.7489	KPC
2003	12	1	144850	144586.2	145082.3	KPC
2003	12	2	28110	28007.43	28261.46	KPC
2003	12	3.1	943	911.2332	945.7038	KPC
2003	12	3.15	533	489.101	528.7972	KPC
2003	12	3.2	7			KPC
2003	12	3.25	3			KPC
2003	12	4	444	437.8022	451.2585	KPC

KPC\_Customer\_Model\_Output

YEAR	MONTH	REVCLS	CUST	L95	U95	JURIS
2004	1	1	145096	144808.5	145304.6	KPC
2004	1	2	28131	28054.19	28308.22	KPC
2004	1	3.1	938	911.9874	946.458	KPC
2004	1	3.15	530	496.8153	536.5115	KPC
2004	1	3.2	8			KPC
2004	1	3.25	3			KPC
2004	1	4	443	437.4119	450.8682	KPC
2004	2	1	144846	144726.8	145222.9	KPC
2004	2	2	28104	28030.49	28284.52	KPC
2004	2	3.1	938	919.4196	953.8901	KPC
2004	2	3.15	528	500.5818	540.2781	KPC
2004	2	3.2	8			KPC
2004	2	3.25	3			KPC
2004	2	4	442	437.0216	450.4779	KPC
2004	3	1	144789	144516.7	145012.8	KPC
2004	3	2	28127	28034.35	28288.38	KPC
2004	3	3.1	937	923.0244	957.495	KPC
2004	3	3.15	523	502.2236	541.9199	KPC
2004	3	3.2	8			KPC
2004	3	3.25	3			KPC
2004	3	4	441	436.3861	449.8423	KPC
2004	4	1	144670	144347.7	144843.8	KPC
2004	4	2	28166	28061.09	28315.12	KPC
2004	4	3.1	938	921.8263	956.2969	KPC
2004	4	3.15	523	501.4182	541.1144	KPC
2004	4	3.2	8			KPC
2004	4	3.25	3			KPC
2004	4	4	439	435.7506	449.2068	KPC
2004	5	1	144359	144117.9	144614	KPC
2004	5	2	28189	28107.85	28361.88	KPC
2004	5	3.1	942	921.5409	956.0114	KPC
2004	5	3.15	528	500.9095	540.6058	KPC
2004	5	3.2	8			KPC
2004	5	3.25	3			KPC
2004	5	4	439	434.7247	448.181	KPC
2004	6	1	144117	144047.6	144543.7	KPC

KPC\_Customer\_Model\_Output

YEAR	MONTH	REVCLS	CUST	L95	U95	JURIS
2004	6	2	28233	28116.98	28371.01	KPC
2004	6	3.1	934	921.5867	956.0572	KPC
2004	6	3.15	518	502.4306	542.1268	KPC
2004	6	3.2	8			KPC
2004	6	3.25	3			KPC
2004	6	4	439	434.4795	447.9358	KPC
2004	7	1	144037	143967	144463.1	KPC
2004	7	2	28321	28210.22	28464.25	KPC
2004	7	3.1	935	922.9681	957.4386	KPC
2004	7	3.15	517	499.7066	539.4029	KPC
2004	7	3.2	8			KPC
2004	7	3.25	3			KPC
2004	7	4	442	433.9891	447.4453	KPC
2004	8	1	144066	144042.5	144538.6	KPC
2004	8	2	28361	28245.78	28499.81	KPC
2004	8	3.1	933	921.643	956.1136	KPC
2004	8	3.15	517	497.6179	537.3141	KPC
2004	8	3.2	8			KPC
2004	8	3.25	3			KPC
2004	8	4	444	435.16	448.6162	KPC
2004	9	1	144081	143950.4	144446.5	KPC
2004	9	2	28421	28282.92	28536.95	KPC
2004	9	3.1	932	920.0115	954.482	KPC
2004	9	3.15	516	496.2987	535.995	KPC
2004	9	3.2	8			KPC
2004	9	3.25	3			KPC
2004	9	4	444	435.9406	449.3968	KPC
2004	10	1	144159	143912	144408.1	KPC
2004	10	2	28472	28294.24	28548.28	KPC
2004	10	3.1	933	919.6802	954.1507	KPC
2004	10	3.15	512	495.0972	534.7934	KPC
2004	10	3.2	8			KPC
2004	10	3.25	3			KPC
2004	10	4	444	436.6763	450.1325	KPC
2004	11	1	144360	144023	144519.1	KPC
2004	11	2	28442	28385.36	28639.4	KPC

KPC\_Customer\_Model\_Output

YEAR	MONTH	REVCLS	CUST	L95	U95	JURIS
2004	11	3.1	923	918.9155	953.386	KPC
2004	11	3.15	520	492.8645	532.5607	KPC
2004	11	3.2	8			KPC
2004	11	3.25	3			KPC
2004	11	4	444	437.1667	450.623	KPC
2004	12	1	144623	144396.4	144892.5	KPC
2004	12	2	28496	28387.01	28641.04	KPC
2004	12	3.1	928	918.9613	953.4319	KPC
2004	12	3.15	515	494.4022	534.0984	KPC
2004	12	3.2	8			KPC
2004	12	3.25	3			KPC
2004	12	4	442	437.1667	450.623	KPC
2005	1	1	144900	144648.9	145145	KPC
2005	1	2	28555	28400.02	28654.05	KPC
2005	1	3.1	932	916.3465	950.817	KPC
2005	1	3.15	518	493.5309	533.2272	KPC
2005	1	3.2	8			KPC
2005	1	3.25	3			KPC
2005	1	4	445	436.3861	449.8423	KPC
2005	2	1	144415	144187.3	144683.4	KPC
2005	2	2	28492	28431.01	28685.04	KPC
2005	2	3.1	928	915.3775	949.848	KPC
2005	2	3.15	515	494.0861	533.7824	KPC
2005	2	3.2	8			KPC
2005	2	3.25	3			KPC
2005	2	4	441	437.557	451.0133	KPC
2005	3	1	145259	144859.7	145355.8	KPC
2005	3	2	28726	28429.53	28683.56	KPC
2005	3	3.1	941	917.7174	952.1879	KPC
2005	3	3.15	521	493.3314	533.0276	KPC
2005	3	3.2	8			KPC
2005	3	3.25	3			KPC
2005	3	4	445	435.5054	448.9616	KPC
2005	4	1	144955	144407.4	144903.5	KPC
2005	4	2	28742	28553.97	28808	KPC
2005	4	3.1	928	917.5341	952.0046	KPC



KPC\_Customer\_Model\_Output

YEAR	MONTH	REVCLS	CUST	L95	U95	JURIS
2005	4	3.15	507	495.0655	534.7617	KPC
2005	4	3.2	8			KPC
2005	4	3.25	3			KPC
2005	4	4	451	437.8022	451.2585	KPC
2005	5	1	144302	144273.8	144769.9	KPC
2005	5	2	28820	28654.64	28908.67	KPC
2005	5	3.1	931	920.2864	954.757	KPC
2005	5	3.15	498	491.0022	530.6984	KPC
2005	5	3.2	8			KPC
2005	5	3.25	3			KPC
2005	5	4	443	439.1631	452.6194	KPC
2005	6	1	144342	143939.7	144435.9	KPC
2005	6	2	28921	28717.79	28971.82	KPC
2005	6	3.1	933	919.6907	954.1612	KPC
2005	6	3.15	518	485.1199	524.8162	KPC
2005	6	3.2	8			KPC
2005	6	3.25	3			KPC
2005	6	4	444	437.0216	450.4779	KPC
2005	7	1	144274	144057.3	144553.4	KPC
2005	7	2	28896	28797.78	29051.81	KPC
2005	7	3.1	929	917.4319	951.9025	KPC
2005	7	3.15	511	488.7742	528.4705	KPC
2005	7	3.2	8			KPC
2005	7	3.25	3			KPC
2005	7	4	445	438.8833	452.3396	KPC
2005	8	1	144231	143986.6	144482.7	KPC
2005	8	2	28995	28855.3	29109.34	KPC
2005	8	3.1	934	918.7217	953.1923	KPC
2005	8	3.15	522	488.5028	528.1991	KPC
2005	8	3.2	8			KPC
2005	8	3.25	3			KPC
2005	8	4	385	372.7782	386.2344	KPC
2005	9	1	144191	144020.9	144517	KPC
2005	9	2	29068	28866.73	29120.77	KPC
2005	9	3.1	936	918.0592	952.5297	KPC
2005	9	3.15	513	492.3845	532.0807	KPC

KPC\_Customer\_Model\_Output

YEAR	MONTH	REVCLS	CUST	L95	U95	JURIS
2005	9	3.2	8			KPC
2005	9	3.25	3			KPC
2005	9	4	381	374.7929	388.2491	KPC
2005	10	1	144223	143987.5	144483.6	KPC
2005	10	2	29079	28956.04	29210.08	KPC
2005	10	3.1	937	918.5279	952.9985	KPC
2005	10	3.15	516	491.5198	531.216	KPC
2005	10	3.2	8			KPC
2005	10	3.25	3			KPC
2005	10	4	381	373.4769	386.9331	KPC
2005	11	1	144419	144183.5	144679.6	KPC
2005	11	2	29040	28979.25	29233.29	KPC
2005	11	3.1	935	920.2969	954.7675	KPC
2005	11	3.15	506	492.0791	531.7753	KPC
2005	11	3.2	8			KPC
2005	11	3.25	3			KPC
2005	11	4	386	374.5887	388.0449	KPC
2005	12	1	144641	144355.1	144851.2	KPC
2005	12	2	29064	28974.75	29228.78	KPC
2005	12	3.1	940	921.0616	955.5322	KPC
2005	12	3.15	506	488.7477	528.444	KPC
2005	12	3.2	8			KPC
2005	12	3.25	3			KPC
2005	12	4	382	375.5593	389.0155	KPC
2006	1	1	144830	144722.1	145218.2	KPC
2006	1	2	29121	29000.31	29254.35	KPC
2006	1	3.1	947	920.7303	955.2009	KPC
2006	1	3.15	505	486.6438	526.3401	KPC
2006	1	3.2	8			KPC
2006	1	3.25	3			KPC
2006	1	4	380	373.9981	387.4543	KPC
2006	2	1	144530	144137.1	144633.2	KPC
2006	2	2	29047	29004.89	29258.92	KPC
2006	2	3.1	938	921.6783	956.1489	KPC
2006	2	3.15	504	484.9466	524.6429	KPC
2006	2	3.2	8			KPC

KPC\_Customer\_Model\_Output

YEAR	MONTH	REVCLS	CUST	L95	U95	JURIS
2006	2	3.25	3			KPC
2006	2	4	381	374.4436	387.8999	KPC
2006	3	1	145013	144928.4	145424.5	KPC
2006	3	2	29187	28981.45	29235.48	KPC
2006	3	3.1	952	924.8746	959.3451	KPC
2006	3	3.15	509	483.5064	523.2026	KPC
2006	3	3.2	8			KPC
2006	3	3.25	3			KPC
2006	3	4	383	373.853	387.3092	KPC
2006	4	1	144560	144494.4	144990.5	KPC
2006	4	2	29148	29077.5	29331.53	KPC
2006	4	3.1	945	923.9829	958.4535	KPC
2006	4	3.15	499	484.4391	524.1353	KPC
2006	4	3.2	8			KPC
2006	4	3.25	3			KPC
2006	4	4	381	374.1431	387.5994	KPC
2006	5	1	144258	143936	144432.1	KPC
2006	5	2	29245	29093.59	29347.62	KPC
2006	5	3.1	942	925.8226	960.2931	KPC
2006	5	3.15	497	481.3435	521.0397	KPC
2006	5	3.2	8			KPC
2006	5	3.25	3			KPC
2006	5	4	379	373.6078	387.064	KPC
2006	6	1	144120	143964	144460.1	KPC
2006	6	2	29278	29157.1	29411.14	KPC
2006	6	3.1	954	927.1792	961.6497	KPC
2006	6	3.15	499	478.6516	518.3479	KPC
2006	6	3.2	8			KPC
2006	6	3.25	3			KPC
2006	6	4	380	373.3176	386.7739	KPC
2006	7	1	144118	143777.1	144273.3	KPC
2006	7	2	29279	29206.7	29460.74	KPC
2006	7	3.1	946	924.6455	959.116	KPC
2006	7	3.15	505	477.6885	517.3847	KPC
2006	7	3.2	8			KPC
2006	7	3.25	3			KPC

KPC\_Customer\_Model\_Output

YEAR	MONTH	REVCLS	CUST	L95	U95	JURIS
2006	7	4	381	373.2175	386.6737	KPC
2006	8	1	144248	143859.5	144355.6	KPC
2006	8	2	29339	29234.21	29488.25	KPC
2006	8	3.1	941	927.352	961.8225	KPC
2006	8	3.15	510	479.291	518.9872	KPC
2006	8	3.2	8			KPC
2006	8	3.25	3			KPC
2006	8	4	381	373.1173	386.5735	KPC
2006	9	1	144269	143961.4	144457.5	KPC
2006	9	2	29384	29245.75	29499.78	KPC
2006	9	3.1	941	927.9439	962.4144	KPC
2006	9	3.15	508	482.1453	521.8416	KPC
2006	9	3.2	8			KPC
2006	9	3.25	3			KPC
2006	9	4	379	373.3625	386.8188	KPC
2006	10	1	144313	144041.9	144538	KPC
2006	10	2	29597	29315.51	29569.55	KPC
2006	10	3.1	941	924.5996	959.0702	KPC
2006	10	3.15	511	483.211	522.9073	KPC
2006	10	3.2	8			KPC
2006	10	3.25	3			KPC
2006	10	4	379	372.8272	386.2834	KPC
2006	11	1	144545	144249.7	144745.8	KPC
2006	11	2	29433	29414.07	29668.11	KPC
2006	11	3.1	944	923.4015	957.8721	KPC
2006	11	3.15	507	484.9895	524.6857	KPC
2006	11	3.2	8			KPC
2006	11	3.25	3			KPC
2006	11	4	380	372.8272	386.2834	KPC
2006	12	1	144554	144602.5	145098.6	KPC
2006	12	2	29354	29395.46	29649.5	KPC
2006	12	3.1	944	923.4015	957.8721	KPC
2006	12	3.15	503	484.6388	524.335	KPC
2006	12	3.2	8			KPC
2006	12	3.25	3			KPC
2006	12	4	380	372.727	386.1832	KPC

KPC\_Customer\_Model\_Output

YEAR	MONTH	REVCLS	CUST	L95	U95	JURIS
2007	1	1	144815	144541.3	145037.4	KPC
2007	1	2	29460	29351.69	29605.72	KPC
2007	1	3.1	949	924.2579	958.7284	KPC
2007	1	3.15	500	482.9435	522.6397	KPC
2007	1	3.2	8			KPC
2007	1	3.25	3			KPC
2007	1	4	378	372.727	386.1832	KPC
2007	2	1	144843	144608.5	145104.6	KPC
2007	2	2	29416	29340.64	29594.68	KPC
2007	2	3.1	943	924.9767	959.4473	KPC
2007	2	3.15	493	480.7674	520.4637	KPC
2007	2	3.2	8			KPC
2007	2	3.25	3			KPC
2007	2	4	376	372.1916	385.6479	KPC
2007	3	1	144494	144435.7	144931.8	KPC
2007	3	2	29460	29419.6	29673.63	KPC
2007	3	3.1	938	926.404	960.8745	KPC
2007	3	3.15	497	476.814	516.5102	KPC
2007	3	3.2	8			KPC
2007	3	3.25	3			KPC
2007	3	4	376	371.411	384.8673	KPC
2007	4	1	144179	144219.2	144715.3	KPC
2007	4	2	29427	29361.69	29615.73	KPC
2007	4	3.1	935	925.8894	960.3599	KPC
2007	4	3.15	488	475.791	515.4873	KPC
2007	4	3.2	8			KPC
2007	4	3.25	3			KPC
2007	4	4	374	370.9206	384.3768	KPC
2007	5	1	143841	143695.4	144191.5	KPC
2007	5	2	29570	29417.97	29672	KPC
2007	5	3.1	931	923.0244	957.495	KPC
2007	5	3.15	484	471.8289	511.5251	KPC
2007	5	3.2	8			KPC
2007	5	3.25	3			KPC
2007	5	4	374	369.6495	383.1057	KPC
2007	6	1	143743	143610.3	144106.5	KPC

KPC\_Customer\_Model\_Output

YEAR	MONTH	REVCLS	CUST	L95	U95	JURIS
2007	6	2	29678	29524.03	29778.06	KPC
2007	6	3.1	944	920.97	955.4405	KPC
2007	6	3.15	481	467.8528	507.549	KPC
2007	6	3.2	8			KPC
2007	6	3.25	3			KPC
2007	6	4	373	369.6495	383.1057	KPC
2007	7	1	143666	143444.1	143940.2	KPC
2007	7	2	29736	29546.15	29800.19	KPC
2007	7	3.1	941	919.1093	953.5798	KPC
2007	7	3.15	491	464.2363	503.9326	KPC
2007	7	3.2	8			KPC
2007	7	3.25	3			KPC
2007	7	4	372	368.7687	382.225	KPC
2007	8	1	143970	143577.1	144073.2	KPC
2007	8	2	29828	29658.08	29912.11	KPC
2007	8	3.1	941	921.8616	956.3322	KPC
2007	8	3.15	490	465.637	505.3332	KPC
2007	8	3.2	8			KPC
2007	8	3.25	3			KPC
2007	8	4	365	368.3784	381.8347	KPC
2007	9	1	144118	143702.8	144198.9	KPC
2007	9	2	29876	29752.28	30006.31	KPC
2007	9	3.1	942	924.1204	958.5909	KPC
2007	9	3.15	485	466.1531	505.8493	KPC
2007	9	3.2	8			KPC
2007	9	3.25	3			KPC
2007	9	4	388	365.4011	378.8573	KPC
2007	10	1	144087	143828.7	144324.8	KPC
2007	10	2	29925	29795.7	30049.73	KPC
2007	10	3.1	936	923.4015	957.8721	KPC
2007	10	3.15	480	464.6367	504.333	KPC
2007	10	3.2	8			KPC
2007	10	3.25	3			KPC
2007	10	4	377	374.1328	387.589	KPC
2007	11	1	144181	144117.9	144614	KPC
2007	11	2	29935	29790.89	30044.92	KPC

KPC\_Customer\_Model\_Output

YEAR	MONTH	REVCLS	CUST	L95	U95	JURIS
2007	11	3.1	937	923.687	958.1575	KPC
2007	11	3.15	476	461.8368	501.533	KPC
2007	11	3.2	8			KPC
2007	11	3.25	3			KPC
2007	11	4	374	368.1229	381.5791	KPC
2007	12	1	144542	144158.1	144654.2	KPC
2007	12	2	29922	29827.16	30081.2	KPC
2007	12	3.1	935	922.2139	956.6844	KPC
2007	12	3.15	471	458.5947	498.2909	KPC
2007	12	3.2	8			KPC
2007	12	3.25	3			KPC
2007	12	4	373	372.5923	386.0485	KPC
2008	1	1	144825	144529.4	145025.5	KPC
2008	1	2	29969	29845.77	30099.8	KPC
2008	1	3.1	937	921.0616	955.5322	KPC
2008	1	3.15	473	454.7049	494.4011	KPC
2008	1	3.2	8			KPC
2008	1	3.25	3			KPC
2008	1	4	380	369.5044	382.9607	KPC
2008	2	1	144690	144440.1	144936.2	KPC
2008	2	2	29955	29837.63	30091.67	KPC
2008	2	3.1	940	920.7303	955.2009	KPC
2008	2	3.15	475	452.9852	492.6815	KPC
2008	2	3.2	8			KPC
2008	2	3.25	3			KPC
2008	2	4	379	371.5008	384.9571	KPC
2008	3	1	144365	144190.6	144686.7	KPC
2008	3	2	29975	29909.58	30163.61	KPC
2008	3	3.1	952	920.822	955.2925	KPC
2008	3	3.15	469	452.6361	492.3323	KPC
2008	3	3.2	8			KPC
2008	3	3.25	3			KPC
2008	3	4	376	370.8653	384.3215	KPC
2008	4	1	143988	143902.5	144398.6	KPC
2008	4	2	30023	29880.63	30134.66	KPC
2008	4	3.1	947	922.1576	956.6281	KPC

KPC\_Customer\_Model\_Output

YEAR	MONTH	REVCLS	CUST	L95	U95	JURIS
2008	4	3.15	462	450.2049	489.9011	KPC
2008	4	3.2	8			KPC
2008	4	3.25	3			KPC
2008	4	4	383	371.411	384.8673	KPC
2008	5	1	143799	143482.9	143979	KPC
2008	5	2	30069	29952.4	30206.43	KPC
2008	5	3.1	948	926.3018	960.7724	KPC
2008	5	3.15	461	446.0902	485.7865	KPC
2008	5	3.2	8			KPC
2008	5	3.25	3			KPC
2008	5	4	374	373.8979	387.3541	KPC
2008	6	1	143710	143366.1	143862.2	KPC
2008	6	2	30080	29995.44	30249.47	KPC
2008	6	3.1	956	927.7501	962.2206	KPC
2008	6	3.15	460	443.1232	482.8194	KPC
2008	6	3.2	8			KPC
2008	6	3.25	3			KPC
2008	6	4	373	369.6495	383.1057	KPC
2008	7	1	143789	143347.1	143843.2	KPC
2008	7	2	29341	29212.67	29466.7	KPC
2008	7	3.1	957	926.8374	961.3079	KPC
2008	7	3.15	466	440.8809	480.5772	KPC
2008	7	3.2	8			KPC
2008	7	3.25	3			KPC
2008	7	4	386	370.9758	384.4321	KPC
2008	8	1	143832	143682.4	144178.5	KPC
2008	8	2	29387	29265.13	29519.16	KPC
2008	8	3.1	951	929.3606	963.8311	KPC
2008	8	3.15	460	441.6756	481.3719	KPC
2008	8	3.2	8			KPC
2008	8	3.25	3			KPC
2008	8	4	380	373.8426	387.2989	KPC
2008	9	1	143855	143714.9	144211	KPC
2008	9	2	29479	29317.52	29571.55	KPC
2008	9	3.1	966	956.6957	991.1662	KPC
2008	9	3.15	464	439.9667	479.663	KPC



KPC\_Customer\_Model\_Output

YEAR	MONTH	REVCLS	CUST	L95	U95	JURIS
2008	9	3.2	8			KPC
2008	9	3.25	3			KPC
2008	9	4	376	371.2556	384.7118	KPC
2008	10	1	143884	143755.9	144252	KPC
2008	10	2	29482	29433.99	29688.02	KPC
2008	10	3.1	972	955.2226	989.6931	KPC
2008	10	3.15	469	440.3613	480.0576	KPC
2008	10	3.2	8			KPC
2008	10	3.25	3			KPC
2008	10	4	379	372.8824	386.3386	KPC
2008	11	1	144024.4	143776.4	144272.5	KPC
2008	11	2	29484.23	29357.21	29611.25	KPC
2008	11	3.1	968.1278	950.8925	985.3631	KPC
2008	11	3.15	462.301	442.4528	482.1491	KPC
2008	11	3.2				KPC
2008	11	3.25				KPC
2008	11	4	379.31	372.5819	386.0382	KPC
2008	12	1	144277.7	143990.8	144564.6	KPC
2008	12	2	29489.34	29339.9	29638.78	KPC
2008	12	3.1	967.4125	950.1772	984.6477	KPC
2008	12	3.15	461.1535	440.001	482.3061	KPC
2008	12	3.2				KPC
2008	12	3.25				KPC
2008	12	4	378.4501	371.2277	385.6726	KPC
2009	1	1	144480	144181.1	144778.9	KPC
2009	1	2	29550.22	29381.3	29719.14	KPC
2009	1	3.1	967.7449	949.8212	985.6686	KPC
2009	1	3.15	460.0061	437.625	482.3872	KPC
2009	1	3.2				KPC
2009	1	3.25				KPC
2009	1	4	378.8502	371.5554	386.145	KPC
2009	2	1	144469.9	144135.6	144804.2	KPC
2009	2	2	29562.18	29375.81	29748.55	KPC
2009	2	3.1	966.6128	948.2195	985.0062	KPC
2009	2	3.15	458.8586	435.313	482.4043	KPC
2009	2	3.2				KPC

KPC\_Customer\_Model\_Output

YEAR	MONTH	REVCLS	CUST	L95	U95	JURIS
2009	2	3.25				KPC
2009	2	4	379.0824	371.505	386.6597	KPC
2009	3	1	144141.6	143776.9	144506.2	KPC
2009	3	2	29594.1	29391.78	29796.42	KPC
2009	3	3.1	966.5363	948.0894	984.9832	KPC
2009	3	3.15	457.7112	433.056	482.3664	KPC
2009	3	3.2				KPC
2009	3	3.25				KPC
2009	3	4	378.9621	371.2484	386.6759	KPC
2009	4	1	143821.1	143437.6	144204.7	KPC
2009	4	2	29631.42	29414.31	29848.52	KPC
2009	4	3.1	966.2928	947.6959	984.8898	KPC
2009	4	3.15	456.5637	430.8468	482.2807	KPC
2009	4	3.2				KPC
2009	4	3.25				KPC
2009	4	4	379.0133	371.2566	386.77	KPC
2009	5	1	143603.4	143213.3	143993.5	KPC
2009	5	2	29701.94	29478.98	29924.9	KPC
2009	5	3.1	965.9997	947.3508	984.6486	KPC
2009	5	3.15	455.4163	428.6797	482.1529	KPC
2009	5	3.2				KPC
2009	5	3.25				KPC
2009	5	4	379.0902	371.2902	386.8902	KPC
2009	6	1	143530.5	143127.6	143933.4	KPC
2009	6	2	29766.04	29534.78	29997.3	KPC
2009	6	3.1	965.9119	947.2357	984.5881	KPC
2009	6	3.15	454.2688	426.5501	481.9876	KPC
2009	6	3.2				KPC
2009	6	3.25				KPC
2009	6	4	379.0907	371.2617	386.9198	KPC
2009	7	1	143572.8	143165.7	143979.9	KPC
2009	7	2	29814.57	29575.3	30053.85	KPC
2009	7	3.1	965.7699	947.0689	984.4708	KPC
2009	7	3.15	453.1214	424.4541	481.7887	KPC
2009	7	3.2				KPC
2009	7	3.25				KPC

KPC\_Customer\_Model\_Output

YEAR	MONTH	REVCLS	CUST	L95	U95	JURIS
2009	7	4	379.1035	371.2607	386.9463	KPC
2009	8	1	143694.3	143282.3	144106.2	KPC
2009	8	2	29874.22	29627.2	30121.25	KPC
2009	8	3.1	965.6746	946.9633	984.3858	KPC
2009	8	3.15	451.974	422.3886	481.5593	KPC
2009	8	3.2				KPC
2009	8	3.25				KPC
2009	8	4	379.1273	371.2753	386.9794	KPC
2009	9	1	143778	143358.8	144197.1	KPC
2009	9	2	29920.73	29666.19	30175.26	KPC
2009	9	3.1	965.613	946.8946	984.3313	KPC
2009	9	3.15	450.8265	420.3506	481.3024	KPC
2009	9	3.2				KPC
2009	9	3.25				KPC
2009	9	4	379.1368	371.2784	386.9951	KPC
2009	10	1	143753.8	143329	144178.6	KPC
2009	10	2	29960.37	29698.53	30222.2	KPC
2009	10	3.1	965.5517	946.8289	984.2746	KPC
2009	10	3.15	449.6791	418.338	481.0201	KPC
2009	10	3.2				KPC
2009	10	3.25				KPC
2009	10	4	379.1436	371.2817	387.0055	KPC
2009	11	1	143890.6	143398.4	144382.8	KPC
2009	11	2	29992.61	29722.2	30263.02	KPC
2009	11	3.1	965.5113	946.7861	984.2365	KPC
2009	11	3.15	448.5316	416.3486	480.7146	KPC
2009	11	3.2				KPC
2009	11	3.25				KPC
2009	11	4	379.1521	371.288	387.0162	KPC
2009	12	1	144167.3	143644.5	144690	KPC
2009	12	2	30015.35	29737.19	30293.52	KPC
2009	12	3.1	965.4791	946.7524	984.2058	KPC
2009	12	3.15	447.3842	414.3807	480.3876	KPC
2009	12	3.2				KPC
2009	12	3.25				KPC
2009	12	4	379.1577	371.2922	387.0232	KPC

KPC\_Customer\_Model\_Output

YEAR	MONTH	REVCLS	CUST	L95	U95	JURIS
2010	1	1	144413.4	143868.6	144958.2	KPC
2010	1	2	30058.94	29773.23	30344.65	KPC
2010	1	3.1	965.4529	946.7253	984.1805	KPC
2010	1	3.15	446.2367	412.4327	480.0407	KPC
2010	1	3.2				KPC
2010	1	3.25				KPC
2010	1	4	379.1616	371.2952	387.028	KPC
2010	2	1	144345.6	143768.4	144922.7	KPC
2010	2	2	30081.05	29788	30374.11	KPC
2010	2	3.1	965.434	946.7059	984.1621	KPC
2010	2	3.15	445.0893	410.5032	479.6753	KPC
2010	2	3.2				KPC
2010	2	3.25				KPC
2010	2	4	379.1652	371.2982	387.0321	KPC
2010	3	1	144014.8	143406.7	144623	KPC
2010	3	2	30114.71	29814.48	30414.93	KPC
2010	3	3.1	965.4188	946.6903	984.1472	KPC
2010	3	3.15	443.9418	408.5911	479.2926	KPC
2010	3	3.2				KPC
2010	3	3.25				KPC
2010	3	4	379.168	371.3007	387.0352	KPC
2010	4	1	143677.4	143044.8	144310	KPC
2010	4	2	30159.9	29852.67	30467.13	KPC
2010	4	3.1	965.4071	946.6785	984.1357	KPC
2010	4	3.15	442.7944	406.6951	478.8937	KPC
2010	4	3.2				KPC
2010	4	3.25				KPC
2010	4	4	379.17	371.3025	387.0375	KPC
2010	5	1	143461.5	142810.4	144112.5	KPC
2010	5	2	30202.96	29889.16	30516.75	KPC
2010	5	3.1	965.3982	946.6695	984.127	KPC
2010	5	3.15	441.6469	404.8143	478.4796	KPC
2010	5	3.2				KPC
2010	5	3.25				KPC
2010	5	4	379.1717	371.3041	387.0393	KPC
2010	6	1	143392	142719.7	144064.3	KPC

KPC\_Customer\_Model\_Output

YEAR	MONTH	REVCLS	CUST	L95	U95	JURIS
2010	6	2	30233.87	29913.54	30554.2	KPC
2010	6	3.1	965.3913	946.6625	984.1201	KPC
2010	6	3.15	440.4995	402.9479	478.0511	KPC
2010	6	3.2				KPC
2010	6	3.25				KPC
2010	6	4	379.173	371.3053	387.0407	KPC
2010	7	1	143440	142752.8	144127.2	KPC
2010	7	2	30276.95	29950.21	30603.69	KPC
2010	7	3.1	965.3859	946.6571	984.1148	KPC
2010	7	3.15	439.352	401.0949	477.6092	KPC
2010	7	3.2				KPC
2010	7	3.25				KPC
2010	7	4	379.174	371.3063	387.0417	KPC
2010	8	1	143549.2	142846.8	144251.6	KPC
2010	8	2	30320.36	29987.34	30653.38	KPC
2010	8	3.1	965.3818	946.653	984.1107	KPC
2010	8	3.15	438.2046	399.2547	477.1545	KPC
2010	8	3.2				KPC
2010	8	3.25				KPC
2010	8	4	379.1748	371.3071	387.0426	KPC
2010	9	1	143609.2	142891.8	144326.7	KPC
2010	9	2	30380.24	30041.06	30719.42	KPC
2010	9	3.1	965.3786	946.6497	984.1075	KPC
2010	9	3.15	437.0572	397.4267	476.6876	KPC
2010	9	3.2				KPC
2010	9	3.25				KPC
2010	9	4	379.1755	371.3077	387.0432	KPC
2010	10	1	143620.9	142889.4	144352.4	KPC
2010	10	2	30408.14	30062.9	30753.38	KPC
2010	10	3.1	965.3762	946.6473	984.1051	KPC
2010	10	3.15	435.9097	395.6101	476.2093	KPC
2010	10	3.2				KPC
2010	10	3.25				KPC
2010	10	4	379.176	371.3082	387.0438	KPC
2010	11	1	143762.5	142957.5	144567.5	KPC
2010	11	2	30436.08	30073.79	30798.36	KPC

KPC\_Customer\_Model\_Output

YEAR	MONTH	REVCLS	CUST	L95	U95	JURIS
2010	11	3.1	965.3743	946.6454	984.1032	KPC
2010	11	3.15	434.7623	393.8045	475.72	KPC
2010	11	3.2				KPC
2010	11	3.25				KPC
2010	11	4	379.1764	371.3086	387.0442	KPC
2010	12	1	144037.8	143193.4	144882.1	KPC
2010	12	2	30464.97	30091.06	30838.89	KPC
2010	12	3.1	965.3728	946.6439	984.1017	KPC
2010	12	3.15	433.6148	392.0092	475.2204	KPC
2010	12	3.2				KPC
2010	12	3.25				KPC
2010	12	4	379.1767	371.3089	387.0445	KPC
2011	1	1	144271.8	143401.7	145141.8	KPC
2011	1	2	30513.67	30128.47	30898.87	KPC
2011	1	3.1	965.3717	946.6428	984.1006	KPC
2011	1	3.15	432.4674	390.2239	474.7108	KPC
2011	1	3.2				KPC
2011	1	3.25				KPC
2011	1	4	379.1769	371.3091	387.0447	KPC
2011	2	1	144228	143320.3	145135.8	KPC
2011	2	2	30544.99	30148.83	30941.15	KPC
2011	2	3.1	965.3708	946.6419	984.0997	KPC
2011	2	3.15	431.3199	388.4481	474.1917	KPC
2011	2	3.2				KPC
2011	2	3.25				KPC
2011	2	4	379.1771	371.3093	387.0449	KPC
2011	3	1	143906.1	142962.5	144849.7	KPC
2011	3	2	30583.38	30176.55	30990.2	KPC
2011	3	3.1	965.3701	946.6412	984.099	KPC
2011	3	3.15	430.1725	386.6814	473.6635	KPC
2011	3	3.2				KPC
2011	3	3.25				KPC
2011	3	4	379.1773	371.3095	387.0451	KPC
2011	4	1	143571.4	142598.9	144543.9	KPC
2011	4	2	30623.76	30206.53	31040.98	KPC
2011	4	3.1	965.3696	946.6407	984.0985	KPC

KPC\_Customer\_Model\_Output

YEAR	MONTH	REVCLS	CUST	L95	U95	JURIS
2011	4	3.15	429.025	384.9234	473.1267	KPC
2011	4	3.2				KPC
2011	4	3.25				KPC
2011	4	4	379.1774	371.3096	387.0452	KPC
2011	5	1				KPC
2011	5	2				KPC
2011	5	3.1				KPC
2011	5	3.15				KPC
2011	5	3.2				KPC
2011	5	3.25				KPC
2011	5	4				KPC
2011	6	1				KPC
2011	6	2				KPC
2011	6	3.1				KPC
2011	6	3.15				KPC
2011	6	3.2				KPC
2011	6	3.25				KPC
2011	6	4				KPC
2011	7	1				KPC
2011	7	2				KPC
2011	7	3.1				KPC
2011	7	3.15				KPC
2011	7	3.2				KPC
2011	7	3.25				KPC
2011	7	4				KPC
2011	8	1				KPC
2011	8	2				KPC
2011	8	3.1				KPC
2011	8	3.15				KPC
2011	8	3.2				KPC
2011	8	3.25				KPC
2011	8	4				KPC
2011	9	1				KPC
2011	9	2				KPC
2011	9	3.1				KPC
2011	9	3.15				KPC

KPC\_Customer\_Model\_Output

YEAR	MONTH	REVCLS	CUST	L95	U95	JURIS
2011	9		3.2			KPC
2011	9		3.25			KPC
2011	9		4			KPC
2011	10		1			KPC
2011	10		2			KPC
2011	10		3.1			KPC
2011	10		3.15			KPC
2011	10		3.2			KPC
2011	10		3.25			KPC
2011	10		4			KPC
2011	11		1			KPC
2011	11		2			KPC
2011	11		3.1			KPC
2011	11		3.15			KPC
2011	11		3.2			KPC
2011	11		3.25			KPC
2011	11		4			KPC
2011	12		1			KPC
2011	12		2			KPC
2011	12		3.1			KPC
2011	12		3.15			KPC
2011	12		3.2			KPC
2011	12		3.25			KPC
2011	12		4			KPC



## SHORT-TERM USAGE

Kentucky Power Company  
Usage Models

Revcls-Revenue Class

- 1-Residential
- 2-Commercial
- 3.1 Small Industrial
- 3.15 Small Mine Power
- 3.2 Large Industrial
- 3.25 Large Mine Power
- 3.4 Other Retail

bcdd65-Cooling degree days base 65

bcdd70-Cooling degree days base 70

bhdd65-Heating degree days base 65

bhdd55-Heating degree days base 55

kwh-energy in kWh

cust-customers

met\_day-number of billing days

usage-energy per customer

ind1, ind2, ind3, ind4, ind5, ind6, ind7, ind8, min1, min2, or1, or2, or3, or4, or5, im1

Binary Variables

KPC\_Use\_Model\_Input

YEAR	MONTH	bcdd65	bcdd70	bhdd65	bhdd55	REVCLS	KWH	CUST	MET_DAYS	time	USAGE	ind1
1998	1	0	0	750.2064	458.1286	1	2.59E+08	142740	32.83575623	1/1/1998	1816.033	0
1998	1	0	0	750.2064	458.1286	2	1.07E+08	24122	32.96778268	1/1/1998	4454.302	0
1998	1	0	0	750.2064	458.1286	3.1	1.8E+08	1068	31.7331054	1/1/1998		0
1998	1	0	0	750.2064	458.1286	3.15	1.03E+08	557	31.7331054	1/1/1998		0
1998	1	0	0	750.2064	458.1286	4	1062831	601	31.5405524	1/1/1998		0
1998	2	0	0	782.0813	485.2255	1	2.21E+08	142471	29.30555432	2/1/1998	1553.672	0
1998	2	0	0	782.0813	485.2255	2	99409464	24003	29.53973602	2/1/1998	4141.543	0
1998	2	0	0	782.0813	485.2255	3.1	1.63E+08	1079	29.34345561	2/1/1998		0
1998	2	0	0	782.0813	485.2255	3.15	93634648	583	29.34345561	2/1/1998		0
1998	2	0	0	782.0813	485.2255	4	906885	475	28.73270355	2/1/1998		0
1998	3	0.032726	0	682.6603	389.1753	1	1.99E+08	142614	28.98145151	3/1/1998	1393.329	0
1998	3	0.032726	0	682.6603	389.1753	2	85160544	23841	29.18108366	3/1/1998	3572.021	0
1998	3	0.032726	0	682.6603	389.1753	3.1	1.69E+08	1027	29.92606081	3/1/1998		0
1998	3	0.032726	0	682.6603	389.1753	3.15	1.01E+08	588	29.92606081	3/1/1998		0
1998	3	0.032726	0	682.6603	389.1753	4	901367	480	30.54667296	3/1/1998		0
1998	4	41.52905	16.46108	445.7255	227.248	1	1.65E+08	142771	30.04692994	4/1/1998	1159.164	0
1998	4	41.52905	16.46108	445.7255	227.248	2	95019595	24158	30.19891908	4/1/1998	3933.256	0
1998	4	41.52905	16.46108	445.7255	227.248	3.1	1.74E+08	1094	30.17848256	4/1/1998		0
1998	4	41.52905	16.46108	445.7255	227.248	3.15	96970537	651	30.17848256	4/1/1998		0
1998	4	41.52905	16.46108	445.7255	227.248	4	801290	477	30.13542414	4/1/1998		0
1998	5	23.23532	7.166952	209.1506	33.96939	1	1.32E+08	142280	29.41758996	5/1/1998	927.0211	0
1998	5	23.23532	7.166952	209.1506	33.96939	2	87043618	24055	29.61339613	5/1/1998	3618.525	0
1998	5	23.23532	7.166952	209.1506	33.96939	3.1	1.72E+08	1049	29.84682511	5/1/1998		0
1998	5	23.23532	7.166952	209.1506	33.96939	3.15	85826319	578	29.84682511	5/1/1998		0
1998	5	23.23532	7.166952	209.1506	33.96939	4	738492	478	30.25496053	5/1/1998		0
1998	6	133.4558	43.98348	42.67445	0.752694	1	1.43E+08	142257	30.49014988	6/1/1998	1003.71	0
1998	6	133.4558	43.98348	42.67445	0.752694	2	93873460	24137	30.89122135	6/1/1998	3889.193	0
1998	6	133.4558	43.98348	42.67445	0.752694	3.1	1.65E+08	1064	30.42409972	6/1/1998		0
1998	6	133.4558	43.98348	42.67445	0.752694	3.15	79830722	573	30.42409972	6/1/1998		0
1998	6	133.4558	43.98348	42.67445	0.752694	4	679396	478	30.05213684	6/1/1998		0
1998	7	285.9581	147.3316	11.38858	0.327258	1	1.77E+08	142397	30.12420263	7/1/1998	1243.693	0
1998	7	285.9581	147.3316	11.38858	0.327258	2	1.09E+08	24307	30.47689222	7/1/1998	4489.567	0
1998	7	285.9581	147.3316	11.38858	0.327258	3.1	1.68E+08	1071	30.5881427	7/1/1998		0
1998	7	285.9581	147.3316	11.38858	0.327258	3.15	80815262	605	30.5881427	7/1/1998		0
1998	7	285.9581	147.3316	11.38858	0.327258	4	715592	475	30.87312413	7/1/1998		0
1998	8	294.925	143.9935	0	0	1	1.78E+08	142602	29.19304642	8/1/1998	1250.203	0

KPC\_Use\_Model\_Input

YEAR	MONTH	bcdd65	bcdd70	bhdd65	bhdd55	REVCLS	KWH	CUST	MET_DAYS	time	USAGE	ind1
1998	8	294.925	143.9935	0	0	2	1.04E+08	24303	29.27851677	8/1/1998	4271.91	0
1998	8	294.925	143.9935	0	0	3.1	1.69E+08	1059	30.0284569	8/1/1998		0
1998	8	294.925	143.9935	0	0	3.15	85295169	598	30.0284569	8/1/1998		0
1998	8	294.925	143.9935	0	0	4	771181	473	30.44423365	8/1/1998		0
1998	9	286.2199	148.5097	6.283355	0	1	1.74E+08	142455	30.1222198	9/1/1998	1219.362	0
1998	9	286.2199	148.5097	6.283355	0	2	1.08E+08	24368	30.41462405	9/1/1998	4442.376	0
1998	9	286.2199	148.5097	6.283355	0	3.1	1.62E+08	1055	30.42656091	9/1/1998		0
1998	9	286.2199	148.5097	6.283355	0	3.15	89300968	561	30.42656091	9/1/1998		0
1998	9	286.2199	148.5097	6.283355	0	4	843738	467	30.20807494	9/1/1998		0
1998	10	175.7049	86.62521	82.46903	6.316081	1	1.42E+08	142643	29.44911056	10/1/1998	994.5192	0
1998	10	175.7049	86.62521	82.46903	6.316081	2	95623330	24315	29.68323264	10/1/1998	3932.689	0
1998	10	175.7049	86.62521	82.46903	6.316081	3.1	1.72E+08	1060	30.03211441	10/1/1998		0
1998	10	175.7049	86.62521	82.46903	6.316081	3.15	85526184	591	30.03211441	10/1/1998		0
1998	10	175.7049	86.62521	82.46903	6.316081	4	950987	523	30.49645297	10/1/1998		0
1998	11	12.95942	4.254355	373.5978	127.5979	1	1.54E+08	142896	29.23652399	11/1/1998	1079.236	0
1998	11	12.95942	4.254355	373.5978	127.5979	2	89644236	24496	29.63305725	11/1/1998	3659.546	0
1998	11	12.95942	4.254355	373.5978	127.5979	3.1	1.63E+08	1080	30.18068677	11/1/1998		0
1998	11	12.95942	4.254355	373.5978	127.5979	3.15	95178476	723	30.18068677	11/1/1998		0
1998	11	12.95942	4.254355	373.5978	127.5979	4	1002788	536	30.12532517	11/1/1998		0
1998	12	2.748968	0	514.8751	244.3636	1	2.09E+08	143048	31.98439316	12/1/1998	1459.52	0
1998	12	2.748968	0	514.8751	244.3636	2	1.05E+08	24450	32.14106964	12/1/1998	4298.279	0
1998	12	2.748968	0	514.8751	244.3636	3.1	1.77E+08	1070	31.92290406	12/1/1998		0
1998	12	2.748968	0	514.8751	244.3636	3.15	1.29E+08	589	31.92290406	12/1/1998		0
1998	12	2.748968	0	514.8751	244.3636	4	1109403	525	31.2079869	12/1/1998		0
1999	1	1.178129	0	912.0028	619.0414	1	2.86E+08	143197	32.83575623	1/1/1999	1996.281	0
1999	1	1.178129	0	912.0028	619.0414	2	1.17E+08	24422	32.96778268	1/1/1999	4809.156	0
1999	1	1.178129	0	912.0028	619.0414	3.1	43815274	1056	31.7331054	1/1/1999		0
1999	1	1.178129	0	912.0028	619.0414	3.15	98922558	605	31.7331054	1/1/1999		0
1999	1	1.178129	0	912.0028	619.0414	4	1091890	525	31.5405524	1/1/1999		0
1999	2	0	0	721.6695	431.6534	1	2.1E+08	143168	29.30555432	2/1/1999	1466.155	0
1999	2	0	0	721.6695	431.6534	2	99527085	24467	29.53973602	2/1/1999	4067.809	0
1999	2	0	0	721.6695	431.6534	3.1	42358176	1056	29.34345561	2/1/1999		0
1999	2	0	0	721.6695	431.6534	3.15	60029166	596	29.34345561	2/1/1999		0
1999	2	0	0	721.6695	431.6534	4	936418	526	28.73270355	2/1/1999		0
1999	3	0	0	817.6215	516.2496	1	2.24E+08	143337	28.98145151	3/1/1999	1560.207	0
1999	3	0	0	817.6215	516.2496	2	1.04E+08	24536	29.18108366	3/1/1999	4233.165	0

KPC\_Use\_Model\_Input

YEAR	MONTH	bcdd65	bcdd70	bhdd65	bhdd55	REVCLS	KWH	CUST	MET_DAYS	time	USAGE	ind1
1999	3	0	0	817.6215	516.2496	3.1	50506567	1056	29.92606081	3/1/1999		0
1999	3	0	0	817.6215	516.2496	3.15	93602581	595	29.92606081	3/1/1999		0
1999	3	0	0	817.6215	516.2496	4	931706	526	30.54667296	3/1/1999		0
1999	4	9.457758	0.130903	508.1009	267.5335	1	1.75E+08	143195	30.04692994	4/1/1999	1223.541	0
1999	4	9.457758	0.130903	508.1009	267.5335	2	94106931	24622	30.19891908	4/1/1999	3822.067	0
1999	4	9.457758	0.130903	508.1009	267.5335	3.1	51682903	1052	30.17848256	4/1/1999		0
1999	4	9.457758	0.130903	508.1009	267.5335	3.15	80928976	589	30.17848256	4/1/1999		0
1999	4	9.457758	0.130903	508.1009	267.5335	4	819222	527	30.13542414	4/1/1999		0
1999	5	32.07129	4.319806	174.5595	32.30037	1	1.24E+08	142917	29.41758996	5/1/1999	866.5452	0
1999	5	32.07129	4.319806	174.5595	32.30037	2	87169352	24638	29.61339613	5/1/1999	3538.004	0
1999	5	32.07129	4.319806	174.5595	32.30037	3.1	45815293	1048	29.84682511	5/1/1999		0
1999	5	32.07129	4.319806	174.5595	32.30037	3.15	69874965	584	29.84682511	5/1/1999		0
1999	5	32.07129	4.319806	174.5595	32.30037	4	742539	527	30.25496053	5/1/1999		0
1999	6	149.197	65.38616	32.07129	0	1	1.4E+08	142951	30.49014988	6/1/1999	977.5279	0
1999	6	149.197	65.38616	32.07129	0	2	97019424	24696	30.89122135	6/1/1999	3928.548	0
1999	6	149.197	65.38616	32.07129	0	3.1	47963006	1052	30.42409972	6/1/1999		0
1999	6	149.197	65.38616	32.07129	0	3.15	72564318	578	30.42409972	6/1/1999		0
1999	6	149.197	65.38616	32.07129	0	4	693125	529	30.05213684	6/1/1999		0
1999	7	346.6645	211.7032	2.781694	0	1	1.81E+08	142955	30.12420263	7/1/1999	1267.808	0
1999	7	346.6645	211.7032	2.781694	0	2	1.1E+08	24793	30.47689222	7/1/1999	4420.578	0
1999	7	346.6645	211.7032	2.781694	0	3.1	44664082	1056	30.5881427	7/1/1999		0
1999	7	346.6645	211.7032	2.781694	0	3.15	72677904	571	30.5881427	7/1/1999		0
1999	7	346.6645	211.7032	2.781694	0	4	729393	532	30.87312413	7/1/1999		0
1999	8	430.0498	280.8856	0	0	1	1.98E+08	143050	29.19304642	8/1/1999	1387.451	0
1999	8	430.0498	280.8856	0	0	2	1.12E+08	24858	29.27851677	8/1/1999	4490.294	0
1999	8	430.0498	280.8856	0	0	3.1	1.33E+08	1056	30.0284569	8/1/1999		0
1999	8	430.0498	280.8856	0	0	3.15	73131788	566	30.0284569	8/1/1999		0
1999	8	430.0498	280.8856	0	0	4	799724	530	30.44423365	8/1/1999		0
1999	9	219.0665	94.74121	8.181452	0.130903	1	1.61E+08	143099	30.1222198	9/1/1999	1126.779	0
1999	9	219.0665	94.74121	8.181452	0.130903	2	1.01E+08	24884	30.41462405	9/1/1999	4058.172	0
1999	9	219.0665	94.74121	8.181452	0.130903	3.1	45918373	1055	30.42656091	9/1/1999		0
1999	9	219.0665	94.74121	8.181452	0.130903	3.15	81569618	597	30.42656091	9/1/1999		0
1999	9	219.0665	94.74121	8.181452	0.130903	4	849764	531	30.20807494	9/1/1999		0
1999	10	45.61977	9.915919	122.2963	14.59571	1	1.29E+08	143243	29.44911056	10/1/1999	900.6649	0
1999	10	45.61977	9.915919	122.2963	14.59571	2	95125923	25160	29.68323264	10/1/1999	3780.84	0
1999	10	45.61977	9.915919	122.2963	14.59571	3.1	39364261	1057	30.03211441	10/1/1999		0

KPC\_Use\_Model\_Input

YEAR	MONTH	bccd65	bccd70	bhdd65	bhdd55	REVCLS	KWH	CUST	MET_DAYS	time	USAGE	ind1
1999	10	45.61977	9.915919	122.2963	14.59571	3.15	73749263	573	30.03211441	10/1/1999		0
1999	10	45.61977	9.915919	122.2963	14.59571	4	973333	532	30.49645297	10/1/1999		0
1999	11	2.552613	0.261806	355.075	121.74	1	1.5E+08	143398	29.23652399	11/1/1999	1048.741	0
1999	11	2.552613	0.261806	355.075	121.74	2	87415277	25140	29.63305725	11/1/1999	3477.139	0
1999	11	2.552613	0.261806	355.075	121.74	3.1	51164239	1054	30.18068677	11/1/1999		0
1999	11	2.552613	0.261806	355.075	121.74	3.15	82778285	577	30.18068677	11/1/1999		0
1999	11	2.552613	0.261806	355.075	121.74	4	1014483	531	30.12532517	11/1/1999		0
1999	12	0	0	578.3632	297.5758	1	2.16E+08	143574	31.98439316	12/1/1999	1501.399	0
1999	12	0	0	578.3632	297.5758	2	1.07E+08	25165	32.14106964	12/1/1999	4235.758	0
1999	12	0	0	578.3632	297.5758	3.1	52966849	1050	31.92290406	12/1/1999		0
1999	12	0	0	578.3632	297.5758	3.15	89363760	573	31.92290406	12/1/1999		0
1999	12	0	0	578.3632	297.5758	4	1110250	531	31.2079869	12/1/1999		0
2000	1	0	0	834.2463	539.714	1	2.77E+08	143869	32.83575623	1/1/2000	1922.441	1
2000	1	0	0	834.2463	539.714	2	1.16E+08	25331	32.96778268	1/1/2000	4581.245	1
2000	1	0	0	834.2463	539.714	3.1	-24438862	1016	31.7331054	1/1/2000		1
2000	1	0	0	834.2463	539.714	3.15	87470232	571	31.7331054	1/1/2000		1
2000	1	0	0	834.2463	539.714	4	1104283	533	31.5405524	1/1/2000		1
2000	2	0	0	1016.169	715.2552	1	2.77E+08	143934	29.30555432	2/1/2000	1921.955	-1
2000	2	0	0	1016.169	715.2552	2	1.14E+08	25282	29.53973602	2/1/2000	4516.512	-1
2000	2	0	0	1016.169	715.2552	3.1	1.28E+08	973	29.34345561	2/1/2000		-1
2000	2	0	0	1016.169	715.2552	3.15	83539685	558	29.34345561	2/1/2000		-1
2000	2	0	0	1016.169	715.2552	4	938438	530	28.73270355	2/1/2000		-1
2000	3	2.029	0	537.5868	278.1694	1	1.89E+08	143862	28.98145151	3/1/2000	1315.91	0
2000	3	2.029	0	537.5868	278.1694	2	97738698	25311	29.18108366	3/1/2000	3861.511	0
2000	3	2.029	0	537.5868	278.1694	3.1	49525057	966	29.92606081	3/1/2000		0
2000	3	2.029	0	537.5868	278.1694	3.15	80827861	561	29.92606081	3/1/2000		0
2000	3	2.029	0	537.5868	278.1694	4	939037	530	30.54667296	3/1/2000		0
2000	4	4.712516	0	403.8692	153.6149	1	1.54E+08	143461	30.04692994	4/1/2000	1075.373	0
2000	4	4.712516	0	403.8692	153.6149	2	89933021	25327	30.19891908	4/1/2000	3550.875	0
2000	4	4.712516	0	403.8692	153.6149	3.1	51069843	975	30.17848256	4/1/2000		0
2000	4	4.712516	0	403.8692	153.6149	3.15	76787823	556	30.17848256	4/1/2000		0
2000	4	4.712516	0	403.8692	153.6149	4	817861	532	30.13542414	4/1/2000		0
2000	5	51.44497	21.92629	226.0044	57.33561	1	1.43E+08	143434	29.41758996	5/1/2000	998.0238	0
2000	5	51.44497	21.92629	226.0044	57.33561	2	92491053	25431	29.61339613	5/1/2000	3636.941	0
2000	5	51.44497	21.92629	226.0044	57.33561	3.1	49035225	968	29.84682511	5/1/2000		0
2000	5	51.44497	21.92629	226.0044	57.33561	3.15	76187162	549	29.84682511	5/1/2000		0

KPC\_Use\_Model\_Input

YEAR	MONTH	bcdd65	bcdd70	bhdd65	bhdd55	REVCLS	KWH	CUST	MET_DAYS	time	USAGE	ind1
2000	5	51.44497	21.92629	226.0044	57.33561	4	755515	531	30.25496053	5/1/2000		0
2000	6	143.7317	67.25153	42.21629	0.130903	1	1.5E+08	143303	30.49014988	6/1/2000	1048.147	0
2000	6	143.7317	67.25153	42.21629	0.130903	2	1.05E+08	25460	30.89122135	6/1/2000	4118.48	0
2000	6	143.7317	67.25153	42.21629	0.130903	3.1	51857418	958	30.42409972	6/1/2000		0
2000	6	143.7317	67.25153	42.21629	0.130903	3.15	74521952	543	30.42409972	6/1/2000		0
2000	6	143.7317	67.25153	42.21629	0.130903	4	705902	534	30.05213684	6/1/2000		0
2000	7	261.9701	125.6344	5.432484	0	1	1.75E+08	143298	30.12420263	7/1/2000	1220.916	0
2000	7	261.9701	125.6344	5.432484	0	2	1.08E+08	25553	30.47689222	7/1/2000	4231.963	0
2000	7	261.9701	125.6344	5.432484	0	3.1	46993070	963	30.5881427	7/1/2000		0
2000	7	261.9701	125.6344	5.432484	0	3.15	66010253	546	30.5881427	7/1/2000		0
2000	7	261.9701	125.6344	5.432484	0	4	744508	534	30.87312413	7/1/2000		0
2000	8	229.8006	90.71594	0	0	1	1.7E+08	143438	29.19304642	8/1/2000	1185.967	0
2000	8	229.8006	90.71594	0	0	2	1.09E+08	25605	29.27851677	8/1/2000	4249.506	0
2000	8	229.8006	90.71594	0	0	3.1	50582769	967	30.0284569	8/1/2000		0
2000	8	229.8006	90.71594	0	0	3.15	66539737	579	30.0284569	8/1/2000		0
2000	8	229.8006	90.71594	0	0	4	803535	532	30.44423365	8/1/2000		0
2000	9	199.6274	72.74947	11.84674	0.654516	1	1.65E+08	143541	30.1222198	9/1/2000	1146.884	0
2000	9	199.6274	72.74947	11.84674	0.654516	2	1.12E+08	25597	30.41462405	9/1/2000	4374.051	0
2000	9	199.6274	72.74947	11.84674	0.654516	3.1	48498550	968	30.42656091	9/1/2000		0
2000	9	199.6274	72.74947	11.84674	0.654516	3.15	84959155	517	30.42656091	9/1/2000		0
2000	9	199.6274	72.74947	11.84674	0.654516	4	890054	536	30.20807494	9/1/2000		0
2000	10	69.05145	23.03897	174.1995	36.16202	1	1.41E+08	143672	29.44911056	10/1/2000	981.0043	0
2000	10	69.05145	23.03897	174.1995	36.16202	2	96372646	25596	29.68323264	10/1/2000	3765.145	0
2000	10	69.05145	23.03897	174.1995	36.16202	3.1	42784177	967	30.03211441	10/1/2000		0
2000	10	69.05145	23.03897	174.1995	36.16202	3.15	76867790	549	30.03211441	10/1/2000		0
2000	10	69.05145	23.03897	174.1995	36.16202	4	973790	532	30.49645297	10/1/2000		0
2000	11	9.588661	1.799919	315.0186	124.0635	1	1.49E+08	143791	29.23652399	11/1/2000	1034.52	0
2000	11	9.588661	1.799919	315.0186	124.0635	2	91910570	25750	29.63305725	11/1/2000	3569.343	0
2000	11	9.588661	1.799919	315.0186	124.0635	3.1	42409854	967	30.18068677	11/1/2000		0
2000	11	9.588661	1.799919	315.0186	124.0635	3.15	78207742	525	30.18068677	11/1/2000		0
2000	11	9.588661	1.799919	315.0186	124.0635	4	1029400	532	30.12532517	11/1/2000		0
2000	12	0	0	843.6058	548.3209	1	2.66E+08	144226	31.98439316	12/1/2000	1842.379	0
2000	12	0	0	843.6058	548.3209	2	1.17E+08	25765	32.14106964	12/1/2000	4539.569	0
2000	12	0	0	843.6058	548.3209	3.1	48315424	965	31.92290406	12/1/2000		0
2000	12	0	0	843.6058	548.3209	3.15	88295241	523	31.92290406	12/1/2000		0
2000	12	0	0	843.6058	548.3209	4	1129822	471	31.2079869	12/1/2000		0

KPC\_Use\_Model\_Input

YEAR	MONTH	bcdd65	bcdd70	bhdd65	bhdd55	REVCLS	KWH	CUST	MET_DAYS	time	USAGE	ind1
2001	1	0	0	1121.612	817.2616	1	3.52E+08	144223	32.83575623	1/1/2001	2442.094	0
2001	1	0	0	1121.612	817.2616	2	1.34E+08	25718	32.96778268	1/1/2001	5204.724	0
2001	1	0	0	1121.612	817.2616	3.1	2.13E+08	968	31.7331054	1/1/2001		0
2001	1	0	0	1121.612	817.2616	3.15	95959000	538	31.7331054	1/1/2001		0
2001	1	0	0	1121.612	817.2616	4	1122283	471	31.5405524	1/1/2001		0
2001	2	0	0	933.2418	632.8189	1	2.62E+08	144273	29.30555432	2/1/2001	1814.616	0
2001	2	0	0	933.2418	632.8189	2	1.14E+08	25785	29.53973602	2/1/2001	4401.9	0
2001	2	0	0	933.2418	632.8189	3.1	48696211	970	29.34345561	2/1/2001		0
2001	2	0	0	933.2418	632.8189	3.15	90303820	526	29.34345561	2/1/2001		0
2001	2	0	0	933.2418	632.8189	4	969514	446	28.73270355	2/1/2001		0
2001	3	0	0	737.5088	442.9765	1	2.19E+08	144119	28.98145151	3/1/2001	1520.046	0
2001	3	0	0	737.5088	442.9765	2	1.03E+08	25748	29.18108366	3/1/2001	3991.9	0
2001	3	0	0	737.5088	442.9765	3.1	44037544	966	29.92606081	3/1/2001		0
2001	3	0	0	737.5088	442.9765	3.15	87199662	525	29.92606081	3/1/2001		0
2001	3	0	0	737.5088	442.9765	4	961800	446	30.54667296	3/1/2001		0
2001	4	38.15829	18.03192	557.5168	304.0227	1	1.91E+08	143978	30.04692994	4/1/2001	1325.045	0
2001	4	38.15829	18.03192	557.5168	304.0227	2	1E+08	25819	30.19891908	4/1/2001	3880.637	0
2001	4	38.15829	18.03192	557.5168	304.0227	3.1	44138542	969	30.17848256	4/1/2001		0
2001	4	38.15829	18.03192	557.5168	304.0227	3.15	86147572	525	30.17848256	4/1/2001		0
2001	4	38.15829	18.03192	557.5168	304.0227	4	850414	445	30.13542414	4/1/2001		0
2001	5	85.0871	30.435	168.7015	46.60155	1	1.41E+08	143932	29.41758996	5/1/2001	979.7614	0
2001	5	85.0871	30.435	168.7015	46.60155	2	97747035	25876	29.61339613	5/1/2001	3777.517	0
2001	5	85.0871	30.435	168.7015	46.60155	3.1	42530582	970	29.84682511	5/1/2001		0
2001	5	85.0871	30.435	168.7015	46.60155	3.15	79037843	560	29.84682511	5/1/2001		0
2001	5	85.0871	30.435	168.7015	46.60155	4	785878	446	30.25496053	5/1/2001		0
2001	6	91.37045	28.99506	81.12727	2.748968	1	1.41E+08	143849	30.49014988	6/1/2001	977.7367	0
2001	6	91.37045	28.99506	81.12727	2.748968	2	1E+08	25911	30.89122135	6/1/2001	3876.89	0
2001	6	91.37045	28.99506	81.12727	2.748968	3.1	44674704	971	30.42409972	6/1/2001		0
2001	6	91.37045	28.99506	81.12727	2.748968	3.15	81816642	558	30.42409972	6/1/2001		0
2001	6	91.37045	28.99506	81.12727	2.748968	4	735874	445	30.05213684	6/1/2001		0
2001	7	227.4444	100.3373	5.170677	0	1	1.72E+08	143853	30.12420263	7/1/2001	1193.278	0
2001	7	227.4444	100.3373	5.170677	0	2	1.1E+08	25942	30.47689222	7/1/2001	4231.139	0
2001	7	227.4444	100.3373	5.170677	0	3.1	44773780	974	30.5881427	7/1/2001		0
2001	7	227.4444	100.3373	5.170677	0	3.15	71970670	540	30.5881427	7/1/2001		0
2001	7	227.4444	100.3373	5.170677	0	4	758156	446	30.87312413	7/1/2001		0
2001	8	331.3161	183.4936	0	0	1	1.86E+08	143911	29.19304642	8/1/2001	1290.725	0



KPC\_Use\_Model\_Input

YEAR	MONTH	bcdd65	bcdd70	bhdd65	bhdd55	REVCLS	KWH	CUST	MET_DAYS	time	USAGE	ind1
2001	8	331.3161	183.4936	0	0	2	1.13E+08	25971	29.27851677	8/1/2001	4366.474	0
2001	8	331.3161	183.4936	0	0	3.1	48624286	974	30.0284569	8/1/2001		0
2001	8	331.3161	183.4936	0	0	3.15	74362761	540	30.0284569	8/1/2001		0
2001	8	331.3161	183.4936	0	0	4	827130	445	30.44423365	8/1/2001		0
2001	9	257.6503	121.3473	5.0725	0.130903	1	1.76E+08	144012	30.1222198	9/1/2001	1220.538	0
2001	9	257.6503	121.3473	5.0725	0.130903	2	1.14E+08	26078	30.41462405	9/1/2001	4361.4	0
2001	9	257.6503	121.3473	5.0725	0.130903	3.1	45320431	971	30.42656091	9/1/2001		0
2001	9	257.6503	121.3473	5.0725	0.130903	3.15	77168655	540	30.42656091	9/1/2001		0
2001	9	257.6503	121.3473	5.0725	0.130903	4	899978	444	30.20807494	9/1/2001		0
2001	10	63.06263	16.91924	145.7607	27.19515	1	1.41E+08	144138	29.44911056	10/1/2001	976.7007	0
2001	10	63.06263	16.91924	145.7607	27.19515	2	95920901	26151	29.68323264	10/1/2001	3667.963	0
2001	10	63.06263	16.91924	145.7607	27.19515	3.1	41637737	969	30.03211441	10/1/2001		0
2001	10	63.06263	16.91924	145.7607	27.19515	3.15	79536116	546	30.03211441	10/1/2001		0
2001	10	63.06263	16.91924	145.7607	27.19515	4	1004158	444	30.49645297	10/1/2001		0
2001	11	18.65371	3.501661	350.6897	131.2959	1	1.66E+08	144214	29.23652399	11/1/2001	1151.266	0
2001	11	18.65371	3.501661	350.6897	131.2959	2	95928175	26236	29.63305725	11/1/2001	3656.357	0
2001	11	18.65371	3.501661	350.6897	131.2959	3.1	47903742	968	30.18068677	11/1/2001		0
2001	11	18.65371	3.501661	350.6897	131.2959	3.15	86223340	548	30.18068677	11/1/2001		0
2001	11	18.65371	3.501661	350.6897	131.2959	4	1106597	444	30.12532517	11/1/2001		0
2001	12	0.589065	0	447.3618	170.5669	1	2.04E+08	144447	31.98439316	12/1/2001	1414.092	0
2001	12	0.589065	0	447.3618	170.5669	2	1.05E+08	26356	32.14106964	12/1/2001	3975.593	0
2001	12	0.589065	0	447.3618	170.5669	3.1	51823266	964	31.92290406	12/1/2001		0
2001	12	0.589065	0	447.3618	170.5669	3.15	86620465	538	31.92290406	12/1/2001		0
2001	12	0.589065	0	447.3618	170.5669	4	1171000	443	31.2079869	12/1/2001		0
2002	1	0	0	872.2082	573.4216	1	3E+08	144776	32.83575623	1/1/2002	2073.17	0
2002	1	0	0	872.2082	573.4216	2	1.24E+08	26454	32.96778268	1/1/2002	4683.936	0
2002	1	0	0	872.2082	573.4216	3.1	42010862	940	31.7331054	1/1/2002		0
2002	1	0	0	872.2082	573.4216	3.15	1E+08	540	31.7331054	1/1/2002		0
2002	1	0	0	872.2082	573.4216	4	1162628	441	31.5405524	1/1/2002		0
2002	2	0	0	756.2279	472.8879	1	2.42E+08	144635	29.30555432	2/1/2002	1672.432	0
2002	2	0	0	756.2279	472.8879	2	1.08E+08	26430	29.53973602	2/1/2002	4086.971	0
2002	2	0	0	756.2279	472.8879	3.1	46071371	959	29.34345561	2/1/2002		0
2002	2	0	0	756.2279	472.8879	3.15	92788578	542	29.34345561	2/1/2002		0
2002	2	0	0	756.2279	472.8879	4	991174	438	28.73270355	2/1/2002		0
2002	3	1.178129	0	712.8662	420.6902	1	2.32E+08	144570	28.98145151	3/1/2002	1604.874	0
2002	3	1.178129	0	712.8662	420.6902	2	1.07E+08	26967	29.18108366	3/1/2002	3979.302	0

KPC\_Use\_Model\_Input

YEAR	MONTH	bcdd65	bcdd70	bhdd65	bhdd55	REVCLS	KWH	CUST	MET_DAYS	time	USAGE	ind1
2002	3	1.178129	0	712.8662	420.6902	3.1	44121990	964	29.92606081	3/1/2002		0
2002	3	1.178129	0	712.8662	420.6902	3.15	87607468	548	29.92606081	3/1/2002		0
2002	3	1.178129	0	712.8662	420.6902	4	981060	439	30.54667296	3/1/2002		0
2002	4	17.96647	5.236129	466.3427	225.3172	1	1.87E+08	144471	30.04692994	4/1/2002	1295.82	0
2002	4	17.96647	5.236129	466.3427	225.3172	2	1.03E+08	26499	30.19891908	4/1/2002	3869.474	0
2002	4	17.96647	5.236129	466.3427	225.3172	3.1	48312753	956	30.17848256	4/1/2002		0
2002	4	17.96647	5.236129	466.3427	225.3172	3.15	83917817	536	30.17848256	4/1/2002		0
2002	4	17.96647	5.236129	466.3427	225.3172	4	880087	439	30.13542414	4/1/2002		0
2002	5	51.18316	17.21377	222.2737	59.92095	1	1.36E+08	144097	29.41758996	5/1/2002	946.106	0
2002	5	51.18316	17.21377	222.2737	59.92095	2	95971433	26568	29.61339613	5/1/2002	3612.294	0
2002	5	51.18316	17.21377	222.2737	59.92095	3.1	46951722	1017	29.84682511	5/1/2002		0
2002	5	51.18316	17.21377	222.2737	59.92095	3.15	74982910	540	29.84682511	5/1/2002		0
2002	5	51.18316	17.21377	222.2737	59.92095	4	793915	439	30.25496053	5/1/2002		0
2002	6	134.4049	55.86295	117.1911	34.493	1	1.59E+08	144170	30.49014988	6/1/2002	1103.276	0
2002	6	134.4049	55.86295	117.1911	34.493	2	1.05E+08	26594	30.89122135	6/1/2002	3958.843	0
2002	6	134.4049	55.86295	117.1911	34.493	3.1	48056096	962	30.42409972	6/1/2002		0
2002	6	134.4049	55.86295	117.1911	34.493	3.15	64761302	530	30.42409972	6/1/2002		0
2002	6	134.4049	55.86295	117.1911	34.493	4	741727	439	30.05213684	6/1/2002		0
2002	7	308.1135	170.9923	0.62179	0	1	1.96E+08	144163	30.12420263	7/1/2002	1356.212	0
2002	7	308.1135	170.9923	0.62179	0	2	1.17E+08	26774	30.47689222	7/1/2002	4385.546	0
2002	7	308.1135	170.9923	0.62179	0	3.1	45923334	960	30.5881427	7/1/2002		0
2002	7	308.1135	170.9923	0.62179	0	3.15	67385377	533	30.5881427	7/1/2002		0
2002	7	308.1135	170.9923	0.62179	0	4	778790	439	30.87312413	7/1/2002		0
2002	8	391.1388	240.6656	0	0	1	2.06E+08	144235	29.19304642	8/1/2002	1425.291	0
2002	8	391.1388	240.6656	0	0	2	1.19E+08	26798	29.27851677	8/1/2002	4454.368	0
2002	8	391.1388	240.6656	0	0	3.1	50271658	975	30.0284569	8/1/2002		0
2002	8	391.1388	240.6656	0	0	3.15	71803238	531	30.0284569	8/1/2002		0
2002	8	391.1388	240.6656	0	0	4	839473	438	30.44423365	8/1/2002		0
2002	9	345.4863	197.173	0.785419	0	1	1.88E+08	144234	30.1222198	9/1/2002	1301.869	0
2002	9	345.4863	197.173	0.785419	0	2	1.2E+08	26840	30.41462405	9/1/2002	4459.588	0
2002	9	345.4863	197.173	0.785419	0	3.1	48742566	949	30.42656091	9/1/2002		0
2002	9	345.4863	197.173	0.785419	0	3.15	74005022	520	30.42656091	9/1/2002		0
2002	9	345.4863	197.173	0.785419	0	4	913366	500	30.20807494	9/1/2002		0
2002	10	140.001	61.68815	83.15627	12.95942	1	1.45E+08	144277	29.44911056	10/1/2002	1006.367	0
2002	10	140.001	61.68815	83.15627	12.95942	2	1.05E+08	26773	29.68323264	10/1/2002	3918.101	0
2002	10	140.001	61.68815	83.15627	12.95942	3.1	49245270	946	30.03211441	10/1/2002		0

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YEAR	MONTH	bcdd65	bcdd70	bhdd65	bhdd55	REVCLS	KWH	CUST	MET_DAYS	time	USAGE	ind1
2002	10	140.001	61.68815	83.15627	12.95942	3.15	75833653	514	30.03211441	10/1/2002		0
2002	10	140.001	61.68815	83.15627	12.95942	4	1024559	440	30.49645297	10/1/2002		0
2002	11	13.90847	4.516161	417.1559	159.342	1	1.62E+08	144470	29.23652399	11/1/2002	1119.832	0
2002	11	13.90847	4.516161	417.1559	159.342	2	96109986	26847	29.63305725	11/1/2002	3579.915	0
2002	11	13.90847	4.516161	417.1559	159.342	3.1	48873164	949	30.18068677	11/1/2002		0
2002	11	13.90847	4.516161	417.1559	159.342	3.15	76134769	539	30.18068677	11/1/2002		0
2002	11	13.90847	4.516161	417.1559	159.342	4	1081248	440	30.12532517	11/1/2002		0
2002	12	1.832645	0	773.6708	476.1278	1	2.66E+08	144696	31.98439316	12/1/2002	1840.687	0
2002	12	1.832645	0	773.6708	476.1278	2	1.17E+08	26903	32.14106964	12/1/2002	4357.596	0
2002	12	1.832645	0	773.6708	476.1278	3.1	42143412	944	31.92290406	12/1/2002		0
2002	12	1.832645	0	773.6708	476.1278	3.15	86198959	523	31.92290406	12/1/2002		0
2002	12	1.832645	0	773.6708	476.1278	4	1161986	448	31.2079869	12/1/2002		0
2003	1	0	0	867.3648	567.1055	1	3.18E+08	144903	32.83575623	1/1/2003	2194.398	0
2003	1	0	0	867.3648	567.1055	2	1.27E+08	26893	32.96778268	1/1/2003	4710.909	0
2003	1	0	0	867.3648	567.1055	3.1	32840539	942	31.7331054	1/1/2003		0
2003	1	0	0	867.3648	567.1055	3.15	89253807	519	31.7331054	1/1/2003		0
2003	1	0	0	867.3648	567.1055	4	1171230	451	31.5405524	1/1/2003		0
2003	2	0	0	1095.889	792.3245	1	3.04E+08	144848	29.30555432	2/1/2003	2098.001	0
2003	2	0	0	1095.889	792.3245	2	1.23E+08	26858	29.53973602	2/1/2003	4571.437	0
2003	2	0	0	1095.889	792.3245	3.1	28625874	941	29.34345561	2/1/2003		0
2003	2	0	0	1095.889	792.3245	3.15	85657139	516	29.34345561	2/1/2003		0
2003	2	0	0	1095.889	792.3245	4	991122	454	28.73270355	2/1/2003		0
2003	3	0	0	825.3776	534.6742	1	2.47E+08	144700	28.98145151	3/1/2003	1707.985	0
2003	3	0	0	825.3776	534.6742	2	1.1E+08	26904	29.18108366	3/1/2003	4105.361	0
2003	3	0	0	825.3776	534.6742	3.1	27738241	935	29.92606081	3/1/2003		0
2003	3	0	0	825.3776	534.6742	3.15	87814209	549	29.92606081	3/1/2003		0
2003	3	0	0	825.3776	534.6742	4	978688	455	30.54667296	3/1/2003		0
2003	4	15.44658	0	358.0203	141.3428	1	1.65E+08	144415	30.04692994	4/1/2003	1143.625	0
2003	4	15.44658	0	358.0203	141.3428	2	98087839	26912	30.19891908	4/1/2003	3644.762	0
2003	4	15.44658	0	358.0203	141.3428	3.1	26252145	968	30.17848256	4/1/2003		0
2003	4	15.44658	0	358.0203	141.3428	3.15	74955865	525	30.17848256	4/1/2003		0
2003	4	15.44658	0	358.0203	141.3428	4	867148	447	30.13542414	4/1/2003		0
2003	5	38.48555	3.174403	162.2545	30.5659	1	1.35E+08	144250	29.41758996	5/1/2003	934.722	0
2003	5	38.48555	3.174403	162.2545	30.5659	2	98693053	26961	29.61339613	5/1/2003	3660.586	0
2003	5	38.48555	3.174403	162.2545	30.5659	3.1	27347589	933	29.84682511	5/1/2003		0
2003	5	38.48555	3.174403	162.2545	30.5659	3.15	73486430	516	29.84682511	5/1/2003		0

KPC\_Use\_Model\_Input

YEAR	MONTH	bcdd65	bcdd70	bhdd65	bhdd55	REVCLS	KWH	CUST	MET_DAYS	time	USAGE	ind1
2003	5	38.48555	3.174403	162.2545	30.5659	4	798937	447	30.25496053	5/1/2003		0
2003	6	52.32856	12.53398	70.81865	0	1	1.37E+08	144177	30.49014988	6/1/2003	947.9526	0
2003	6	52.32856	12.53398	70.81865	0	2	1.02E+08	27000	30.89122135	6/1/2003	3785.701	0
2003	6	52.32856	12.53398	70.81865	0	3.1	26772073	929	30.42409972	6/1/2003		0
2003	6	52.32856	12.53398	70.81865	0	3.15	71230186	518	30.42409972	6/1/2003		0
2003	6	52.32856	12.53398	70.81865	0	4	742143	446	30.05213684	6/1/2003		0
2003	7	220.2774	93.82489	9.425032	0	1	1.75E+08	144130	30.29390599	7/1/2003	1211.8	0
2003	7	220.2774	93.82489	9.425032	0	2	1.13E+08	27038	30.86337504	7/1/2003	4170.266	0
2003	7	220.2774	93.82489	9.425032	0	3.1	27807322	931	30.86322741	7/1/2003		0
2003	7	220.2774	93.82489	9.425032	0	3.15	66954414	509	30.86322741	7/1/2003		0
2003	7	220.2774	93.82489	9.425032	0	4	764746	446	31.01139469	7/1/2003		0
2003	8	262.7882	116.733	0	0	1	1.79E+08	144290	28.83001091	8/1/2003	1243.867	0
2003	8	262.7882	116.733	0	0	2	1.13E+08	27940	29.00116669	8/1/2003	4029.59	0
2003	8	262.7882	116.733	0	0	3.1	28115282	924	29.86990137	8/1/2003		0
2003	8	262.7882	116.733	0	0	3.15	69785215	517	29.86990137	8/1/2003		0
2003	8	262.7882	116.733	0	0	4	825765	447	30.42665468	8/1/2003		0
2003	9	251.0724	121.5436	2.454435	0	1	1.82E+08	144411	30.31452546	9/1/2003	1260.932	0
2003	9	251.0724	121.5436	2.454435	0	2	1.2E+08	27992	30.31790893	9/1/2003	4297.225	0
2003	9	251.0724	121.5436	2.454435	0	3.1	22295395	920	30.26432511	9/1/2003		0
2003	9	251.0724	121.5436	2.454435	0	3.15	72962868	512	30.26432511	9/1/2003		0
2003	9	251.0724	121.5436	2.454435	0	4	902695	445	30.0723287	9/1/2003		0
2003	10	36.62018	4.221629	150.2769	35.6384	1	1.4E+08	144406	29.51032338	10/1/2003	967.0794	0
2003	10	36.62018	4.221629	150.2769	35.6384	2	1.01E+08	28029	29.97690026	10/1/2003	3620.641	0
2003	10	36.62018	4.221629	150.2769	35.6384	3.1	31828316	916	30.18006441	10/1/2003		0
2003	10	36.62018	4.221629	150.2769	35.6384	3.15	74077646	502	30.18006441	10/1/2003		0
2003	10	36.62018	4.221629	150.2769	35.6384	4	1009775	445	30.76597567	10/1/2003		0
2003	11	8.639613	0	291.8487	98.63558	1	1.53E+08	144466	29.06951233	11/1/2003	1060.486	0
2003	11	8.639613	0	291.8487	98.63558	2	96076452	28046	29.4095236	11/1/2003	3425.674	0
2003	11	8.639613	0	291.8487	98.63558	3.1	27164886	922	29.82944309	11/1/2003		0
2003	11	8.639613	0	291.8487	98.63558	3.15	77953562	515	29.82944309	11/1/2003		0
2003	11	8.639613	0	291.8487	98.63558	4	1049780	445	29.9856728	11/1/2003		0
2003	12	0.981774	0	622.3139	345.9772	1	2.5E+08	144850	31.97092721	12/1/2003	1727.644	0
2003	12	0.981774	0	622.3139	345.9772	2	1.16E+08	28110	32.20918778	12/1/2003	4127.078	0
2003	12	0.981774	0	622.3139	345.9772	3.1	25807073	943	32.49130598	12/1/2003		0
2003	12	0.981774	0	622.3139	345.9772	3.15	83776077	533	32.49130598	12/1/2003		0
2003	12	0.981774	0	622.3139	345.9772	4	1122778	444	31.16965195	12/1/2003		0

KPC\_Use\_Model\_Input

YEAR	MONTH	bcdd65	bcdd70	bhdd65	bhdd55	REVCLS	KWH	CUST	MET_DAYS	time	USAGE	ind1
2004	1	0.785419		0 852.2127	558.7277	1	3.23E+08	145096	32.89804073	1/1/2004	2228.905	0
2004	1	0.785419		0 852.2127	558.7277	2	1.31E+08	28131	33.07882645	1/1/2004	4666.07	0
2004	1	0.785419		0 852.2127	558.7277	3.1	25401537	938	31.86000627	1/1/2004		0
2004	1	0.785419		0 852.2127	558.7277	3.15	85863580	530	31.86000627	1/1/2004		0
2004	1	0.785419		0 852.2127	558.7277	4	1185525	443	31.61935952	1/1/2004		0
2004	2	0.261806		0 1020.325	719.7714	1	3.07E+08	144846	29.35661581	2/1/2004	2116.279	0
2004	2	0.261806		0 1020.325	719.7714	2	1.25E+08	28104	29.50676808	2/1/2004	4454.941	0
2004	2	0.261806		0 1020.325	719.7714	3.1	23587841	938	29.11884931	2/1/2004		0
2004	2	0.261806		0 1020.325	719.7714	3.15	85465096	528	29.11884931	2/1/2004		0
2004	2	0.261806		0 1020.325	719.7714	4	978205	442	29.19712971	2/1/2004		0
2004	3	2.356258		0 711.1645	418.0067	1	2.31E+08	144789	28.95241592	3/1/2004	1593.278	0
2004	3	2.356258		0 711.1645	418.0067	2	1.09E+08	28127	29.21813214	3/1/2004	3884.1	0
2004	3	2.356258		0 711.1645	418.0067	3.1	22297694	937	30.33452273	3/1/2004		0
2004	3	2.356258		0 711.1645	418.0067	3.15	81301309	523	30.33452273	3/1/2004		0
2004	3	2.356258		0 711.1645	418.0067	4	969434	441	30.46747435	3/1/2004		0
2004	4	13.0576	1.472661	457.2122	231.0442	1	1.87E+08	144670	30.22186637	4/1/2004	1292.408	0
2004	4	13.0576	1.472661	457.2122	231.0442	2	1.06E+08	28166	30.55924492	4/1/2004	3764.788	0
2004	4	13.0576	1.472661	457.2122	231.0442	3.1	8533012	938	30.00382037	4/1/2004		0
2004	4	13.0576	1.472661	457.2122	231.0442	3.15	79987020	523	30.00382037	4/1/2004		0
2004	4	13.0576	1.472661	457.2122	231.0442	4	865909	439	30.22895913	4/1/2004		0
2004	5	72.52039	21.69721	175.1158	57.13926	1	1.46E+08	144359	29.32977886	5/1/2004	1010.219	0
2004	5	72.52039	21.69721	175.1158	57.13926	2	1.03E+08	28189	29.61446972	5/1/2004	3650.134	0
2004	5	72.52039	21.69721	175.1158	57.13926	3.1	40431547	942	29.84101017	5/1/2004		0
2004	5	72.52039	21.69721	175.1158	57.13926	3.15	72809938	528	29.84101017	5/1/2004		0
2004	5	72.52039	21.69721	175.1158	57.13926	4	757310	439	30.49615937	5/1/2004		0
2004	6	198.9729	81.61816	14.66116	3.959823	1	1.66E+08	144117	30.82057616	6/1/2004	1153.825	0
2004	6	198.9729	81.61816	14.66116	3.959823	2	1.18E+08	28233	31.19064898	6/1/2004	4162.507	0
2004	6	198.9729	81.61816	14.66116	3.959823	3.1	23419812	934	30.61899521	6/1/2004		0
2004	6	198.9729	81.61816	14.66116	3.959823	3.15	70299843	518	30.61899521	6/1/2004		0
2004	6	198.9729	81.61816	14.66116	3.959823	4	724943	439	30.26297448	6/1/2004		0
2004	7	254.3122	126.3216	1.570839	0	1	1.86E+08	144037	30.37168349	7/1/2004	1290.174	0
2004	7	254.3122	126.3216	1.570839	0	2	1.19E+08	28321	30.54495655	7/1/2004	4200.984	0
2004	7	254.3122	126.3216	1.570839	0	3.1	24151705	935	30.43223321	7/1/2004		0
2004	7	254.3122	126.3216	1.570839	0	3.15	63345192	517	30.43223321	7/1/2004		0
2004	7	254.3122	126.3216	1.570839	0	4	746664	442	30.99328234	7/1/2004		0
2004	8	251.0069	118.5001	3.239855	0	1	1.74E+08	144066	29.01265351	8/1/2004	1207.89	0

KPC\_Use\_Model\_Input

YEAR	MONTH	bcdd65	bcdd70	bhdd65	bhdd55	REVCLS	KWH	CUST	MET_DAYS	time	USAGE	ind1
2004	8	251.0069	118.5001	3.239855		0	2 1.14E+08	28361	29.31957963	8/1/2004	4035.252	0
2004	8	251.0069	118.5001	3.239855		0	3.1 24158910	933	30.42453505	8/1/2004		0
2004	8	251.0069	118.5001	3.239855		0	3.15 68427463	517	30.42453505	8/1/2004		0
2004	8	251.0069	118.5001	3.239855		0	4 809509	444	30.52103318	8/1/2004		0
2004	9	220.081	94.25032	5.203403		0	1 1.67E+08	144081	29.75675756	9/1/2004	1160.798	0
2004	9	220.081	94.25032	5.203403		0	2 1.17E+08	28421	29.96771584	9/1/2004	4127.901	0
2004	9	220.081	94.25032	5.203403		0	3.1 23860831	932	30.38800429	9/1/2004		0
2004	9	220.081	94.25032	5.203403		0	3.15 67619129	516	30.38800429	9/1/2004		0
2004	9	220.081	94.25032	5.203403		0	4 885947	444	30.09975313	9/1/2004		0
2004	10	65.41889	12.07582	101.4827	9.686839		1 1.41E+08	144159	29.57961326	10/1/2004	977.2781	0
2004	10	65.41889	12.07582	101.4827	9.686839		2 1.06E+08	28472	29.99069741	10/1/2004	3717.885	0
2004	10	65.41889	12.07582	101.4827	9.686839		3.1 24615737	933	30.08098882	10/1/2004		0
2004	10	65.41889	12.07582	101.4827	9.686839		3.15 69814465	512	30.08098882	10/1/2004		0
2004	10	65.41889	12.07582	101.4827	9.686839		4 996735	444	30.74244419	10/1/2004		0
2004	11	13.0576	2.65079	245.509	62.44084		1 1.44E+08	144360	29.03878993	11/1/2004	1000.908	0
2004	11	13.0576	2.65079	245.509	62.44084		2 98730455	28442	29.18478311	11/1/2004	3471.291	0
2004	11	13.0576	2.65079	245.509	62.44084		3.1 25621811	923	29.61340669	11/1/2004		0
2004	11	13.0576	2.65079	245.509	62.44084		3.15 71769906	520	29.61340669	11/1/2004		0
2004	11	13.0576	2.65079	245.509	62.44084		4 1051727	444	29.88480883	11/1/2004		0
2004	12	1.898097	0.294532	565.0765	288.0198		1 2.37E+08	144623	32.42669171	12/1/2004	1636.978	0
2004	12	1.898097	0.294532	565.0765	288.0198		2 1.18E+08	28496	32.4958757	12/1/2004	4123.839	0
2004	12	1.898097	0.294532	565.0765	288.0198		3.1 29380533	928	32.68081211	12/1/2004		0
2004	12	1.898097	0.294532	565.0765	288.0198		3.15 81530181	515	32.68081211	12/1/2004		0
2004	12	1.898097	0.294532	565.0765	288.0198		4 1157776	442	31.37339552	12/1/2004		0
2005	1	0	0	772.4272	487.8436		1 3E+08	144900	32.73432321	1/1/2005	2070.073	0
2005	1	0	0	772.4272	487.8436		2 1.3E+08	28555	32.68588331	1/1/2005	4549.947	0
2005	1	0	0	772.4272	487.8436		3.1 27535254	932	31.25193476	1/1/2005		0
2005	1	0	0	772.4272	487.8436		3.15 83336282	518	31.25193476	1/1/2005		0
2005	1	0	0	772.4272	487.8436		4 1145090	445	31.43818485	1/1/2005		0
2005	2	0	0	876.8225	585.5629		1 2.82E+08	144415	29.31826873	2/1/2005	1949.463	0
2005	2	0	0	876.8225	585.5629		2 1.25E+08	28492	29.63610834	2/1/2005	4370.237	0
2005	2	0	0	876.8225	585.5629		3.1 42930055	928	29.51822097	2/1/2005		0
2005	2	0	0	876.8225	585.5629		3.15 81043614	515	29.51822097	2/1/2005		0
2005	2	0	0	876.8225	585.5629		4 966727	441	28.43899336	2/1/2005		0
2005	3	0	0	804.0894	499.7394		1 2.57E+08	145259	29.22834795	3/1/2005	1771.888	0
2005	3	0	0	804.0894	499.7394		2 1.18E+08	28726	29.44491561	3/1/2005	4098.672	0

KPC\_Use\_Model\_Input

YEAR	MONTH	bcdd65	bcdd70	bhdd65	bhdd55	REVCLS	KWH	CUST	MET_DAYS	time	USAGE	ind1
2005	3	0	0	804.0894	499.7394	3.1	10286469	941	30.00930455	3/1/2005		0
2005	3	0	0	804.0894	499.7394	3.15	86878562	521	30.00930455	3/1/2005		0
2005	3	0	0	804.0894	499.7394	4	955970	445	30.72201351	3/1/2005		0
2005	4	5.857919	0	468.8135	232.2714	1	1.9E+08	144955	30.30200473	4/1/2005	1308.931	0
2005	4	5.857919	0	468.8135	232.2714	2	1.09E+08	28742	30.42241297	4/1/2005	3782.338	0
2005	4	5.857919	0	468.8135	232.2714	3.1	25229035	928	30.65980777	4/1/2005		0
2005	4	5.857919	0	468.8135	232.2714	3.15	76224559	507	30.65980777	4/1/2005		0
2005	4	5.857919	0	468.8135	232.2714	4	793649	451	30.09219331	4/1/2005		0
2005	5	21.56631	3.976185	237.5566	67.10427	1	1.47E+08	144302	29.16793586	5/1/2005	1021.338	0
2005	5	21.56631	3.976185	237.5566	67.10427	2	1E+08	28820	29.14480093	5/1/2005	3472.986	0
2005	5	21.56631	3.976185	237.5566	67.10427	3.1	23903501	931	29.22780186	5/1/2005		0
2005	5	21.56631	3.976185	237.5566	67.10427	3.15	74730971	498	29.22780186	5/1/2005		0
2005	5	21.56631	3.976185	237.5566	67.10427	4	685653	443	30.58775404	5/1/2005		0
2005	6	125.8798	62.47356	74.28758	9.146863	1	1.54E+08	144342	30.50766415	6/1/2005	1069.231	0
2005	6	125.8798	62.47356	74.28758	9.146863	2	1.13E+08	28921	31.11115178	6/1/2005	3891.563	0
2005	6	125.8798	62.47356	74.28758	9.146863	3.1	26090791	933	30.17641497	6/1/2005		0
2005	6	125.8798	62.47356	74.28758	9.146863	3.15	78286605	518	30.17641497	6/1/2005		0
2005	6	125.8798	62.47356	74.28758	9.146863	4	616908	444	30.39251804	6/1/2005		0
2005	7	358.4458	215.1395	0.245444	0	1	1.92E+08	144274	30.09963326	7/1/2005	1333.321	0
2005	7	358.4458	215.1395	0.245444	0	2	1.23E+08	28896	30.35524461	7/1/2005	4271.888	0
2005	7	358.4458	215.1395	0.245444	0	3.1	26379085	929	30.78452552	7/1/2005		0
2005	7	358.4458	215.1395	0.245444	0	3.15	64597478	511	30.78452552	7/1/2005		0
2005	7	358.4458	215.1395	0.245444	0	4	637749	445	30.81334187	7/1/2005		0
2005	8	457.3104	305.299	0	0	1	2.11E+08	144231	29.48987458	8/1/2005	1460.081	0
2005	8	457.3104	305.299	0	0	2	1.29E+08	28995	29.36106541	8/1/2005	4432.849	0
2005	8	457.3104	305.299	0	0	3.1	29771791	934	30.06839193	8/1/2005		0
2005	8	457.3104	305.299	0	0	3.15	69035981	522	30.06839193	8/1/2005		0
2005	8	457.3104	305.299	0	0	4	715222	385	30.79657108	8/1/2005		0
2005	9	344.6682	195.2422	0	0	1	1.93E+08	144191	30.14650088	9/1/2005	1336.066	0
2005	9	344.6682	195.2422	0	0	2	1.29E+08	29068	30.56748527	9/1/2005	4453.444	0
2005	9	344.6682	195.2422	0	0	3.1	24832705	936	30.18393293	9/1/2005		0
2005	9	344.6682	195.2422	0	0	3.15	72065965	513	30.18393293	9/1/2005		0
2005	9	344.6682	195.2422	0	0	4	694084	381	30.09381907	9/1/2005		0
2005	10	158.7365	59.97004	46.51973	5.710653	1	1.49E+08	144223	29.16350893	10/1/2005	1033.744	0
2005	10	158.7365	59.97004	46.51973	5.710653	2	1.13E+08	29079	29.41398954	10/1/2005	3881.19	0
2005	10	158.7365	59.97004	46.51973	5.710653	3.1	34484608	937	30.13959301	10/1/2005		0

KPC\_Use\_Model\_Input

YEAR	MONTH	bcdd65	bcdd70	bhdd65	bhdd55	REVCLS	KWH	CUST	MET_DAYS	time	USAGE	ind1
2005	10	158.7365	59.97004	46.51973	5.710653	3.15	71250429	516	30.13959301	10/1/2005		0
2005	10	158.7365	59.97004	46.51973	5.710653	4	801159	381	30.76237689	10/1/2005		0
2005	11	9.997734	1.40721	353.8151	143.9445	1	1.62E+08	144419	29.40777441	11/1/2005	1120.136	0
2005	11	9.997734	1.40721	353.8151	143.9445	2	1.06E+08	29040	30.01907326	11/1/2005	3647.65	0
2005	11	9.997734	1.40721	353.8151	143.9445	3.1	26102644	935	30.22455594	11/1/2005		0
2005	11	9.997734	1.40721	353.8151	143.9445	3.15	78932129	506	30.22455594	11/1/2005		0
2005	11	9.997734	1.40721	353.8151	143.9445	4	1108078	386	30.00515452	11/1/2005		0
2005	12	1.472661	0	765.0312	488.5472	1	2.75E+08	144641	31.82538972	12/1/2005	1900.439	0
2005	12	1.472661	0	765.0312	488.5472	2	1.27E+08	29064	32.14322626	12/1/2005	4383.232	0
2005	12	1.472661	0	765.0312	488.5472	3.1	29839382	940	31.86906579	12/1/2005		0
2005	12	1.472661	0	765.0312	488.5472	3.15	94027180	506	31.86906579	12/1/2005		0
2005	12	1.472661	0	765.0312	488.5472	4	1026580	382	31.1639429	12/1/2005		0
2006	1	0	0	791.3591	487.7781	1	3.2E+08	144830	32.99815288	1/1/2006	2207.723	0
2006	1	0	0	791.3591	487.7781	2	1.35E+08	29121	33.05543149	1/1/2006	4652.746	0
2006	1	0	0	791.3591	487.7781	3.1	29052471	947	31.79117503	1/1/2006		0
2006	1	0	0	791.3591	487.7781	3.15	86184052	505	31.79117503	1/1/2006		0
2006	1	0	0	791.3591	487.7781	4	1024727	380	31.46969106	1/1/2006		0
2006	2	0	0	715.4352	415.045	1	2.61E+08	144530	29.45074323	2/1/2006	1804.836	0
2006	2	0	0	715.4352	415.045	2	1.21E+08	29047	29.84730034	2/1/2006	4162.81	0
2006	2	0	0	715.4352	415.045	3.1	36707291	938	29.56341395	2/1/2006		0
2006	2	0	0	715.4352	415.045	3.15	88996178	504	29.56341395	2/1/2006		0
2006	2	0	0	715.4352	415.045	4	888697	381	28.39495927	2/1/2006		0
2006	3	1.374484	0	758.1588	469.9099	1	2.36E+08	145013	28.6445947	3/1/2006	1626.827	0
2006	3	1.374484	0	758.1588	469.9099	2	1.13E+08	29187	28.66821515	3/1/2006	3887.944	0
2006	3	1.374484	0	758.1588	469.9099	3.1	17546543	952	29.41924684	3/1/2006		0
2006	3	1.374484	0	758.1588	469.9099	3.15	86376988	509	29.41924684	3/1/2006		0
2006	3	1.374484	0	758.1588	469.9099	4	858144	383	30.63370507	3/1/2006		0
2006	4	16.55926	3.321669	469.2881	244.1672	1	1.82E+08	144560	28.66317326	4/1/2006	1262.416	0
2006	4	16.55926	3.321669	469.2881	244.1672	2	1.05E+08	29148	28.87768459	4/1/2006	3589.598	0
2006	4	16.55926	3.321669	469.2881	244.1672	3.1	25570463	945	29.49903845	4/1/2006		0
2006	4	16.55926	3.321669	469.2881	244.1672	3.15	78944505	499	29.49903845	4/1/2006		0
2006	4	16.55926	3.321669	469.2881	244.1672	4	742075	381	29.74893815	4/1/2006		0
2006	5	27.8333	5.154315	142.57	19.9791	1	1.36E+08	144258	29.8210774	5/1/2006	940.1546	0
2006	5	27.8333	5.154315	142.57	19.9791	2	1.04E+08	29245	29.96965741	5/1/2006	3552.679	0
2006	5	27.8333	5.154315	142.57	19.9791	3.1	22014084	942	29.5177419	5/1/2006		0
2006	5	27.8333	5.154315	142.57	19.9791	3.15	72626592	497	29.5177419	5/1/2006		0



KPC\_Use\_Model\_Input

YEAR	MONTH	bcdd65	bcdd70	bhdd65	bhdd55	REVCLS	KWH	CUST	MET_DAYS	time	USAGE	ind1
2006	5	27.8333	5.154315	142.57	19.9791	4	659439	379	30.85319535	5/1/2006		0
2006	6	105.3116	39.92548	86.5434	3.861645	1	1.52E+08	144120	30.45924689	6/1/2006	1057.778	0
2006	6	105.3116	39.92548	86.5434	3.861645	2	1.12E+08	29278	30.96539767	6/1/2006	3826.03	0
2006	6	105.3116	39.92548	86.5434	3.861645	3.1	31645761	954	30.68741145	6/1/2006		0
2006	6	105.3116	39.92548	86.5434	3.861645	3.15	73558202	499	30.68741145	6/1/2006		0
2006	6	105.3116	39.92548	86.5434	3.861645	4	609885	380	30.26579056	6/1/2006		0
2006	7	260.1865	129.1197	2.945323	0	1	1.83E+08	144118	30.19506356	7/1/2006	1271.277	0
2006	7	260.1865	129.1197	2.945323	0	2	1.22E+08	29279	30.63196915	7/1/2006	4161.478	0
2006	7	260.1865	129.1197	2.945323	0	3.1	28118323	946	30.76517279	7/1/2006		0
2006	7	260.1865	129.1197	2.945323	0	3.15	67682053	505	30.76517279	7/1/2006		0
2006	7	260.1865	129.1197	2.945323	0	4	635988	381	30.95578444	7/1/2006		0
2006	8	410.1525	260.3829	0	0	1	2.05E+08	144248	28.97764523	8/1/2006	1424.174	0
2006	8	410.1525	260.3829	0	0	2	1.26E+08	29339	28.80993701	8/1/2006	4287.821	0
2006	8	410.1525	260.3829	0	0	3.1	26498756	941	29.97746177	8/1/2006		0
2006	8	410.1525	260.3829	0	0	3.15	70214240	510	29.97746177	8/1/2006		0
2006	8	410.1525	260.3829	0	0	4	711119	381	30.68295524	8/1/2006		0
2006	9	260.7756	142.7336	11.27404	0.916323	1	1.81E+08	144269	30.28493272	9/1/2006	1255.082	0
2006	9	260.7756	142.7336	11.27404	0.916323	2	1.27E+08	29384	30.86706245	9/1/2006	4337.341	0
2006	9	260.7756	142.7336	11.27404	0.916323	3.1	27315712	941	30.70164458	9/1/2006		0
2006	9	260.7756	142.7336	11.27404	0.916323	3.15	75348482	508	30.70164458	9/1/2006		0
2006	9	260.7756	142.7336	11.27404	0.916323	4	784628	379	30.08968432	9/1/2006		0
2006	10	36.76744	3.927097	154.5313	37.9783	1	1.4E+08	144313	29.72338141	10/1/2006	971.2379	0
2006	10	36.76744	3.927097	154.5313	37.9783	2	1.07E+08	29597	29.64891681	10/1/2006	3618.29	0
2006	10	36.76744	3.927097	154.5313	37.9783	3.1	27468247	941	30.08372557	10/1/2006		0
2006	10	36.76744	3.927097	154.5313	37.9783	3.15	74890989	511	30.08372557	10/1/2006		0
2006	10	36.76744	3.927097	154.5313	37.9783	4	909381	379	30.81566233	10/1/2006		0
2006	11	2.53625	0.523613	459.683	209.2161	1	1.78E+08	144545	28.98546665	11/1/2006	1232.087	0
2006	11	2.53625	0.523613	459.683	209.2161	2	1.06E+08	29433	29.5718046	11/1/2006	3597.163	0
2006	11	2.53625	0.523613	459.683	209.2161	3.1	25250942	944	30.50539357	11/1/2006		0
2006	11	2.53625	0.523613	459.683	209.2161	3.15	81432231	507	30.50539357	11/1/2006		0
2006	11	2.53625	0.523613	459.683	209.2161	4	953147	380	29.90275777	11/1/2006		0
2006	12	2.65079	0	611.3508	329.9252	1	2.57E+08	144554	31.71849607	12/1/2006	1774.978	0
2006	12	2.65079	0	611.3508	329.9252	2	1.21E+08	29354	31.74469165	12/1/2006	4132.063	0
2006	12	2.65079	0	611.3508	329.9252	3.1	29196648	944	31.35361108	12/1/2006		0
2006	12	2.65079	0	611.3508	329.9252	3.15	86496578	503	31.35361108	12/1/2006		0
2006	12	2.65079	0	611.3508	329.9252	4	1039977	380	30.99287874	12/1/2006		0

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YEAR	MONTH	bcdd65	bcdd70	bhdd65	bhdd55	REVCLS	KWH	CUST	MET_DAYS	time	USAGE	ind1	
2007	1	0.294532		0	651.1454	354.0605	1	2.74E+08	144815	32.74613048	1/1/2007	1894.407	0
2007	1	0.294532		0	651.1454	354.0605	2	1.27E+08	29460	32.95469914	1/1/2007	4316.761	0
2007	1	0.294532		0	651.1454	354.0605	3.1	45584929	949	32.07771135	1/1/2007		0
2007	1	0.294532		0	651.1454	354.0605	3.15	82579153	500	32.07771135	1/1/2007		0
2007	1	0.294532		0	651.1454	354.0605	4	1039065	378	31.28988797	1/1/2007		0
2007	2	0		0	1012.144	712.2772	1	3.21E+08	144843	29.15659043	2/1/2007	2214.653	0
2007	2	0		0	1012.144	712.2772	2	1.32E+08	29416	29.34591208	2/1/2007	4492.871	0
2007	2	0		0	1012.144	712.2772	3.1	13446420	943	29.24756586	2/1/2007		0
2007	2	0		0	1012.144	712.2772	3.15	87263813	493	29.24756586	2/1/2007		0
2007	2	0		0	1012.144	712.2772	4	883288	376	28.31837854	2/1/2007		0
2007	3	2.258081	0.081815	890.191	601.1894		1	2.67E+08	144494	28.98987993	3/1/2007	1845.838	0
2007	3	2.258081	0.081815	890.191	601.1894		2	1.22E+08	29460	29.09363403	3/1/2007	4145.127	0
2007	3	2.258081	0.081815	890.191	601.1894		3.1	25673293	938	30.04954513	3/1/2007		0
2007	3	2.258081	0.081815	890.191	601.1894		3.15	81763478	497	30.04954513	3/1/2007		0
2007	3	2.258081	0.081815	890.191	601.1894		4	869098	376	30.71104325	3/1/2007		0
2007	4	29.4205	2.994411	392.9551	207.8252		1	1.83E+08	144179	30.59399027	4/1/2007	1270.903	0
2007	4	29.4205	2.994411	392.9551	207.8252		2	1.13E+08	29427	30.79881755	4/1/2007	3826.304	0
2007	4	29.4205	2.994411	392.9551	207.8252		3.1	28799826	935	30.24432179	4/1/2007		0
2007	4	29.4205	2.994411	392.9551	207.8252		3.15	76607403	488	30.24432179	4/1/2007		0
2007	4	29.4205	2.994411	392.9551	207.8252		4	751038	374	30.13104101	4/1/2007		0
2007	5	51.0359	8.361444	211.4251	78.36194		1	1.5E+08	143841	29.71183456	5/1/2007	1045.1	0
2007	5	51.0359	8.361444	211.4251	78.36194		2	1.09E+08	29570	30.02799106	5/1/2007	3702.272	0
2007	5	51.0359	8.361444	211.4251	78.36194		3.1	23574134	931	30.31274404	5/1/2007		0
2007	5	51.0359	8.361444	211.4251	78.36194		3.15	70193314	484	30.31274404	5/1/2007		0
2007	5	51.0359	8.361444	211.4251	78.36194		4	676558	374	29.21357826	5/1/2007		0
2007	6	180.4337	70.42594	40.92362	3.223492		1	1.65E+08	143743	30.18442343	6/1/2007	1145.912	0
2007	6	180.4337	70.42594	40.92362	3.223492		2	1.18E+08	29678	30.43058715	6/1/2007	3971.275	0
2007	6	180.4337	70.42594	40.92362	3.223492		3.1	31100581	944	30.23150997	6/1/2007		0
2007	6	180.4337	70.42594	40.92362	3.223492		3.15	67167863	481	30.23150997	6/1/2007		0
2007	6	180.4337	70.42594	40.92362	3.223492		4	563168	373	29.44078808	6/1/2007		0
2007	7	293.4687	147.6588	0	0		1	1.83E+08	143666	29.65501117	7/1/2007	1271.358	0
2007	7	293.4687	147.6588	0	0		2	1.22E+08	29736	30.11776512	7/1/2007	4112.195	0
2007	7	293.4687	147.6588	0	0		3.1	23135114	941	30.03076866	7/1/2007		0
2007	7	293.4687	147.6588	0	0		3.15	62392397	491	30.03076866	7/1/2007		0
2007	7	293.4687	147.6588	0	0		4	529233	372	30.45980938	7/1/2007		0
2007	8	344.0464	199.6438	0	0		1	1.94E+08	143970	29.23693605	8/1/2007	1344.389	0

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YEAR	MONTH	bcdd65	bcdd70	bhdd65	bhdd55	REVCLS	KWH	CUST	MET_DAYS	time	USAGE	ind1
2007	8	344.0464	199.6438	0	0	2	1.25E+08	29828	29.35278207	8/1/2007	4194.292	0
2007	8	344.0464	199.6438	0	0	3.1	25468260	941	30.43932171	8/1/2007		0
2007	8	344.0464	199.6438	0	0	3.15	65648050	490	30.43932171	8/1/2007		0
2007	8	344.0464	199.6438	0	0	4	457458	365	30.57461141	8/1/2007		0
2007	9	379.4557	237.2457	5.727016	0	1	2.08E+08	144118	30.11877711	9/1/2007	1445.614	0
2007	9	379.4557	237.2457	5.727016	0	2	1.35E+08	29876	30.39758798	9/1/2007	4524.661	0
2007	9	379.4557	237.2457	5.727016	0	3.1	37284191	942	30.58261115	9/1/2007		0
2007	9	379.4557	237.2457	5.727016	0	3.15	68700744	485	30.58261115	9/1/2007		0
2007	9	379.4557	237.2457	5.727016	0	4	1269346	388	30.49225463	9/1/2007		0
2007	10	176.3103	86.52703	48.31965	6.59425	1	1.54E+08	144087	29.36019699	10/1/2007	1068.75	0
2007	10	176.3103	86.52703	48.31965	6.59425	2	1.17E+08	29925	29.64791229	10/1/2007	3900.932	0
2007	10	176.3103	86.52703	48.31965	6.59425	3.1	64118978	936	29.54948455	10/1/2007		0
2007	10	176.3103	86.52703	48.31965	6.59425	3.15	67941933	480	29.54948455	10/1/2007		0
2007	10	176.3103	86.52703	48.31965	6.59425	4	976250	377	30.07159128	10/1/2007		0
2007	11	29.89502	11.91219	332.0851	128.7597	1	1.64E+08	144181	29.79921161	11/1/2007	1140.306	0
2007	11	29.89502	11.91219	332.0851	128.7597	2	1.09E+08	29935	30.07807471	11/1/2007	3638.874	0
2007	11	29.89502	11.91219	332.0851	128.7597	3.1	-19235	937	31.00186769	11/1/2007		0
2007	11	29.89502	11.91219	332.0851	128.7597	3.15	72709044	476	31.00186769	11/1/2007		0
2007	11	29.89502	11.91219	332.0851	128.7597	4	911564	374	31.26916309	11/1/2007		0
2007	12	0	0	649.7709	366.3981	1	2.44E+08	144542	31.9804611	12/1/2007	1690.171	0
2007	12	0	0	649.7709	366.3981	2	1.23E+08	29922	32.11236679	12/1/2007	4104.967	0
2007	12	0	0	649.7709	366.3981	3.1	31903494	935	31.21972537	12/1/2007		0
2007	12	0	0	649.7709	366.3981	3.15	79162714	471	31.21972537	12/1/2007		0
2007	12	0	0	649.7709	366.3981	4	1089287	373	31.34006539	12/1/2007		0
2008	1	0	0	790.5409	497.9886	1	3.06E+08	144825	32.80213385	1/1/2008	2114.912	0
2008	1	0	0	790.5409	497.9886	2	1.36E+08	29969	33.06407303	1/1/2008	4537.64	0
2008	1	0	0	790.5409	497.9886	3.1	30910789	937	31.6846996	1/1/2008		0
2008	1	0	0	790.5409	497.9886	3.15	84478260	473	31.6846996	1/1/2008		0
2008	1	0	0	790.5409	497.9886	4	1099924	380	31.88563862	1/1/2008		0
2008	2	0	0	901.6778	607.8164	1	2.9E+08	144690	29.24555342	2/1/2008	2006.611	0
2008	2	0	0	901.6778	607.8164	2	1.29E+08	29955	29.36259128	2/1/2008	4298.883	0
2008	2	0	0	901.6778	607.8164	3.1	33433439	940	29.26922797	2/1/2008		0
2008	2	0	0	901.6778	607.8164	3.15	82790927	475	29.26922797	2/1/2008		0
2008	2	0	0	901.6778	607.8164	4	939135	379	29.3140569	2/1/2008		0
2008	3	0	0	816.0671	519.7349	1	2.61E+08	144365	29.09201907	3/1/2008	1805.065	0
2008	3	0	0	816.0671	519.7349	2	1.23E+08	29975	29.48052138	3/1/2008	4092.693	0

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YEAR	MONTH	bcdd65	bcdd70	bhdd65	bhdd55	REVCLS	KWH	CUST	MET_DAYS	time	USAGE	ind1
2008	3	0	0	816.0671	519.7349	3.1	29783572	952	29.81768482	3/1/2008		0
2008	3	0	0	816.0671	519.7349	3.15	78877911	469	29.81768482	3/1/2008		0
2008	3	0	0	816.0671	519.7349	4	897117	376	30.19912861	3/1/2008		0
2008	4	1.439935	0.065452	494.8633	234.235	1	1.93E+08	143988	30.45361505	4/1/2008	1341.179	0
2008	4	1.439935	0.065452	494.8633	234.235	2	1.13E+08	30023	30.3364354	4/1/2008	3758.422	0
2008	4	1.439935	0.065452	494.8633	234.235	3.1	26974603	947	30.48542445	4/1/2008		0
2008	4	1.439935	0.065452	494.8633	234.235	3.15	77236954	462	30.48542445	4/1/2008		0
2008	4	1.439935	0.065452	494.8633	234.235	4	815643	383	30.47598908	4/1/2008		0
2008	5	18.76825	2.225355	219.9992	52.01767	1	1.38E+08	143799	29.05732311	5/1/2008	961.2563	0
2008	5	18.76825	2.225355	219.9992	52.01767	2	1.03E+08	30069	29.31006152	5/1/2008	3435.762	0
2008	5	18.76825	2.225355	219.9992	52.01767	3.1	28356766	948	30.33482759	5/1/2008		0
2008	5	18.76825	2.225355	219.9992	52.01767	3.15	72809839	461	30.33482759	5/1/2008		0
2008	5	18.76825	2.225355	219.9992	52.01767	4	645346	374	30.12411562	5/1/2008		0
2008	6	111.5786	54.12848	97.01565	3.567113	1	1.53E+08	143710	30.47883875	6/1/2008	1065.973	0
2008	6	111.5786	54.12848	97.01565	3.567113	2	1.15E+08	30080	30.75832118	6/1/2008	3821.1	0
2008	6	111.5786	54.12848	97.01565	3.567113	3.1	31445688	956	30.406167	6/1/2008		0
2008	6	111.5786	54.12848	97.01565	3.567113	3.15	71882602	460	30.406167	6/1/2008		0
2008	6	111.5786	54.12848	97.01565	3.567113	4	575093	373	29.89861301	6/1/2008		0
2008	7	232.4187	105.9825	0.867234	0	1	1.79E+08	143789	30.12991833	7/1/2008	1245.206	0
2008	7	232.4187	105.9825	0.867234	0	2	1.23E+08	29341	30.34804286	7/1/2008	4186.27	0
2008	7	232.4187	105.9825	0.867234	0	3.1	31326358	957	30.6529286	7/1/2008		0
2008	7	232.4187	105.9825	0.867234	0	3.15	64955984	466	30.6529286	7/1/2008		0
2008	7	232.4187	105.9825	0.867234	0	4	743510	386	31.00513206	7/1/2008		0
2008	8	281.3765	136.5812	0	0	1	1.87E+08	143832	29.61115826	8/1/2008	1302.138	0
2008	8	281.3765	136.5812	0	0	2	1.25E+08	29387	29.82656979	8/1/2008	4248.939	0
2008	8	281.3765	136.5812	0	0	3.1	29028641	951	29.39112959	8/1/2008		0
2008	8	281.3765	136.5812	0	0	3.15	70064873	460	29.39112959	8/1/2008		0
2008	8	281.3765	136.5812	0	0	4	771268	380	29.66357631	8/1/2008		0
2008	9	261.0538	123.0818	0	0	1	1.78E+08	143855	30.11182506	9/1/2008	1237.861	0
2008	9	261.0538	123.0818	0	0	2	1.27E+08	29479	30.36998382	9/1/2008	4312.959	0
2008	9	261.0538	123.0818	0	0	3.1	34979373	966	30.43884742	9/1/2008		0
2008	9	261.0538	123.0818	0	0	3.15	71070385	464	30.43884742	9/1/2008		0
2008	9	261.0538	123.0818	0	0	4	740769	376	30.40060978	9/1/2008		0
2008	10	101.63	32.85671	62.24448	8.639613	1	1.43E+08	143884	29.35763942	10/1/2008	992.8995	0
2008	10	101.63	32.85671	62.24448	8.639613	2	1.11E+08	29482	29.42097951	10/1/2008	3779.305	0
2008	10	101.63	32.85671	62.24448	8.639613	3.1	39087486	972	30.15883009	10/1/2008		0

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YEAR	MONTH	bccd65	bccd70	bhdd65	bhdd55	REVCLS	KWH	CUST	MET_DAYS	time	USAGE	ind1
2008	10	101.63	32.85671	62.24448	8.639613	3.15	71362114	469	30.15883009	10/1/2008		0
2008	10	101.63	32.85671	62.24448	8.639613	4	985844	379	29.82066747	10/1/2008		0
2008	11	12.14618	2.263535	366.6354	141.9253	1			29.118389	11/1/2008		0
2008	11	12.14618	2.263535	366.6354	141.9253	2			29.53508422	11/1/2008		0
2008	11	12.14618	2.263535	366.6354	141.9253	3.1			29.90945365	11/1/2008		0
2008	11	12.14618	2.263535	366.6354	141.9253	3.15			29.90945365	11/1/2008		0
2008	11	12.14618	2.263535	366.6354	141.9253	4			29.70439403	11/1/2008		0
2008	12	1.742104	0.17781	648.5633	366.913	1			31.98439316	12/1/2008		0
2008	12	1.742104	0.17781	648.5633	366.913	2			32.14106964	12/1/2008		0
2008	12	1.742104	0.17781	648.5633	366.913	3.1			31.92290406	12/1/2008		0
2008	12	1.742104	0.17781	648.5633	366.913	3.15			31.92290406	12/1/2008		0
2008	12	1.742104	0.17781	648.5633	366.913	4			31.2079869	12/1/2008		0
2009	1	0.368711	0	877.7999	581.6619	1			32.83575623	1/1/2009		0
2009	1	0.368711	0	877.7999	581.6619	2			32.96778268	1/1/2009		0
2009	1	0.368711	0	877.7999	581.6619	3.1			31.7331054	1/1/2009		0
2009	1	0.368711	0	877.7999	581.6619	3.15			31.7331054	1/1/2009		0
2009	1	0.368711	0	877.7999	581.6619	4			31.5405524	1/1/2009		0
2009	2	0.045816	0	934.6349	635.7332	1			29.30555432	2/1/2009		0
2009	2	0.045816	0	934.6349	635.7332	2			29.53973602	2/1/2009		0
2009	2	0.045816	0	934.6349	635.7332	3.1			29.34345561	2/1/2009		0
2009	2	0.045816	0	934.6349	635.7332	3.15			29.34345561	2/1/2009		0
2009	2	0.045816	0	934.6349	635.7332	4			28.73270355	2/1/2009		0
2009	3	1.252308	0.151084	753.6475	463.579	1			28.98145151	3/1/2009		0
2009	3	1.252308	0.151084	753.6475	463.579	2			29.18108366	3/1/2009		0
2009	3	1.252308	0.151084	753.6475	463.579	3.1			29.92606081	3/1/2009		0
2009	3	1.252308	0.151084	753.6475	463.579	3.15			29.92606081	3/1/2009		0
2009	3	1.252308	0.151084	753.6475	463.579	4			30.54667296	3/1/2009		0
2009	4	12.6518	2.647518	477.0119	233.1905	1			30.04692994	4/1/2009		0
2009	4	12.6518	2.647518	477.0119	233.1905	2			30.19891908	4/1/2009		0
2009	4	12.6518	2.647518	477.0119	233.1905	3.1			30.17848256	4/1/2009		0
2009	4	12.6518	2.647518	477.0119	233.1905	3.15			30.17848256	4/1/2009		0
2009	4	12.6518	2.647518	477.0119	233.1905	4			30.13542414	4/1/2009		0
2009	5	42.61718	11.44585	217.5388	59.21298	1			29.41758996	5/1/2009		0
2009	5	42.61718	11.44585	217.5388	59.21298	2			29.61339613	5/1/2009		0
2009	5	42.61718	11.44585	217.5388	59.21298	3.1			29.84682511	5/1/2009		0
2009	5	42.61718	11.44585	217.5388	59.21298	3.15			29.84682511	5/1/2009		0

KPC\_Use\_Model\_Input

YEAR	MONTH	bcdd65	bcdd70	bhdd65	bhdd55	REVCLS	KWH	CUST	MET_DAYS	time	USAGE	ind1
2009	5	42.61718	11.44585	217.5388	59.21298		4		30.25496053	5/1/2009		0
2009	6	131.279	53.22525	66.08377	6.354261		1		30.49014988	6/1/2009		0
2009	6	131.279	53.22525	66.08377	6.354261		2		30.89122135	6/1/2009		0
2009	6	131.279	53.22525	66.08377	6.354261	3.1			30.42409972	6/1/2009		0
2009	6	131.279	53.22525	66.08377	6.354261	3.15			30.42409972	6/1/2009		0
2009	6	131.279	53.22525	66.08377	6.354261		4		30.05213684	6/1/2009		0
2009	7	279.4773	146.4545	4.60343	0.032726		1		30.12420263	7/1/2009		0
2009	7	279.4773	146.4545	4.60343	0.032726		2		30.47689222	7/1/2009		0
2009	7	279.4773	146.4545	4.60343	0.032726	3.1			30.5881427	7/1/2009		0
2009	7	279.4773	146.4545	4.60343	0.032726	3.15			30.5881427	7/1/2009		0
2009	7	279.4773	146.4545	4.60343	0.032726		4		30.87312413	7/1/2009		0
2009	8	339.383	193.4046	0.543248	0		1		29.19304642	8/1/2009		0
2009	8	339.383	193.4046	0.543248	0		2		29.27851677	8/1/2009		0
2009	8	339.383	193.4046	0.543248	0	3.1			30.0284569	8/1/2009		0
2009	8	339.383	193.4046	0.543248	0	3.15			30.0284569	8/1/2009		0
2009	8	339.383	193.4046	0.543248	0		4		30.44423365	8/1/2009		0
2009	9	265.6916	136.9924	8.327081	0.247625		1		30.1222198	9/1/2009		0
2009	9	265.6916	136.9924	8.327081	0.247625		2		30.41462405	9/1/2009		0
2009	9	265.6916	136.9924	8.327081	0.247625	3.1			30.42656091	9/1/2009		0
2009	9	265.6916	136.9924	8.327081	0.247625	3.15			30.42656091	9/1/2009		0
2009	9	265.6916	136.9924	8.327081	0.247625		4		30.20807494	9/1/2009		0
2009	10	86.34159	32.65545	123.241	23.18896		1		29.44911056	10/1/2009		0
2009	10	86.34159	32.65545	123.241	23.18896		2		29.68323264	10/1/2009		0
2009	10	86.34159	32.65545	123.241	23.18896	3.1			30.03211441	10/1/2009		0
2009	10	86.34159	32.65545	123.241	23.18896	3.15			30.03211441	10/1/2009		0
2009	10	86.34159	32.65545	123.241	23.18896		4		30.49645297	10/1/2009		0
2009	11	12.14618	2.263535	366.6354	141.9253		1		29.23652399	11/1/2009		0
2009	11	12.14618	2.263535	366.6354	141.9253		2		29.63305725	11/1/2009		0
2009	11	12.14618	2.263535	366.6354	141.9253	3.1			30.18068677	11/1/2009		0
2009	11	12.14618	2.263535	366.6354	141.9253	3.15			30.18068677	11/1/2009		0
2009	11	12.14618	2.263535	366.6354	141.9253		4		30.12532517	11/1/2009		0
2009	12	1.742104	0.17781	648.5633	366.913		1		31.98439316	12/1/2009		0
2009	12	1.742104	0.17781	648.5633	366.913		2		32.14106964	12/1/2009		0
2009	12	1.742104	0.17781	648.5633	366.913	3.1			31.92290406	12/1/2009		0
2009	12	1.742104	0.17781	648.5633	366.913	3.15			31.92290406	12/1/2009		0
2009	12	1.742104	0.17781	648.5633	366.913		4		31.2079869	12/1/2009		0

KPC\_Use\_Model\_Input

YEAR	MONTH	bcdd65	bcdd70	bhdd65	bhdd55	REVCLS	KWH	CUST	MET_DAYS	time	USAGE	ind1
2010	1	0.368711	0	877.7999	581.6619	1			32.83575623	1/1/2010		0
2010	1	0.368711	0	877.7999	581.6619	2			32.96778268	1/1/2010		0
2010	1	0.368711	0	877.7999	581.6619	3.1			31.7331054	1/1/2010		0
2010	1	0.368711	0	877.7999	581.6619	3.15			31.7331054	1/1/2010		0
2010	1	0.368711	0	877.7999	581.6619	4			31.5405524	1/1/2010		0
2010	2	0.045816	0	934.6349	635.7332	1			29.30555432	2/1/2010		0
2010	2	0.045816	0	934.6349	635.7332	2			29.53973602	2/1/2010		0
2010	2	0.045816	0	934.6349	635.7332	3.1			29.34345561	2/1/2010		0
2010	2	0.045816	0	934.6349	635.7332	3.15			29.34345561	2/1/2010		0
2010	2	0.045816	0	934.6349	635.7332	4			28.73270355	2/1/2010		0
2010	3	1.252308	0.151084	753.6475	463.579	1			28.98145151	3/1/2010		0
2010	3	1.252308	0.151084	753.6475	463.579	2			29.18108366	3/1/2010		0
2010	3	1.252308	0.151084	753.6475	463.579	3.1			29.92606081	3/1/2010		0
2010	3	1.252308	0.151084	753.6475	463.579	3.15			29.92606081	3/1/2010		0
2010	3	1.252308	0.151084	753.6475	463.579	4			30.54667296	3/1/2010		0
2010	4	12.6518	2.647518	477.0119	233.1905	1			30.04692994	4/1/2010		0
2010	4	12.6518	2.647518	477.0119	233.1905	2			30.19891908	4/1/2010		0
2010	4	12.6518	2.647518	477.0119	233.1905	3.1			30.17848256	4/1/2010		0
2010	4	12.6518	2.647518	477.0119	233.1905	3.15			30.17848256	4/1/2010		0
2010	4	12.6518	2.647518	477.0119	233.1905	4			30.13542414	4/1/2010		0
2010	5	42.61718	11.44585	217.5388	59.21298	1			29.41758996	5/1/2010		0
2010	5	42.61718	11.44585	217.5388	59.21298	2			29.61339613	5/1/2010		0
2010	5	42.61718	11.44585	217.5388	59.21298	3.1			29.84682511	5/1/2010		0
2010	5	42.61718	11.44585	217.5388	59.21298	3.15			29.84682511	5/1/2010		0
2010	5	42.61718	11.44585	217.5388	59.21298	4			30.25496053	5/1/2010		0
2010	6	131.279	53.22525	66.08377	6.354261	1			30.49014988	6/1/2010		0
2010	6	131.279	53.22525	66.08377	6.354261	2			30.89122135	6/1/2010		0
2010	6	131.279	53.22525	66.08377	6.354261	3.1			30.42409972	6/1/2010		0
2010	6	131.279	53.22525	66.08377	6.354261	3.15			30.42409972	6/1/2010		0
2010	6	131.279	53.22525	66.08377	6.354261	4			30.05213684	6/1/2010		0
2010	7	279.4773	146.4545	4.60343	0.032726	1			30.12420263	7/1/2010		0
2010	7	279.4773	146.4545	4.60343	0.032726	2			30.47689222	7/1/2010		0
2010	7	279.4773	146.4545	4.60343	0.032726	3.1			30.5881427	7/1/2010		0
2010	7	279.4773	146.4545	4.60343	0.032726	3.15			30.5881427	7/1/2010		0
2010	7	279.4773	146.4545	4.60343	0.032726	4			30.87312413	7/1/2010		0
2010	8	339.383	193.4046	0.543248	0	1			29.19304642	8/1/2010		0

KPC\_Use\_Model\_Input

YEAR	MONTH	bcdd65	bcdd70	bhdd65	bhdd55	REVCLS	KWH	CUST	MET_DAYS	time	USAGE	ind1
2010	8	339.383	193.4046	0.543248	0	2			29.27851677	8/1/2010		0
2010	8	339.383	193.4046	0.543248	0	3.1			30.0284569	8/1/2010		0
2010	8	339.383	193.4046	0.543248	0	3.15			30.0284569	8/1/2010		0
2010	8	339.383	193.4046	0.543248	0	4			30.44423365	8/1/2010		0
2010	9	265.6916	136.9924	8.327081	0.247625	1			30.1222198	9/1/2010		0
2010	9	265.6916	136.9924	8.327081	0.247625	2			30.41462405	9/1/2010		0
2010	9	265.6916	136.9924	8.327081	0.247625	3.1			30.42656091	9/1/2010		0
2010	9	265.6916	136.9924	8.327081	0.247625	3.15			30.42656091	9/1/2010		0
2010	9	265.6916	136.9924	8.327081	0.247625	4			30.20807494	9/1/2010		0
2010	10	86.34159	32.65545	123.241	23.18896	1			29.44911056	10/1/2010		0
2010	10	86.34159	32.65545	123.241	23.18896	2			29.68323264	10/1/2010		0
2010	10	86.34159	32.65545	123.241	23.18896	3.1			30.03211441	10/1/2010		0
2010	10	86.34159	32.65545	123.241	23.18896	3.15			30.03211441	10/1/2010		0
2010	10	86.34159	32.65545	123.241	23.18896	4			30.49645297	10/1/2010		0
2010	11	12.14618	2.263535	366.6354	141.9253	1			29.23652399	11/1/2010		0
2010	11	12.14618	2.263535	366.6354	141.9253	2			29.63305725	11/1/2010		0
2010	11	12.14618	2.263535	366.6354	141.9253	3.1			30.18068677	11/1/2010		0
2010	11	12.14618	2.263535	366.6354	141.9253	3.15			30.18068677	11/1/2010		0
2010	11	12.14618	2.263535	366.6354	141.9253	4			30.12532517	11/1/2010		0
2010	12	1.742104	0.17781	648.5633	366.913	1			31.98439316	12/1/2010		0
2010	12	1.742104	0.17781	648.5633	366.913	2			32.14106964	12/1/2010		0
2010	12	1.742104	0.17781	648.5633	366.913	3.1			31.92290406	12/1/2010		0
2010	12	1.742104	0.17781	648.5633	366.913	3.15			31.92290406	12/1/2010		0
2010	12	1.742104	0.17781	648.5633	366.913	4			31.2079869	12/1/2010		0
2011	1	0.368711	0	877.7999	581.6619	1			32.83575623	1/1/2011		0
2011	1	0.368711	0	877.7999	581.6619	2			32.96778268	1/1/2011		0
2011	1	0.368711	0	877.7999	581.6619	3.1			31.7331054	1/1/2011		0
2011	1	0.368711	0	877.7999	581.6619	3.15			31.7331054	1/1/2011		0
2011	1	0.368711	0	877.7999	581.6619	4			31.5405524	1/1/2011		0
2011	2	0.045816	0	934.6349	635.7332	1			29.30555432	2/1/2011		0
2011	2	0.045816	0	934.6349	635.7332	2			29.53973602	2/1/2011		0
2011	2	0.045816	0	934.6349	635.7332	3.1			29.34345561	2/1/2011		0
2011	2	0.045816	0	934.6349	635.7332	3.15			29.34345561	2/1/2011		0
2011	2	0.045816	0	934.6349	635.7332	4			28.73270355	2/1/2011		0
2011	3	1.252308	0.151084	753.6475	463.579	1			28.98145151	3/1/2011		0
2011	3	1.252308	0.151084	753.6475	463.579	2			29.18108366	3/1/2011		0



KPC\_Use\_Model\_Input

YEAR	MONTH	bcdd65	bcdd70	bhdd65	bhdd55	REVCLS	KWH	CUST	MET_DAYS	time	USAGE	ind1
2011	3	1.252308	0.151084	753.6475	463.579		3.1		29.92606081	3/1/2011		0
2011	3	1.252308	0.151084	753.6475	463.579	3.15			29.92606081	3/1/2011		0
2011	3	1.252308	0.151084	753.6475	463.579		4		30.54667296	3/1/2011		0
2011	4	12.6518	2.647518	477.0119	233.1905		1		30.04692994	4/1/2011		0
2011	4	12.6518	2.647518	477.0119	233.1905		2		30.19891908	4/1/2011		0
2011	4	12.6518	2.647518	477.0119	233.1905	3.1			30.17848256	4/1/2011		0
2011	4	12.6518	2.647518	477.0119	233.1905	3.15			30.17848256	4/1/2011		0
2011	4	12.6518	2.647518	477.0119	233.1905		4		30.13542414	4/1/2011		0
2011	5	42.61718	11.44585	217.5388	59.21298		1		29.41758996	5/1/2011		0
2011	5	42.61718	11.44585	217.5388	59.21298		2		29.61339613	5/1/2011		0
2011	5	42.61718	11.44585	217.5388	59.21298	3.1			29.84682511	5/1/2011		0
2011	5	42.61718	11.44585	217.5388	59.21298	3.15			29.84682511	5/1/2011		0
2011	5	42.61718	11.44585	217.5388	59.21298		4		30.25496053	5/1/2011		0
2011	6	131.279	53.22525	66.08377	6.354261		1		30.49014988	6/1/2011		0
2011	6	131.279	53.22525	66.08377	6.354261		2		30.89122135	6/1/2011		0
2011	6	131.279	53.22525	66.08377	6.354261	3.1			30.42409972	6/1/2011		0
2011	6	131.279	53.22525	66.08377	6.354261	3.15			30.42409972	6/1/2011		0
2011	6	131.279	53.22525	66.08377	6.354261		4		30.05213684	6/1/2011		0
2011	7	279.4773	146.4545	4.60343	0.032726		1		30.12420263	7/1/2011		0
2011	7	279.4773	146.4545	4.60343	0.032726		2		30.47689222	7/1/2011		0
2011	7	279.4773	146.4545	4.60343	0.032726	3.1			30.5881427	7/1/2011		0
2011	7	279.4773	146.4545	4.60343	0.032726	3.15			30.5881427	7/1/2011		0
2011	7	279.4773	146.4545	4.60343	0.032726		4		30.87312413	7/1/2011		0
2011	8	339.383	193.4046	0.543248	0		1		29.19304642	8/1/2011		0
2011	8	339.383	193.4046	0.543248	0		2		29.27851677	8/1/2011		0
2011	8	339.383	193.4046	0.543248	0	3.1			30.0284569	8/1/2011		0
2011	8	339.383	193.4046	0.543248	0	3.15			30.0284569	8/1/2011		0
2011	8	339.383	193.4046	0.543248	0		4		30.44423365	8/1/2011		0
2011	9	265.6916	136.9924	8.327081	0.247625		1		30.1222198	9/1/2011		0
2011	9	265.6916	136.9924	8.327081	0.247625		2		30.41462405	9/1/2011		0
2011	9	265.6916	136.9924	8.327081	0.247625	3.1			30.42656091	9/1/2011		0
2011	9	265.6916	136.9924	8.327081	0.247625	3.15			30.42656091	9/1/2011		0
2011	9	265.6916	136.9924	8.327081	0.247625		4		30.20807494	9/1/2011		0
2011	10	86.34159	32.65545	123.241	23.18896		1		29.44911056	10/1/2011		0
2011	10	86.34159	32.65545	123.241	23.18896		2		29.68323264	10/1/2011		0
2011	10	86.34159	32.65545	123.241	23.18896	3.1			30.03211441	10/1/2011		0

KPC\_Use\_Model\_Input

YEAR	MONTH	bcdd65	bcdd70	bhdd65	bhdd55	REVCLS	KWH	CUST	MET_DAYS	time	USAGE	ind1
2011	10	86.34159	32.65545	123.241	23.18896	3.15			30.03211441	10/1/2011		0
2011	10	86.34159	32.65545	123.241	23.18896	4			30.49645297	10/1/2011		0
2011	11	12.14618	2.263535	366.6354	141.9253	1			29.23652399	11/1/2011		0
2011	11	12.14618	2.263535	366.6354	141.9253	2			29.63305725	11/1/2011		0
2011	11	12.14618	2.263535	366.6354	141.9253	3.1			30.18068677	11/1/2011		0
2011	11	12.14618	2.263535	366.6354	141.9253	3.15			30.18068677	11/1/2011		0
2011	11	12.14618	2.263535	366.6354	141.9253	4			30.12532517	11/1/2011		0
2011	12	1.742104	0.17781	648.5633	366.913	1			31.98439316	12/1/2011		0
2011	12	1.742104	0.17781	648.5633	366.913	2			32.14106964	12/1/2011		0
2011	12	1.742104	0.17781	648.5633	366.913	3.1			31.92290406	12/1/2011		0
2011	12	1.742104	0.17781	648.5633	366.913	3.15			31.92290406	12/1/2011		0
2011	12	1.742104	0.17781	648.5633	366.913	4			31.2079869	12/1/2011		0

KPC\_Use\_Model\_Input

YEAR	MONTH	ind2	ind3	ind4	ind5	ind6	ind7	ind8	min1	min2	or1	or2
1998	1	0	0	0	0	0	0	0	0	0	0	0
1998	1	0	0	0	0	0	0	0	0	0	0	0
1998	1	0	0	0	0	0	0	0	0	0	0	0
1998	1	0	0	0	0	0	0	0	0	0	0	0
1998	1	0	0	0	0	0	0	0	0	0	0	0
1998	2	0	0	0	0	0	0	0	0	0	0	0
1998	2	0	0	0	0	0	0	0	0	0	0	0
1998	2	0	0	0	0	0	0	0	0	0	0	0
1998	2	0	0	0	0	0	0	0	0	0	0	0
1998	2	0	0	0	0	0	0	0	0	0	0	0
1998	3	0	0	0	0	0	0	0	0	0	0	0
1998	3	0	0	0	0	0	0	0	0	0	0	0
1998	3	0	0	0	0	0	0	0	0	0	0	0
1998	3	0	0	0	0	0	0	0	0	0	0	0
1998	3	0	0	0	0	0	0	0	0	0	0	0
1998	4	0	0	0	0	0	0	0	0	0	0	0
1998	4	0	0	0	0	0	0	0	0	0	0	0
1998	4	0	0	0	0	0	0	0	0	0	0	0
1998	4	0	0	0	0	0	0	0	0	0	0	0
1998	4	0	0	0	0	0	0	0	0	0	0	0
1998	5	0	0	0	0	0	0	0	0	0	0	0
1998	5	0	0	0	0	0	0	0	0	0	0	0
1998	5	0	0	0	0	0	0	0	0	0	0	0
1998	5	0	0	0	0	0	0	0	0	0	0	0
1998	5	0	0	0	0	0	0	0	0	0	0	0
1998	6	0	0	0	0	0	0	0	0	0	0	0
1998	6	0	0	0	0	0	0	0	0	0	0	0
1998	6	0	0	0	0	0	0	0	0	0	0	0
1998	6	0	0	0	0	0	0	0	0	0	0	0
1998	6	0	0	0	0	0	0	0	0	0	0	0
1998	7	0	0	0	0	0	0	0	0	0	0	0
1998	7	0	0	0	0	0	0	0	0	0	0	0
1998	7	0	0	0	0	0	0	0	0	0	0	0
1998	7	0	0	0	0	0	0	0	0	0	0	0
1998	7	0	0	0	0	0	0	0	0	0	0	0
1998	8	0	0	0	0	0	0	0	0	0	0	0

KPC\_Use\_Model\_Input

YEAR	MONTH	ind2	ind3	ind4	ind5	ind6	ind7	ind8	min1	min2	or1	or2
1998	8	0	0	0	0	0	0	0	0	0	0	0
1998	8	0	0	0	0	0	0	0	0	0	0	0
1998	8	0	0	0	0	0	0	0	0	0	0	0
1998	8	0	0	0	0	0	0	0	0	0	0	0
1998	9	0	0	0	0	0	0	0	0	0	0	0
1998	9	0	0	0	0	0	0	0	0	0	0	0
1998	9	0	0	0	0	0	0	0	0	0	0	0
1998	9	0	0	0	0	0	0	0	0	0	0	0
1998	9	0	0	0	0	0	0	0	0	0	0	0
1998	10	0	0	0	0	0	0	0	0	0	0	0
1998	10	0	0	0	0	0	0	0	0	0	0	0
1998	10	0	0	0	0	0	0	0	0	0	0	0
1998	10	0	0	0	0	0	0	0	0	0	0	0
1998	10	0	0	0	0	0	0	0	0	0	0	0
1998	11	0	0	0	0	0	0	0	0	0	0	0
1998	11	0	0	0	0	0	0	0	0	0	0	0
1998	11	0	0	0	0	0	0	0	0	0	0	0
1998	11	0	0	0	0	0	0	0	0	0	0	0
1998	11	0	0	0	0	0	0	0	0	0	0	0
1998	12	0	0	0	0	0	0	0	0	0	0	0
1998	12	0	0	0	0	0	0	0	0	0	0	0
1998	12	0	0	0	0	0	0	0	0	0	0	0
1998	12	0	0	0	0	0	0	0	0	0	0	0
1998	12	0	0	0	0	0	0	0	0	0	0	0
1999	1	0	0	0	0	0	0	0	0	0	0	0
1999	1	0	0	0	0	0	0	0	0	0	0	0
1999	1	0	0	0	0	0	0	0	0	0	0	0
1999	1	0	0	0	0	0	0	0	0	0	0	0
1999	1	0	0	0	0	0	0	0	0	0	0	0
1999	2	0	0	0	0	0	0	0	0	0	0	0
1999	2	0	0	0	0	0	0	0	0	0	0	0
1999	2	0	0	0	0	0	0	0	0	0	0	0
1999	2	0	0	0	0	0	0	0	0	0	0	0
1999	2	0	0	0	0	0	0	0	0	0	0	0
1999	3	0	0	0	0	0	0	0	0	0	0	0
1999	3	0	0	0	0	0	0	0	0	0	0	0

KPC\_Use\_Model\_Input

YEAR	MONTH	ind2	ind3	ind4	ind5	ind6	ind7	ind8	min1	min2	or1	or2	
1999	3	0	0	0	0	0	0	0	0	0	0	0	0
1999	3	0	0	0	0	0	0	0	0	0	0	0	0
1999	3	0	0	0	0	0	0	0	0	0	0	0	0
1999	4	0	0	0	0	0	0	0	0	0	0	0	0
1999	4	0	0	0	0	0	0	0	0	0	0	0	0
1999	4	0	0	0	0	0	0	0	0	0	0	0	0
1999	4	0	0	0	0	0	0	0	0	0	0	0	0
1999	4	0	0	0	0	0	0	0	0	0	0	0	0
1999	5	0	0	0	0	0	0	0	0	0	0	0	0
1999	5	0	0	0	0	0	0	0	0	0	0	0	0
1999	5	0	0	0	0	0	0	0	0	0	0	0	0
1999	5	0	0	0	0	0	0	0	0	0	0	0	0
1999	5	0	0	0	0	0	0	0	0	0	0	0	0
1999	6	0	0	0	0	0	0	0	0	0	0	0	0
1999	6	0	0	0	0	0	0	0	0	0	0	0	0
1999	6	0	0	0	0	0	0	0	0	0	0	0	0
1999	6	0	0	0	0	0	0	0	0	0	0	0	0
1999	6	0	0	0	0	0	0	0	0	0	0	0	0
1999	6	0	0	0	0	0	0	0	0	0	0	0	0
1999	7	0	0	0	0	0	0	0	0	0	0	0	0
1999	7	0	0	0	0	0	0	0	0	0	0	0	0
1999	7	0	0	0	0	0	0	0	0	0	0	0	0
1999	7	0	0	0	0	0	0	0	0	0	0	0	0
1999	7	0	0	0	0	0	0	0	0	0	0	0	0
1999	8	0	1	0	0	0	0	0	0	0	0	0	0
1999	8	0	1	0	0	0	0	0	0	0	0	0	0
1999	8	0	1	0	0	0	0	0	0	0	0	0	0
1999	8	0	1	0	0	0	0	0	0	0	0	0	0
1999	8	0	1	0	0	0	0	0	0	0	0	0	0
1999	9	0	0	0	0	0	0	0	0	0	0	0	0
1999	9	0	0	0	0	0	0	0	0	0	0	0	0
1999	9	0	0	0	0	0	0	0	0	0	0	0	0
1999	9	0	0	0	0	0	0	0	0	0	0	0	0
1999	9	0	0	0	0	0	0	0	0	0	0	0	0
1999	10	0	0	0	0	0	0	0	0	0	0	0	0
1999	10	0	0	0	0	0	0	0	0	0	0	0	0
1999	10	0	0	0	0	0	0	0	0	0	0	0	0

KPC\_Use\_Model\_Input

YEAR	MONTH	ind2	ind3	ind4	ind5	ind6	ind7	ind8	min1	min2	or1	or2
1999	10	0	0	0	0	0	0	0	0	0	0	0
1999	10	0	0	0	0	0	0	0	0	0	0	0
1999	11	0	0	0	0	0	0	0	0	0	0	0
1999	11	0	0	0	0	0	0	0	0	0	0	0
1999	11	0	0	0	0	0	0	0	0	0	0	0
1999	11	0	0	0	0	0	0	0	0	0	0	0
1999	11	0	0	0	0	0	0	0	0	0	0	0
1999	11	0	0	0	0	0	0	0	0	0	0	0
1999	12	0	0	0	0	0	0	0	0	0	0	0
1999	12	0	0	0	0	0	0	0	0	0	0	0
1999	12	0	0	0	0	0	0	0	0	0	0	0
1999	12	0	0	0	0	0	0	0	0	0	0	0
1999	12	0	0	0	0	0	0	0	0	0	0	0
2000	1	0	0	0	0	0	0	0	0	0	0	0
2000	1	0	0	0	0	0	0	0	0	0	0	0
2000	1	0	0	0	0	0	0	0	0	0	0	0
2000	1	0	0	0	0	0	0	0	0	0	0	0
2000	1	0	0	0	0	0	0	0	0	0	0	0
2000	2	0	0	0	0	0	0	0	0	0	0	0
2000	2	0	0	0	0	0	0	0	0	0	0	0
2000	2	0	0	0	0	0	0	0	0	0	0	0
2000	2	0	0	0	0	0	0	0	0	0	0	0
2000	2	0	0	0	0	0	0	0	0	0	0	0
2000	2	0	0	0	0	0	0	0	0	0	0	0
2000	3	0	0	0	0	0	0	0	0	0	0	0
2000	3	0	0	0	0	0	0	0	0	0	0	0
2000	3	0	0	0	0	0	0	0	0	0	0	0
2000	3	0	0	0	0	0	0	0	0	0	0	0
2000	3	0	0	0	0	0	0	0	0	0	0	0
2000	4	0	0	0	0	0	0	0	0	0	0	0
2000	4	0	0	0	0	0	0	0	0	0	0	0
2000	4	0	0	0	0	0	0	0	0	0	0	0
2000	4	0	0	0	0	0	0	0	0	0	0	0
2000	4	0	0	0	0	0	0	0	0	0	0	0
2000	5	0	0	0	0	0	0	0	0	0	0	0
2000	5	0	0	0	0	0	0	0	0	0	0	0
2000	5	0	0	0	0	0	0	0	0	0	0	0
2000	5	0	0	0	0	0	0	0	0	0	0	0

KPC\_Use\_Model\_Input

YEAR	MONTH	ind2	ind3	ind4	ind5	ind6	ind7	ind8	min1	min2	or1	or2
2000	5	0	0	0	0	0	0	0	0	0	0	0
2000	6	0	0	0	0	0	0	0	0	0	0	0
2000	6	0	0	0	0	0	0	0	0	0	0	0
2000	6	0	0	0	0	0	0	0	0	0	0	0
2000	6	0	0	0	0	0	0	0	0	0	0	0
2000	6	0	0	0	0	0	0	0	0	0	0	0
2000	7	0	0	0	0	0	0	0	0	0	0	0
2000	7	0	0	0	0	0	0	0	0	0	0	0
2000	7	0	0	0	0	0	0	0	0	0	0	0
2000	7	0	0	0	0	0	0	0	0	0	0	0
2000	7	0	0	0	0	0	0	0	0	0	0	0
2000	8	0	0	0	0	0	0	0	0	0	0	0
2000	8	0	0	0	0	0	0	0	0	0	0	0
2000	8	0	0	0	0	0	0	0	0	0	0	0
2000	8	0	0	0	0	0	0	0	0	0	0	0
2000	8	0	0	0	0	0	0	0	0	0	0	0
2000	9	0	0	0	0	0	0	0	0	0	0	0
2000	9	0	0	0	0	0	0	0	0	0	0	0
2000	9	0	0	0	0	0	0	0	0	0	0	0
2000	9	0	0	0	0	0	0	0	0	0	0	0
2000	9	0	0	0	0	0	0	0	0	0	0	0
2000	10	0	0	0	0	0	0	0	0	0	0	0
2000	10	0	0	0	0	0	0	0	0	0	0	0
2000	10	0	0	0	0	0	0	0	0	0	0	0
2000	10	0	0	0	0	0	0	0	0	0	0	0
2000	10	0	0	0	0	0	0	0	0	0	0	0
2000	11	0	0	0	0	0	0	0	0	0	0	0
2000	11	0	0	0	0	0	0	0	0	0	0	0
2000	11	0	0	0	0	0	0	0	0	0	0	0
2000	11	0	0	0	0	0	0	0	0	0	0	0
2000	11	0	0	0	0	0	0	0	0	0	0	0
2000	12	0	0	0	0	0	0	0	0	0	0	0
2000	12	0	0	0	0	0	0	0	0	0	0	0
2000	12	0	0	0	0	0	0	0	0	0	0	0
2000	12	0	0	0	0	0	0	0	0	0	0	0
2000	12	0	0	0	0	0	0	0	0	0	0	0

KPC\_Use\_Model\_Input

YEAR	MONTH	ind2	ind3	ind4	ind5	ind6	ind7	ind8	min1	min2	or1	or2	
2001	1	1	1	0	0	0	0	0	0	0	0	0	0
2001	1	1	1	0	0	0	0	0	0	0	0	0	0
2001	1	1	1	0	0	0	0	0	0	0	0	0	0
2001	1	1	1	0	0	0	0	0	0	0	0	0	0
2001	1	1	1	0	0	0	0	0	0	0	0	0	0
2001	2	0	0	0	0	0	0	0	0	0	0	0	0
2001	2	0	0	0	0	0	0	0	0	0	0	0	0
2001	2	0	0	0	0	0	0	0	0	0	0	0	0
2001	2	0	0	0	0	0	0	0	0	0	0	0	0
2001	2	0	0	0	0	0	0	0	0	0	0	0	0
2001	3	0	0	0	0	0	0	0	0	0	0	0	0
2001	3	0	0	0	0	0	0	0	0	0	0	0	0
2001	3	0	0	0	0	0	0	0	0	0	0	0	0
2001	3	0	0	0	0	0	0	0	0	0	0	0	0
2001	3	0	0	0	0	0	0	0	0	0	0	0	0
2001	4	0	0	0	0	0	0	0	0	0	0	0	0
2001	4	0	0	0	0	0	0	0	0	0	0	0	0
2001	4	0	0	0	0	0	0	0	0	0	0	0	0
2001	4	0	0	0	0	0	0	0	0	0	0	0	0
2001	4	0	0	0	0	0	0	0	0	0	0	0	0
2001	4	0	0	0	0	0	0	0	0	0	0	0	0
2001	5	0	0	0	0	0	0	0	0	0	0	0	0
2001	5	0	0	0	0	0	0	0	0	0	0	0	0
2001	5	0	0	0	0	0	0	0	0	0	0	0	0
2001	5	0	0	0	0	0	0	0	0	0	0	0	0
2001	5	0	0	0	0	0	0	0	0	0	0	0	0
2001	6	0	0	0	0	0	0	0	0	0	0	0	0
2001	6	0	0	0	0	0	0	0	0	0	0	0	0
2001	6	0	0	0	0	0	0	0	0	0	0	0	0
2001	6	0	0	0	0	0	0	0	0	0	0	0	0
2001	6	0	0	0	0	0	0	0	0	0	0	0	0
2001	7	0	0	0	0	0	0	0	0	0	0	0	0
2001	7	0	0	0	0	0	0	0	0	0	0	0	0
2001	7	0	0	0	0	0	0	0	0	0	0	0	0
2001	7	0	0	0	0	0	0	0	0	0	0	0	0
2001	7	0	0	0	0	0	0	0	0	0	0	0	0
2001	8	0	0	0	0	0	0	0	0	0	0	0	0



KPC\_Use\_Model\_Input

YEAR	MONTH	ind2	ind3	ind4	ind5	ind6	ind7	ind8	min1	min2	or1	or2	
2001	8	0	0	0	0	0	0	0	0	0	0	0	0
2001	8	0	0	0	0	0	0	0	0	0	0	0	0
2001	8	0	0	0	0	0	0	0	0	0	0	0	0
2001	8	0	0	0	0	0	0	0	0	0	0	0	0
2001	9	0	0	0	0	0	0	0	0	0	0	0	0
2001	9	0	0	0	0	0	0	0	0	0	0	0	0
2001	9	0	0	0	0	0	0	0	0	0	0	0	0
2001	9	0	0	0	0	0	0	0	0	0	0	0	0
2001	10	0	0	0	0	0	0	0	0	0	0	0	0
2001	10	0	0	0	0	0	0	0	0	0	0	0	0
2001	10	0	0	0	0	0	0	0	0	0	0	0	0
2001	10	0	0	0	0	0	0	0	0	0	0	0	0
2001	10	0	0	0	0	0	0	0	0	0	0	0	0
2001	11	0	0	0	0	0	0	0	0	0	0	0	0
2001	11	0	0	0	0	0	0	0	0	0	0	0	0
2001	11	0	0	0	0	0	0	0	0	0	0	0	0
2001	11	0	0	0	0	0	0	0	0	0	0	0	0
2001	11	0	0	0	0	0	0	0	0	0	0	0	0
2001	12	0	0	0	0	0	0	0	0	0	0	0	0
2001	12	0	0	0	0	0	0	0	0	0	0	0	0
2001	12	0	0	0	0	0	0	0	0	0	0	0	0
2001	12	0	0	0	0	0	0	0	0	0	0	0	0
2001	12	0	0	0	0	0	0	0	0	0	0	0	0
2002	1	0	0	0	0	0	0	0	0	1	0	0	0
2002	1	0	0	0	0	0	0	0	0	1	0	0	0
2002	1	0	0	0	0	0	0	0	0	1	0	0	0
2002	1	0	0	0	0	0	0	0	0	1	0	0	0
2002	1	0	0	0	0	0	0	0	0	1	0	0	0
2002	2	0	0	0	0	0	0	0	0	0	0	0	0
2002	2	0	0	0	0	0	0	0	0	0	0	0	0
2002	2	0	0	0	0	0	0	0	0	0	0	0	0
2002	2	0	0	0	0	0	0	0	0	0	0	0	0
2002	2	0	0	0	0	0	0	0	0	0	0	0	0
2002	3	0	0	0	0	0	0	0	0	0	0	0	0
2002	3	0	0	0	0	0	0	0	0	0	0	0	0

KPC\_Use\_Model\_Input

YEAR	MONTH	ind2	ind3	ind4	ind5	ind6	ind7	ind8	min1	min2	or1	or2	
2002	3	0	0	0	0	0	0	0	0	0	0	0	0
2002	3	0	0	0	0	0	0	0	0	0	0	0	0
2002	3	0	0	0	0	0	0	0	0	0	0	0	0
2002	4	0	0	0	0	0	0	0	0	0	0	0	0
2002	4	0	0	0	0	0	0	0	0	0	0	0	0
2002	4	0	0	0	0	0	0	0	0	0	0	0	0
2002	4	0	0	0	0	0	0	0	0	0	0	0	0
2002	4	0	0	0	0	0	0	0	0	0	0	0	0
2002	5	0	0	0	0	0	0	0	0	0	0	0	0
2002	5	0	0	0	0	0	0	0	0	0	0	0	0
2002	5	0	0	0	0	0	0	0	0	0	0	0	0
2002	5	0	0	0	0	0	0	0	0	0	0	0	0
2002	5	0	0	0	0	0	0	0	0	0	0	0	0
2002	6	0	0	0	0	0	0	0	0	0	1	0	0
2002	6	0	0	0	0	0	0	0	0	0	1	0	0
2002	6	0	0	0	0	0	0	0	0	0	1	0	0
2002	6	0	0	0	0	0	0	0	0	0	1	0	0
2002	6	0	0	0	0	0	0	0	0	0	1	0	0
2002	7	0	0	0	0	0	0	0	0	0	0	0	0
2002	7	0	0	0	0	0	0	0	0	0	0	0	0
2002	7	0	0	0	0	0	0	0	0	0	0	0	0
2002	7	0	0	0	0	0	0	0	0	0	0	0	0
2002	7	0	0	0	0	0	0	0	0	0	0	0	0
2002	7	0	0	0	0	0	0	0	0	0	0	0	0
2002	8	0	0	0	0	0	0	0	0	0	0	0	0
2002	8	0	0	0	0	0	0	0	0	0	0	0	0
2002	8	0	0	0	0	0	0	0	0	0	0	0	0
2002	8	0	0	0	0	0	0	0	0	0	0	0	0
2002	8	0	0	0	0	0	0	0	0	0	0	0	0
2002	9	0	0	0	0	0	0	0	0	0	0	0	0
2002	9	0	0	0	0	0	0	0	0	0	0	0	0
2002	9	0	0	0	0	0	0	0	0	0	0	0	0
2002	9	0	0	0	0	0	0	0	0	0	0	0	0
2002	9	0	0	0	0	0	0	0	0	0	0	0	0
2002	10	0	0	0	0	0	0	0	0	0	0	0	0
2002	10	0	0	0	0	0	0	0	0	0	0	0	0
2002	10	0	0	0	0	0	0	0	0	0	0	0	0

KPC\_Use\_Model\_Input

YEAR	MONTH	ind2	ind3	ind4	ind5	ind6	ind7	ind8	min1	min2	or1	or2	
2002	10	0	0	0	0	0	0	0	0	0	0	0	0
2002	10	0	0	0	0	0	0	0	0	0	0	0	0
2002	11	0	0	0	0	0	0	0	0	0	0	0	0
2002	11	0	0	0	0	0	0	0	0	0	0	0	0
2002	11	0	0	0	0	0	0	0	0	0	0	0	0
2002	11	0	0	0	0	0	0	0	0	0	0	0	0
2002	11	0	0	0	0	0	0	0	0	0	0	0	0
2002	12	0	0	0	0	0	0	0	0	0	0	0	0
2002	12	0	0	0	0	0	0	0	0	0	0	0	0
2002	12	0	0	0	0	0	0	0	0	0	0	0	0
2002	12	0	0	0	0	0	0	0	0	0	0	0	0
2002	12	0	0	0	0	0	0	0	0	0	0	0	0
2003	1	0	0	1	0	0	0	0	0	0	0	0	0
2003	1	0	0	1	0	0	0	0	0	0	0	0	0
2003	1	0	0	1	0	0	0	0	0	0	0	0	0
2003	1	0	0	1	0	0	0	0	0	0	0	0	0
2003	1	0	0	1	0	0	0	0	0	0	0	0	0
2003	2	0	0	1	0	0	0	0	0	0	0	0	0
2003	2	0	0	1	0	0	0	0	0	0	0	0	0
2003	2	0	0	1	0	0	0	0	0	0	0	0	0
2003	2	0	0	1	0	0	0	0	0	0	0	0	0
2003	2	0	0	1	0	0	0	0	0	0	0	0	0
2003	3	0	0	1	0	0	0	0	0	0	0	0	0
2003	3	0	0	1	0	0	0	0	0	0	0	0	0
2003	3	0	0	1	0	0	0	0	0	0	0	0	0
2003	3	0	0	1	0	0	0	0	0	0	0	0	0
2003	3	0	0	1	0	0	0	0	0	0	0	0	0
2003	4	0	0	1	0	0	0	0	0	0	0	0	0
2003	4	0	0	1	0	0	0	0	0	0	0	0	0
2003	4	0	0	1	0	0	0	0	0	0	0	0	0
2003	4	0	0	1	0	0	0	0	0	0	0	0	0
2003	4	0	0	1	0	0	0	0	0	0	0	0	0
2003	5	0	0	1	0	0	0	0	0	0	0	0	0
2003	5	0	0	1	0	0	0	0	0	0	0	0	0
2003	5	0	0	1	0	0	0	0	0	0	0	0	0
2003	5	0	0	1	0	0	0	0	0	0	0	0	0

KPC\_Use\_Model\_Input

YEAR	MONTH	ind2	ind3	ind4	ind5	ind6	ind7	ind8	min1	min2	or1	or2	
2003	5	0	0	0	1	0	0	0	0	0	0	0	0
2003	6	0	0	0	1	0	0	0	0	0	0	0	0
2003	6	0	0	0	1	0	0	0	0	0	0	0	0
2003	6	0	0	0	1	0	0	0	0	0	0	0	0
2003	6	0	0	0	1	0	0	0	0	0	0	0	0
2003	6	0	0	0	1	0	0	0	0	0	0	0	0
2003	7	0	0	0	1	0	0	0	0	0	0	0	0
2003	7	0	0	0	1	0	0	0	0	0	0	0	0
2003	7	0	0	0	1	0	0	0	0	0	0	0	0
2003	7	0	0	0	1	0	0	0	0	0	0	0	0
2003	7	0	0	0	1	0	0	0	0	0	0	0	0
2003	8	0	0	0	1	0	0	0	0	0	0	0	0
2003	8	0	0	0	1	0	0	0	0	0	0	0	0
2003	8	0	0	0	1	0	0	0	0	0	0	0	0
2003	8	0	0	0	1	0	0	0	0	0	0	0	0
2003	8	0	0	0	1	0	0	0	0	0	0	0	0
2003	9	0	0	0	1	0	0	0	0	0	0	0	0
2003	9	0	0	0	1	0	0	0	0	0	0	0	0
2003	9	0	0	0	1	0	0	0	0	0	0	0	0
2003	9	0	0	0	1	0	0	0	0	0	0	0	0
2003	9	0	0	0	1	0	0	0	0	0	0	0	0
2003	10	0	0	0	1	0	0	0	0	0	0	0	0
2003	10	0	0	0	1	0	0	0	0	0	0	0	0
2003	10	0	0	0	1	0	0	0	0	0	0	0	0
2003	10	0	0	0	1	0	0	0	0	0	0	0	0
2003	10	0	0	0	1	0	0	0	0	0	0	0	0
2003	11	0	0	0	1	0	0	0	0	0	0	0	0
2003	11	0	0	0	1	0	0	0	0	0	0	0	0
2003	11	0	0	0	1	0	0	0	0	0	0	0	0
2003	11	0	0	0	1	0	0	0	0	0	0	0	0
2003	11	0	0	0	1	0	0	0	0	0	0	0	0
2003	12	0	0	0	1	0	0	0	0	0	0	0	0
2003	12	0	0	0	1	0	0	0	0	0	0	0	0
2003	12	0	0	0	1	0	0	0	0	0	0	0	0
2003	12	0	0	0	1	0	0	0	0	0	0	0	0
2003	12	0	0	0	1	0	0	0	0	0	0	0	0

KPC\_Use\_Model\_Input

YEAR	MONTH	ind2	ind3	ind4	ind5	ind6	ind7	ind8	min1	min2	or1	or2	
2004	1	0	0	0	1	0	0	0	0	0	0	0	0
2004	1	0	0	0	1	0	0	0	0	0	0	0	0
2004	1	0	0	0	1	0	0	0	0	0	0	0	0
2004	1	0	0	0	1	0	0	0	0	0	0	0	0
2004	1	0	0	0	1	0	0	0	0	0	0	0	0
2004	2	0	0	0	1	0	0	0	0	0	0	0	0
2004	2	0	0	0	1	0	0	0	0	0	0	0	0
2004	2	0	0	0	1	0	0	0	0	0	0	0	0
2004	2	0	0	0	1	0	0	0	0	0	0	0	0
2004	2	0	0	0	1	0	0	0	0	0	0	0	0
2004	3	0	0	0	1	0	0	0	0	0	0	0	0
2004	3	0	0	0	1	0	0	0	0	0	0	0	0
2004	3	0	0	0	1	0	0	0	0	0	0	0	0
2004	3	0	0	0	1	0	0	0	0	0	0	0	0
2004	3	0	0	0	1	0	0	0	0	0	0	0	0
2004	4	0	0	0	1	-1	0	0	0	0	0	0	0
2004	4	0	0	0	1	-1	0	0	0	0	0	0	0
2004	4	0	0	0	1	-1	0	0	0	0	0	0	0
2004	4	0	0	0	1	-1	0	0	0	0	0	0	0
2004	4	0	0	0	1	-1	0	0	0	0	0	0	0
2004	5	0	0	0	1	1	0	0	0	0	0	0	0
2004	5	0	0	0	1	1	0	0	0	0	0	0	0
2004	5	0	0	0	1	1	0	0	0	0	0	0	0
2004	5	0	0	0	1	1	0	0	0	0	0	0	0
2004	6	0	0	0	1	0	0	0	0	0	0	0	0
2004	6	0	0	0	1	0	0	0	0	0	0	0	0
2004	6	0	0	0	1	0	0	0	0	0	0	0	0
2004	6	0	0	0	1	0	0	0	0	0	0	0	0
2004	7	0	0	0	1	0	0	0	0	0	0	0	0
2004	7	0	0	0	1	0	0	0	0	0	0	0	0
2004	7	0	0	0	1	0	0	0	0	0	0	0	0
2004	7	0	0	0	1	0	0	0	0	0	0	0	0
2004	8	0	0	0	1	0	0	0	0	0	0	0	0

KPC\_Use\_Model\_Input

YEAR	MONTH	ind2	ind3	ind4	ind5	ind6	ind7	ind8	min1	min2	or1	or2
2004	8	0	0	0	1	0	0	0	0	0	0	0
2004	8	0	0	0	1	0	0	0	0	0	0	0
2004	8	0	0	0	1	0	0	0	0	0	0	0
2004	8	0	0	0	1	0	0	0	0	0	0	0
2004	9	0	0	0	1	0	0	0	0	0	0	0
2004	9	0	0	0	1	0	0	0	0	0	0	0
2004	9	0	0	0	1	0	0	0	0	0	0	0
2004	9	0	0	0	1	0	0	0	0	0	0	0
2004	9	0	0	0	1	0	0	0	0	0	0	0
2004	10	0	0	0	1	0	0	0	0	0	0	0
2004	10	0	0	0	1	0	0	0	0	0	0	0
2004	10	0	0	0	1	0	0	0	0	0	0	0
2004	10	0	0	0	1	0	0	0	0	0	0	0
2004	10	0	0	0	1	0	0	0	0	0	0	0
2004	10	0	0	0	1	0	0	0	0	0	0	0
2004	11	0	0	0	1	0	0	0	0	0	0	0
2004	11	0	0	0	1	0	0	0	0	0	0	0
2004	11	0	0	0	1	0	0	0	0	0	0	0
2004	11	0	0	0	1	0	0	0	0	0	0	0
2004	11	0	0	0	1	0	0	0	0	0	0	0
2004	11	0	0	0	1	0	0	0	0	0	0	0
2004	12	0	0	0	1	0	0	0	0	0	0	0
2004	12	0	0	0	1	0	0	0	0	0	0	0
2004	12	0	0	0	1	0	0	0	0	0	0	0
2004	12	0	0	0	1	0	0	0	0	0	0	0
2004	12	0	0	0	1	0	0	0	0	0	0	0
2005	1	0	0	0	1	0	0	0	0	0	0	0
2005	1	0	0	0	1	0	0	0	0	0	0	0
2005	1	0	0	0	1	0	0	0	0	0	0	0
2005	1	0	0	0	1	0	0	0	0	0	0	0
2005	1	0	0	0	1	0	0	0	0	0	0	0
2005	2	0	0	0	1	0	1	0	0	0	0	0
2005	2	0	0	0	1	0	1	0	0	0	0	0
2005	2	0	0	0	1	0	1	0	0	0	0	0
2005	2	0	0	0	1	0	1	0	0	0	0	0
2005	2	0	0	0	1	0	1	0	0	0	0	0
2005	3	0	0	0	1	0	-1	0	0	0	0	0
2005	3	0	0	0	1	0	-1	0	0	0	0	0

KPC\_Use\_Model\_Input

YEAR	MONTH	ind2	ind3	ind4	ind5	ind6	ind7	ind8	min1	min2	or1	or2	
2005	3	0	0	0	1	0	-1	0	0	0	0	0	0
2005	3	0	0	0	1	0	-1	0	0	0	0	0	0
2005	3	0	0	0	1	0	-1	0	0	0	0	0	0
2005	4	0	0	0	1	0	0	0	0	0	0	0	0
2005	4	0	0	0	1	0	0	0	0	0	0	0	0
2005	4	0	0	0	1	0	0	0	0	0	0	0	0
2005	4	0	0	0	1	0	0	0	0	0	0	0	0
2005	4	0	0	0	1	0	0	0	0	0	0	0	0
2005	4	0	0	0	1	0	0	0	0	0	0	0	0
2005	5	0	0	0	1	0	0	0	0	0	0	0	0
2005	5	0	0	0	1	0	0	0	0	0	0	0	0
2005	5	0	0	0	1	0	0	0	0	0	0	0	0
2005	5	0	0	0	1	0	0	0	0	0	0	0	0
2005	5	0	0	0	1	0	0	0	0	0	0	0	0
2005	6	0	0	0	1	0	0	0	0	0	0	1	0
2005	6	0	0	0	1	0	0	0	0	0	0	1	0
2005	6	0	0	0	1	0	0	0	0	0	0	1	0
2005	6	0	0	0	1	0	0	0	0	0	0	1	0
2005	6	0	0	0	1	0	0	0	0	0	0	1	0
2005	7	0	0	0	1	0	0	0	0	0	0	1	0
2005	7	0	0	0	1	0	0	0	0	0	0	1	0
2005	7	0	0	0	1	0	0	0	0	0	0	1	0
2005	7	0	0	0	1	0	0	0	0	0	0	1	0
2005	7	0	0	0	1	0	0	0	0	0	0	1	0
2005	7	0	0	0	1	0	0	0	0	0	0	1	0
2005	8	0	0	0	1	0	0	0	0	0	0	1	0
2005	8	0	0	0	1	0	0	0	0	0	0	1	0
2005	8	0	0	0	1	0	0	0	0	0	0	1	0
2005	8	0	0	0	1	0	0	0	0	0	0	1	0
2005	8	0	0	0	1	0	0	0	0	0	0	1	0
2005	9	0	0	0	1	0	0	0	0	0	0	1	-1
2005	9	0	0	0	1	0	0	0	0	0	0	1	-1
2005	9	0	0	0	1	0	0	0	0	0	0	1	-1
2005	9	0	0	0	1	0	0	0	0	0	0	1	-1
2005	9	0	0	0	1	0	0	0	0	0	0	1	-1
2005	10	0	0	0	1	0	0	0	0	0	0	1	0
2005	10	0	0	0	1	0	0	0	0	0	0	1	0
2005	10	0	0	0	1	0	0	0	0	0	0	1	0

KPC\_Use\_Model\_Input

YEAR	MONTH	ind2	ind3	ind4	ind5	ind6	ind7	ind8	min1	min2	or1	or2	
2005	10	0	0	0	1	0	0	0	0	0	0	1	0
2005	10	0	0	0	1	0	0	0	0	0	0	1	0
2005	11	0	0	0	1	0	0	0	0	0	0	1	1
2005	11	0	0	0	1	0	0	0	0	0	0	1	1
2005	11	0	0	0	1	0	0	0	0	0	0	1	1
2005	11	0	0	0	1	0	0	0	0	0	0	1	1
2005	11	0	0	0	1	0	0	0	0	0	0	1	1
2005	12	0	0	0	1	0	0	0	0	0	0	1	0
2005	12	0	0	0	1	0	0	0	0	0	0	1	0
2005	12	0	0	0	1	0	0	0	0	0	0	1	0
2005	12	0	0	0	1	0	0	0	0	0	0	1	0
2005	12	0	0	0	1	0	0	0	0	0	0	1	0
2006	1	0	0	0	1	0	0	0	0	0	0	1	0
2006	1	0	0	0	1	0	0	0	0	0	0	1	0
2006	1	0	0	0	1	0	0	0	0	0	0	1	0
2006	1	0	0	0	1	0	0	0	0	0	0	1	0
2006	1	0	0	0	1	0	0	0	0	0	0	1	0
2006	2	0	0	0	1	0	0	0	0	0	0	1	0
2006	2	0	0	0	1	0	0	0	0	0	0	1	0
2006	2	0	0	0	1	0	0	0	0	0	0	1	0
2006	2	0	0	0	1	0	0	0	0	0	0	1	0
2006	2	0	0	0	1	0	0	0	0	0	0	1	0
2006	3	0	0	0	1	0	0	0	0	0	0	1	0
2006	3	0	0	0	1	0	0	0	0	0	0	1	0
2006	3	0	0	0	1	0	0	0	0	0	0	1	0
2006	3	0	0	0	1	0	0	0	0	0	0	1	0
2006	3	0	0	0	1	0	0	0	0	0	0	1	0
2006	4	0	0	0	1	0	0	0	0	0	0	1	0
2006	4	0	0	0	1	0	0	0	0	0	0	1	0
2006	4	0	0	0	1	0	0	0	0	0	0	1	0
2006	4	0	0	0	1	0	0	0	0	0	0	1	0
2006	4	0	0	0	1	0	0	0	0	0	0	1	0
2006	5	0	0	0	1	0	0	0	0	0	0	1	0
2006	5	0	0	0	1	0	0	0	0	0	0	1	0
2006	5	0	0	0	1	0	0	0	0	0	0	1	0
2006	5	0	0	0	1	0	0	0	0	0	0	1	0



KPC\_Use\_Model\_Input

YEAR	MONTH	ind2	ind3	ind4	ind5	ind6	ind7	ind8	min1	min2	or1	or2	
2006	5	0	0	0	1	0	0	0	0	0	0	1	0
2006	6	0	0	0	1	0	0	0	0	0	0	1	0
2006	6	0	0	0	1	0	0	0	0	0	0	1	0
2006	6	0	0	0	1	0	0	0	0	0	0	1	0
2006	6	0	0	0	1	0	0	0	0	0	0	1	0
2006	6	0	0	0	1	0	0	0	0	0	0	1	0
2006	7	0	0	0	1	0	0	0	0	0	0	1	0
2006	7	0	0	0	1	0	0	0	0	0	0	1	0
2006	7	0	0	0	1	0	0	0	0	0	0	1	0
2006	7	0	0	0	1	0	0	0	0	0	0	1	0
2006	7	0	0	0	1	0	0	0	0	0	0	1	0
2006	8	0	0	0	1	0	0	0	0	0	0	1	0
2006	8	0	0	0	1	0	0	0	0	0	0	1	0
2006	8	0	0	0	1	0	0	0	0	0	0	1	0
2006	8	0	0	0	1	0	0	0	0	0	0	1	0
2006	8	0	0	0	1	0	0	0	0	0	0	1	0
2006	9	0	0	0	1	0	0	0	0	0	0	1	0
2006	9	0	0	0	1	0	0	0	0	0	0	1	0
2006	9	0	0	0	1	0	0	0	0	0	0	1	0
2006	9	0	0	0	1	0	0	0	0	0	0	1	0
2006	9	0	0	0	1	0	0	0	0	0	0	1	0
2006	10	0	0	0	1	0	0	0	0	0	0	1	0
2006	10	0	0	0	1	0	0	0	0	0	0	1	0
2006	10	0	0	0	1	0	0	0	0	0	0	1	0
2006	10	0	0	0	1	0	0	0	0	0	0	1	0
2006	10	0	0	0	1	0	0	0	0	0	0	1	0
2006	11	0	0	0	1	0	0	0	0	0	0	1	0
2006	11	0	0	0	1	0	0	0	0	0	0	1	0
2006	11	0	0	0	1	0	0	0	0	0	0	1	0
2006	11	0	0	0	1	0	0	0	0	0	0	1	0
2006	11	0	0	0	1	0	0	0	0	0	0	1	0
2006	12	0	0	0	1	0	0	0	0	0	0	1	0
2006	12	0	0	0	1	0	0	0	0	0	0	1	0
2006	12	0	0	0	1	0	0	0	0	0	0	1	0
2006	12	0	0	0	1	0	0	0	0	0	0	1	0
2006	12	0	0	0	1	0	0	0	0	0	0	1	0

KPC\_Use\_Model\_Input

YEAR	MONTH	ind2	ind3	ind4	ind5	ind6	ind7	ind8	min1	min2	or1	or2	
2007	1	0	0	0	1	0	0	1	0	0	0	1	0
2007	1	0	0	0	1	0	0	1	0	0	0	1	0
2007	1	0	0	0	1	0	0	1	0	0	0	1	0
2007	1	0	0	0	1	0	0	1	0	0	0	1	0
2007	1	0	0	0	1	0	0	1	0	0	0	1	0
2007	2	0	0	0	1	0	0	-1	0	0	0	1	0
2007	2	0	0	0	1	0	0	-1	0	0	0	1	0
2007	2	0	0	0	1	0	0	-1	0	0	0	1	0
2007	2	0	0	0	1	0	0	-1	0	0	0	1	0
2007	2	0	0	0	1	0	0	-1	0	0	0	1	0
2007	3	0	0	0	1	0	0	0	0	0	0	1	0
2007	3	0	0	0	1	0	0	0	0	0	0	1	0
2007	3	0	0	0	1	0	0	0	0	0	0	1	0
2007	3	0	0	0	1	0	0	0	0	0	0	1	0
2007	3	0	0	0	1	0	0	0	0	0	0	1	0
2007	3	0	0	0	1	0	0	0	0	0	0	1	0
2007	4	0	0	0	1	0	0	0	0	0	0	1	0
2007	4	0	0	0	1	0	0	0	0	0	0	1	0
2007	4	0	0	0	1	0	0	0	0	0	0	1	0
2007	4	0	0	0	1	0	0	0	0	0	0	1	0
2007	4	0	0	0	1	0	0	0	0	0	0	1	0
2007	4	0	0	0	1	0	0	0	0	0	0	1	0
2007	5	0	0	0	1	0	0	0	0	0	0	1	0
2007	5	0	0	0	1	0	0	0	0	0	0	1	0
2007	5	0	0	0	1	0	0	0	0	0	0	1	0
2007	5	0	0	0	1	0	0	0	0	0	0	1	0
2007	5	0	0	0	1	0	0	0	0	0	0	1	0
2007	6	0	0	0	1	0	0	0	0	0	0	1	0
2007	6	0	0	0	1	0	0	0	0	0	0	1	0
2007	6	0	0	0	1	0	0	0	0	0	0	1	0
2007	6	0	0	0	1	0	0	0	0	0	0	1	0
2007	6	0	0	0	1	0	0	0	0	0	0	1	0
2007	7	0	0	0	1	0	0	0	0	0	0	1	0
2007	7	0	0	0	1	0	0	0	0	0	0	1	0
2007	7	0	0	0	1	0	0	0	0	0	0	1	0
2007	7	0	0	0	1	0	0	0	0	0	0	1	0
2007	7	0	0	0	1	0	0	0	0	0	0	1	0
2007	8	0	0	0	1	0	0	0	0	0	0	1	0

KPC\_Use\_Model\_Input

YEAR	MONTH	ind2	ind3	ind4	ind5	ind6	ind7	ind8	min1	min2	or1	or2	
2007	8	0	0	0	1	0	0	0	0	0	0	1	0
2007	8	0	0	0	1	0	0	0	0	0	0	1	0
2007	8	0	0	0	1	0	0	0	0	0	0	1	0
2007	8	0	0	0	1	0	0	0	0	0	0	1	0
2007	9	0	0	0	1	0	0	0	0	0	0	1	0
2007	9	0	0	0	1	0	0	0	0	0	0	1	0
2007	9	0	0	0	1	0	0	0	0	0	0	1	0
2007	9	0	0	0	1	0	0	0	0	0	0	1	0
2007	10	0	0	0	1	0	0	0	1	0	0	1	0
2007	10	0	0	0	1	0	0	0	1	0	0	1	0
2007	10	0	0	0	1	0	0	0	1	0	0	1	0
2007	10	0	0	0	1	0	0	0	1	0	0	1	0
2007	10	0	0	0	1	0	0	0	1	0	0	1	0
2007	11	0	0	0	1	0	0	0	-1	0	0	1	0
2007	11	0	0	0	1	0	0	0	-1	0	0	1	0
2007	11	0	0	0	1	0	0	0	-1	0	0	1	0
2007	11	0	0	0	1	0	0	0	-1	0	0	1	0
2007	11	0	0	0	1	0	0	0	-1	0	0	1	0
2007	12	0	0	0	1	0	0	0	0	0	0	1	0
2007	12	0	0	0	1	0	0	0	0	0	0	1	0
2007	12	0	0	0	1	0	0	0	0	0	0	1	0
2007	12	0	0	0	1	0	0	0	0	0	0	1	0
2007	12	0	0	0	1	0	0	0	0	0	0	1	0
2008	1	0	0	0	1	0	0	0	0	0	0	1	0
2008	1	0	0	0	1	0	0	0	0	0	0	1	0
2008	1	0	0	0	1	0	0	0	0	0	0	1	0
2008	1	0	0	0	1	0	0	0	0	0	0	1	0
2008	1	0	0	0	1	0	0	0	0	0	0	1	0
2008	2	0	0	0	1	0	0	0	0	0	0	1	0
2008	2	0	0	0	1	0	0	0	0	0	0	1	0
2008	2	0	0	0	1	0	0	0	0	0	0	1	0
2008	2	0	0	0	1	0	0	0	0	0	0	1	0
2008	2	0	0	0	1	0	0	0	0	0	0	1	0
2008	2	0	0	0	1	0	0	0	0	0	0	1	0
2008	3	0	0	0	1	0	0	0	0	0	0	1	0
2008	3	0	0	0	1	0	0	0	0	0	0	1	0

KPC\_Use\_Model\_Input

YEAR	MONTH	ind2	ind3	ind4	ind5	ind6	ind7	ind8	min1	min2	or1	or2	
2008	3	0	0	0	1	0	0	0	0	0	0	1	0
2008	3	0	0	0	1	0	0	0	0	0	0	1	0
2008	3	0	0	0	1	0	0	0	0	0	0	1	0
2008	4	0	0	0	1	0	0	0	0	0	0	1	0
2008	4	0	0	0	1	0	0	0	0	0	0	1	0
2008	4	0	0	0	1	0	0	0	0	0	0	1	0
2008	4	0	0	0	1	0	0	0	0	0	0	1	0
2008	4	0	0	0	1	0	0	0	0	0	0	1	0
2008	4	0	0	0	1	0	0	0	0	0	0	1	0
2008	5	0	0	0	1	0	0	0	0	0	0	1	0
2008	5	0	0	0	1	0	0	0	0	0	0	1	0
2008	5	0	0	0	1	0	0	0	0	0	0	1	0
2008	5	0	0	0	1	0	0	0	0	0	0	1	0
2008	5	0	0	0	1	0	0	0	0	0	0	1	0
2008	6	0	0	0	1	0	0	0	0	0	0	1	0
2008	6	0	0	0	1	0	0	0	0	0	0	1	0
2008	6	0	0	0	1	0	0	0	0	0	0	1	0
2008	6	0	0	0	1	0	0	0	0	0	0	1	0
2008	6	0	0	0	1	0	0	0	0	0	0	1	0
2008	6	0	0	0	1	0	0	0	0	0	0	1	0
2008	6	0	0	0	1	0	0	0	0	0	0	1	0
2008	7	0	0	0	1	0	0	0	0	0	0	1	0
2008	7	0	0	0	1	0	0	0	0	0	0	1	0
2008	7	0	0	0	1	0	0	0	0	0	0	1	0
2008	7	0	0	0	1	0	0	0	0	0	0	1	0
2008	7	0	0	0	1	0	0	0	0	0	0	1	0
2008	7	0	0	0	1	0	0	0	0	0	0	1	0
2008	7	0	0	0	1	0	0	0	0	0	0	1	0
2008	7	0	0	0	1	0	0	0	0	0	0	1	0
2008	8	0	0	0	1	0	0	0	0	0	0	1	0
2008	8	0	0	0	1	0	0	0	0	0	0	1	0
2008	8	0	0	0	1	0	0	0	0	0	0	1	0
2008	8	0	0	0	1	0	0	0	0	0	0	1	0
2008	8	0	0	0	1	0	0	0	0	0	0	1	0
2008	8	0	0	0	1	0	0	0	0	0	0	1	0
2008	8	0	0	0	1	0	0	0	0	0	0	1	0
2008	9	0	0	0	1	0	0	0	0	0	0	1	0
2008	9	0	0	0	1	0	0	0	0	0	0	1	0
2008	9	0	0	0	1	0	0	0	0	0	0	1	0
2008	9	0	0	0	1	0	0	0	0	0	0	1	0
2008	9	0	0	0	1	0	0	0	0	0	0	1	0
2008	9	0	0	0	1	0	0	0	0	0	0	1	0
2008	10	0	0	0	1	0	0	0	0	0	0	1	0
2008	10	0	0	0	1	0	0	0	0	0	0	1	0
2008	10	0	0	0	1	0	0	0	0	0	0	1	0

KPC\_Use\_Model\_Input

YEAR	MONTH	ind2	ind3	ind4	ind5	ind6	ind7	ind8	min1	min2	or1	or2	
2008	10	0	0	0	1	0	0	0	0	0	0	1	0
2008	10	0	0	0	1	0	0	0	0	0	0	1	0
2008	11	0	0	0	1	0	0	0	0	0	0	1	0
2008	11	0	0	0	1	0	0	0	0	0	0	1	0
2008	11	0	0	0	1	0	0	0	0	0	0	1	0
2008	11	0	0	0	1	0	0	0	0	0	0	1	0
2008	11	0	0	0	1	0	0	0	0	0	0	1	0
2008	12	0	0	0	1	0	0	0	0	0	0	1	0
2008	12	0	0	0	1	0	0	0	0	0	0	1	0
2008	12	0	0	0	1	0	0	0	0	0	0	1	0
2008	12	0	0	0	1	0	0	0	0	0	0	1	0
2008	12	0	0	0	1	0	0	0	0	0	0	1	0
2009	1	0	0	0	1	0	0	0	0	0	0	1	0
2009	1	0	0	0	1	0	0	0	0	0	0	1	0
2009	1	0	0	0	1	0	0	0	0	0	0	1	0
2009	1	0	0	0	1	0	0	0	0	0	0	1	0
2009	1	0	0	0	1	0	0	0	0	0	0	1	0
2009	2	0	0	0	1	0	0	0	0	0	0	1	0
2009	2	0	0	0	1	0	0	0	0	0	0	1	0
2009	2	0	0	0	1	0	0	0	0	0	0	1	0
2009	2	0	0	0	1	0	0	0	0	0	0	1	0
2009	2	0	0	0	1	0	0	0	0	0	0	1	0
2009	3	0	0	0	1	0	0	0	0	0	0	1	0
2009	3	0	0	0	1	0	0	0	0	0	0	1	0
2009	3	0	0	0	1	0	0	0	0	0	0	1	0
2009	3	0	0	0	1	0	0	0	0	0	0	1	0
2009	3	0	0	0	1	0	0	0	0	0	0	1	0
2009	4	0	0	0	1	0	0	0	0	0	0	1	0
2009	4	0	0	0	1	0	0	0	0	0	0	1	0
2009	4	0	0	0	1	0	0	0	0	0	0	1	0
2009	4	0	0	0	1	0	0	0	0	0	0	1	0
2009	4	0	0	0	1	0	0	0	0	0	0	1	0
2009	5	0	0	0	1	0	0	0	0	0	0	1	0
2009	5	0	0	0	1	0	0	0	0	0	0	1	0
2009	5	0	0	0	1	0	0	0	0	0	0	1	0
2009	5	0	0	0	1	0	0	0	0	0	0	1	0

KPC\_Use\_Model\_Input

YEAR	MONTH	ind2	ind3	ind4	ind5	ind6	ind7	ind8	min1	min2	or1	or2	
2009	5	0	0	0	1	0	0	0	0	0	0	1	0
2009	6	0	0	0	1	0	0	0	0	0	0	1	0
2009	6	0	0	0	1	0	0	0	0	0	0	1	0
2009	6	0	0	0	1	0	0	0	0	0	0	1	0
2009	6	0	0	0	1	0	0	0	0	0	0	1	0
2009	6	0	0	0	1	0	0	0	0	0	0	1	0
2009	7	0	0	0	1	0	0	0	0	0	0	1	0
2009	7	0	0	0	1	0	0	0	0	0	0	1	0
2009	7	0	0	0	1	0	0	0	0	0	0	1	0
2009	7	0	0	0	1	0	0	0	0	0	0	1	0
2009	7	0	0	0	1	0	0	0	0	0	0	1	0
2009	7	0	0	0	1	0	0	0	0	0	0	1	0
2009	8	0	0	0	1	0	0	0	0	0	0	1	0
2009	8	0	0	0	1	0	0	0	0	0	0	1	0
2009	8	0	0	0	1	0	0	0	0	0	0	1	0
2009	8	0	0	0	1	0	0	0	0	0	0	1	0
2009	8	0	0	0	1	0	0	0	0	0	0	1	0
2009	9	0	0	0	1	0	0	0	0	0	0	1	0
2009	9	0	0	0	1	0	0	0	0	0	0	1	0
2009	9	0	0	0	1	0	0	0	0	0	0	1	0
2009	9	0	0	0	1	0	0	0	0	0	0	1	0
2009	9	0	0	0	1	0	0	0	0	0	0	1	0
2009	10	0	0	0	1	0	0	0	0	0	0	1	0
2009	10	0	0	0	1	0	0	0	0	0	0	1	0
2009	10	0	0	0	1	0	0	0	0	0	0	1	0
2009	10	0	0	0	1	0	0	0	0	0	0	1	0
2009	10	0	0	0	1	0	0	0	0	0	0	1	0
2009	11	0	0	0	1	0	0	0	0	0	0	1	0
2009	11	0	0	0	1	0	0	0	0	0	0	1	0
2009	11	0	0	0	1	0	0	0	0	0	0	1	0
2009	11	0	0	0	1	0	0	0	0	0	0	1	0
2009	11	0	0	0	1	0	0	0	0	0	0	1	0
2009	12	0	0	0	1	0	0	0	0	0	0	1	0
2009	12	0	0	0	1	0	0	0	0	0	0	1	0
2009	12	0	0	0	1	0	0	0	0	0	0	1	0
2009	12	0	0	0	1	0	0	0	0	0	0	1	0
2009	12	0	0	0	1	0	0	0	0	0	0	1	0

KPC\_Use\_Model\_Input

YEAR	MONTH	ind2	ind3	ind4	ind5	ind6	ind7	ind8	min1	min2	or1	or2	
2010	1	0	0	0	1	0	0	0	0	0	0	1	0
2010	1	0	0	0	1	0	0	0	0	0	0	1	0
2010	1	0	0	0	1	0	0	0	0	0	0	1	0
2010	1	0	0	0	1	0	0	0	0	0	0	1	0
2010	1	0	0	0	1	0	0	0	0	0	0	1	0
2010	2	0	0	0	1	0	0	0	0	0	0	1	0
2010	2	0	0	0	1	0	0	0	0	0	0	1	0
2010	2	0	0	0	1	0	0	0	0	0	0	1	0
2010	2	0	0	0	1	0	0	0	0	0	0	1	0
2010	2	0	0	0	1	0	0	0	0	0	0	1	0
2010	3	0	0	0	1	0	0	0	0	0	0	1	0
2010	3	0	0	0	1	0	0	0	0	0	0	1	0
2010	3	0	0	0	1	0	0	0	0	0	0	1	0
2010	3	0	0	0	1	0	0	0	0	0	0	1	0
2010	3	0	0	0	1	0	0	0	0	0	0	1	0
2010	3	0	0	0	1	0	0	0	0	0	0	1	0
2010	4	0	0	0	1	0	0	0	0	0	0	1	0
2010	4	0	0	0	1	0	0	0	0	0	0	1	0
2010	4	0	0	0	1	0	0	0	0	0	0	1	0
2010	4	0	0	0	1	0	0	0	0	0	0	1	0
2010	4	0	0	0	1	0	0	0	0	0	0	1	0
2010	4	0	0	0	1	0	0	0	0	0	0	1	0
2010	5	0	0	0	1	0	0	0	0	0	0	1	0
2010	5	0	0	0	1	0	0	0	0	0	0	1	0
2010	5	0	0	0	1	0	0	0	0	0	0	1	0
2010	5	0	0	0	1	0	0	0	0	0	0	1	0
2010	5	0	0	0	1	0	0	0	0	0	0	1	0
2010	6	0	0	0	1	0	0	0	0	0	0	1	0
2010	6	0	0	0	1	0	0	0	0	0	0	1	0
2010	6	0	0	0	1	0	0	0	0	0	0	1	0
2010	6	0	0	0	1	0	0	0	0	0	0	1	0
2010	6	0	0	0	1	0	0	0	0	0	0	1	0
2010	6	0	0	0	1	0	0	0	0	0	0	1	0
2010	7	0	0	0	1	0	0	0	0	0	0	1	0
2010	7	0	0	0	1	0	0	0	0	0	0	1	0
2010	7	0	0	0	1	0	0	0	0	0	0	1	0
2010	7	0	0	0	1	0	0	0	0	0	0	1	0
2010	7	0	0	0	1	0	0	0	0	0	0	1	0
2010	7	0	0	0	1	0	0	0	0	0	0	1	0
2010	8	0	0	0	1	0	0	0	0	0	0	1	0

KPC\_Use\_Model\_Input

YEAR	MONTH	ind2	ind3	ind4	ind5	ind6	ind7	ind8	min1	min2	or1	or2	
2010	8	0	0	0	1	0	0	0	0	0	0	1	0
2010	8	0	0	0	1	0	0	0	0	0	0	1	0
2010	8	0	0	0	1	0	0	0	0	0	0	1	0
2010	8	0	0	0	1	0	0	0	0	0	0	1	0
2010	9	0	0	0	1	0	0	0	0	0	0	1	0
2010	9	0	0	0	1	0	0	0	0	0	0	1	0
2010	9	0	0	0	1	0	0	0	0	0	0	1	0
2010	9	0	0	0	1	0	0	0	0	0	0	1	0
2010	9	0	0	0	1	0	0	0	0	0	0	1	0
2010	10	0	0	0	1	0	0	0	0	0	0	1	0
2010	10	0	0	0	1	0	0	0	0	0	0	1	0
2010	10	0	0	0	1	0	0	0	0	0	0	1	0
2010	10	0	0	0	1	0	0	0	0	0	0	1	0
2010	10	0	0	0	1	0	0	0	0	0	0	1	0
2010	10	0	0	0	1	0	0	0	0	0	0	1	0
2010	11	0	0	0	1	0	0	0	0	0	0	1	0
2010	11	0	0	0	1	0	0	0	0	0	0	1	0
2010	11	0	0	0	1	0	0	0	0	0	0	1	0
2010	11	0	0	0	1	0	0	0	0	0	0	1	0
2010	11	0	0	0	1	0	0	0	0	0	0	1	0
2010	12	0	0	0	1	0	0	0	0	0	0	1	0
2010	12	0	0	0	1	0	0	0	0	0	0	1	0
2010	12	0	0	0	1	0	0	0	0	0	0	1	0
2010	12	0	0	0	1	0	0	0	0	0	0	1	0
2010	12	0	0	0	1	0	0	0	0	0	0	1	0
2011	1	0	0	0	1	0	0	0	0	0	0	1	0
2011	1	0	0	0	1	0	0	0	0	0	0	1	0
2011	1	0	0	0	1	0	0	0	0	0	0	1	0
2011	1	0	0	0	1	0	0	0	0	0	0	1	0
2011	1	0	0	0	1	0	0	0	0	0	0	1	0
2011	2	0	0	0	1	0	0	0	0	0	0	1	0
2011	2	0	0	0	1	0	0	0	0	0	0	1	0
2011	2	0	0	0	1	0	0	0	0	0	0	1	0
2011	2	0	0	0	1	0	0	0	0	0	0	1	0
2011	2	0	0	0	1	0	0	0	0	0	0	1	0
2011	3	0	0	0	1	0	0	0	0	0	0	1	0
2011	3	0	0	0	1	0	0	0	0	0	0	1	0



KPC\_Use\_Model\_Input

YEAR	MONTH	ind2	ind3	ind4	ind5	ind6	ind7	ind8	min1	min2	or1	or2	
2011	3	0	0	0	1	0	0	0	0	0	0	1	0
2011	3	0	0	0	1	0	0	0	0	0	0	1	0
2011	3	0	0	0	1	0	0	0	0	0	0	1	0
2011	4	0	0	0	1	0	0	0	0	0	0	1	0
2011	4	0	0	0	1	0	0	0	0	0	0	1	0
2011	4	0	0	0	1	0	0	0	0	0	0	1	0
2011	4	0	0	0	1	0	0	0	0	0	0	1	0
2011	4	0	0	0	1	0	0	0	0	0	0	1	0
2011	5	0	0	0	1	0	0	0	0	0	0	1	0
2011	5	0	0	0	1	0	0	0	0	0	0	1	0
2011	5	0	0	0	1	0	0	0	0	0	0	1	0
2011	5	0	0	0	1	0	0	0	0	0	0	1	0
2011	5	0	0	0	1	0	0	0	0	0	0	1	0
2011	6	0	0	0	1	0	0	0	0	0	0	1	0
2011	6	0	0	0	1	0	0	0	0	0	0	1	0
2011	6	0	0	0	1	0	0	0	0	0	0	1	0
2011	6	0	0	0	1	0	0	0	0	0	0	1	0
2011	6	0	0	0	1	0	0	0	0	0	0	1	0
2011	6	0	0	0	1	0	0	0	0	0	0	1	0
2011	6	0	0	0	1	0	0	0	0	0	0	1	0
2011	7	0	0	0	1	0	0	0	0	0	0	1	0
2011	7	0	0	0	1	0	0	0	0	0	0	1	0
2011	7	0	0	0	1	0	0	0	0	0	0	1	0
2011	7	0	0	0	1	0	0	0	0	0	0	1	0
2011	7	0	0	0	1	0	0	0	0	0	0	1	0
2011	7	0	0	0	1	0	0	0	0	0	0	1	0
2011	7	0	0	0	1	0	0	0	0	0	0	1	0
2011	8	0	0	0	1	0	0	0	0	0	0	1	0
2011	8	0	0	0	1	0	0	0	0	0	0	1	0
2011	8	0	0	0	1	0	0	0	0	0	0	1	0
2011	8	0	0	0	1	0	0	0	0	0	0	1	0
2011	8	0	0	0	1	0	0	0	0	0	0	1	0
2011	9	0	0	0	1	0	0	0	0	0	0	1	0
2011	9	0	0	0	1	0	0	0	0	0	0	1	0
2011	9	0	0	0	1	0	0	0	0	0	0	1	0
2011	9	0	0	0	1	0	0	0	0	0	0	1	0
2011	9	0	0	0	1	0	0	0	0	0	0	1	0
2011	9	0	0	0	1	0	0	0	0	0	0	1	0
2011	10	0	0	0	1	0	0	0	0	0	0	1	0
2011	10	0	0	0	1	0	0	0	0	0	0	1	0
2011	10	0	0	0	1	0	0	0	0	0	0	1	0

KPC\_Use\_Model\_Input

YEAR	MONTH	ind2	ind3	ind4	ind5	ind6	ind7	ind8	min1	min2	or1	or2	
2011	10	0	0	0	1	0	0	0	0	0	0	1	0
2011	10	0	0	0	1	0	0	0	0	0	0	1	0
2011	11	0	0	0	1	0	0	0	0	0	0	1	0
2011	11	0	0	0	1	0	0	0	0	0	0	1	0
2011	11	0	0	0	1	0	0	0	0	0	0	1	0
2011	11	0	0	0	1	0	0	0	0	0	0	1	0
2011	11	0	0	0	1	0	0	0	0	0	0	1	0
2011	12	0	0	0	1	0	0	0	0	0	0	1	0
2011	12	0	0	0	1	0	0	0	0	0	0	1	0
2011	12	0	0	0	1	0	0	0	0	0	0	1	0
2011	12	0	0	0	1	0	0	0	0	0	0	1	0
2011	12	0	0	0	1	0	0	0	0	0	0	1	0

KPC\_Use\_Model\_Input

YEAR	MONTH	or3	or4	or5	im1
1998	1	0	0	0	0
1998	1	0	0	0	0
1998	1	0	0	0	0
1998	1	0	0	0	0
1998	1	0	0	0	0
1998	2	0	0	0	0
1998	2	0	0	0	0
1998	2	0	0	0	0
1998	2	0	0	0	0
1998	2	0	0	0	0
1998	3	0	0	0	0
1998	3	0	0	0	0
1998	3	0	0	0	0
1998	3	0	0	0	0
1998	3	0	0	0	0
1998	4	0	0	0	0
1998	4	0	0	0	0
1998	4	0	0	0	0
1998	4	0	0	0	0
1998	4	0	0	0	0
1998	5	0	0	0	0
1998	5	0	0	0	0
1998	5	0	0	0	0
1998	5	0	0	0	0
1998	5	0	0	0	0
1998	6	0	0	0	0
1998	6	0	0	0	0
1998	6	0	0	0	0
1998	6	0	0	0	0
1998	6	0	0	0	0
1998	7	0	0	0	0
1998	7	0	0	0	0
1998	7	0	0	0	0
1998	7	0	0	0	0
1998	7	0	0	0	0
1998	8	0	0	0	0

KPC\_Use\_Model\_Input

YEAR	MONTH	or3	or4	or5	im1
1998	8	0	0	0	0
1998	8	0	0	0	0
1998	8	0	0	0	0
1998	8	0	0	0	0
1998	9	0	0	0	0
1998	9	0	0	0	0
1998	9	0	0	0	0
1998	9	0	0	0	0
1998	9	0	0	0	0
1998	10	0	0	0	0
1998	10	0	0	0	0
1998	10	0	0	0	0
1998	10	0	0	0	0
1998	10	0	0	0	0
1998	11	0	0	0	0
1998	11	0	0	0	0
1998	11	0	0	0	0
1998	11	0	0	0	0
1998	11	0	0	0	0
1998	12	0	0	0	0
1998	12	0	0	0	0
1998	12	0	0	0	0
1998	12	0	0	0	0
1998	12	0	0	0	0
1999	1	0	0	0	0
1999	1	0	0	0	0
1999	1	0	0	0	0
1999	1	0	0	0	0
1999	1	0	0	0	0
1999	2	0	0	0	0
1999	2	0	0	0	0
1999	2	0	0	0	0
1999	2	0	0	0	0
1999	2	0	0	0	0
1999	3	0	0	0	0
1999	3	0	0	0	0

KPC\_Use\_Model\_Input

YEAR	MONTH	or3	or4	or5	im1
1999	3	0	0	0	0
1999	3	0	0	0	0
1999	3	0	0	0	0
1999	4	0	0	0	0
1999	4	0	0	0	0
1999	4	0	0	0	0
1999	4	0	0	0	0
1999	4	0	0	0	0
1999	4	0	0	0	0
1999	5	0	0	0	0
1999	5	0	0	0	0
1999	5	0	0	0	0
1999	5	0	0	0	0
1999	5	0	0	0	0
1999	6	0	0	0	0
1999	6	0	0	0	0
1999	6	0	0	0	0
1999	6	0	0	0	0
1999	6	0	0	0	0
1999	7	0	0	0	0
1999	7	0	0	0	0
1999	7	0	0	0	0
1999	7	0	0	0	0
1999	7	0	0	0	0
1999	8	0	0	0	0
1999	8	0	0	0	0
1999	8	0	0	0	0
1999	8	0	0	0	0
1999	8	0	0	0	0
1999	9	0	0	0	0
1999	9	0	0	0	0
1999	9	0	0	0	0
1999	9	0	0	0	0
1999	9	0	0	0	0
1999	10	0	0	0	0
1999	10	0	0	0	0
1999	10	0	0	0	0

KPC\_Use\_Model\_Input

YEAR	MONTH	or3	or4	or5	im1	
1999	10	0	0	0	0	0
1999	10	0	0	0	0	0
1999	11	0	0	0	0	0
1999	11	0	0	0	0	0
1999	11	0	0	0	0	0
1999	11	0	0	0	0	0
1999	11	0	0	0	0	0
1999	11	0	0	0	0	0
1999	12	0	0	0	0	0
1999	12	0	0	0	0	0
1999	12	0	0	0	0	0
1999	12	0	0	0	0	0
1999	12	0	0	0	0	0
2000	1	0	0	0	0	0
2000	1	0	0	0	0	0
2000	1	0	0	0	0	0
2000	1	0	0	0	0	0
2000	1	0	0	0	0	0
2000	2	0	0	0	0	0
2000	2	0	0	0	0	0
2000	2	0	0	0	0	0
2000	2	0	0	0	0	0
2000	2	0	0	0	0	0
2000	3	0	0	0	0	0
2000	3	0	0	0	0	0
2000	3	0	0	0	0	0
2000	3	0	0	0	0	0
2000	3	0	0	0	0	0
2000	4	0	0	0	0	0
2000	4	0	0	0	0	0
2000	4	0	0	0	0	0
2000	4	0	0	0	0	0
2000	4	0	0	0	0	0
2000	5	0	0	0	0	0
2000	5	0	0	0	0	0
2000	5	0	0	0	0	0
2000	5	0	0	0	0	0

KPC\_Use\_Model\_Input

YEAR	MONTH	or3	or4	or5	im1	
2000	5	0	0	0	0	0
2000	6	0	0	0	0	0
2000	6	0	0	0	0	0
2000	6	0	0	0	0	0
2000	6	0	0	0	0	0
2000	6	0	0	0	0	0
2000	7	0	0	0	0	0
2000	7	0	0	0	0	0
2000	7	0	0	0	0	0
2000	7	0	0	0	0	0
2000	7	0	0	0	0	0
2000	8	0	0	0	0	0
2000	8	0	0	0	0	0
2000	8	0	0	0	0	0
2000	8	0	0	0	0	0
2000	8	0	0	0	0	0
2000	9	0	0	0	0	0
2000	9	0	0	0	0	0
2000	9	0	0	0	0	0
2000	9	0	0	0	0	0
2000	9	0	0	0	0	0
2000	10	0	0	0	0	0
2000	10	0	0	0	0	0
2000	10	0	0	0	0	0
2000	10	0	0	0	0	0
2000	10	0	0	0	0	0
2000	11	0	0	0	0	0
2000	11	0	0	0	0	0
2000	11	0	0	0	0	0
2000	11	0	0	0	0	0
2000	11	0	0	0	0	0
2000	12	0	0	0	0	0
2000	12	0	0	0	0	0
2000	12	0	0	0	0	0
2000	12	0	0	0	0	0
2000	12	0	0	0	0	0

KPC\_Use\_Model\_Input

YEAR	MONTH	or3	or4	or5	im1
2001	1	0	0	0	0
2001	1	0	0	0	0
2001	1	0	0	0	0
2001	1	0	0	0	0
2001	1	0	0	0	0
2001	2	0	0	0	0
2001	2	0	0	0	0
2001	2	0	0	0	0
2001	2	0	0	0	0
2001	2	0	0	0	0
2001	3	0	0	0	0
2001	3	0	0	0	0
2001	3	0	0	0	0
2001	3	0	0	0	0
2001	3	0	0	0	0
2001	4	0	0	0	0
2001	4	0	0	0	0
2001	4	0	0	0	0
2001	4	0	0	0	0
2001	4	0	0	0	0
2001	5	0	0	0	0
2001	5	0	0	0	0
2001	5	0	0	0	0
2001	5	0	0	0	0
2001	5	0	0	0	0
2001	6	0	0	0	0
2001	6	0	0	0	0
2001	6	0	0	0	0
2001	6	0	0	0	0
2001	6	0	0	0	0
2001	7	0	0	0	0
2001	7	0	0	0	0
2001	7	0	0	0	0
2001	7	0	0	0	0
2001	7	0	0	0	0
2001	8	0	0	0	0



KPC\_Use\_Model\_Input

YEAR	MONTH	or3	or4	or5	im1
2001	8	0	0	0	0
2001	8	0	0	0	0
2001	8	0	0	0	0
2001	8	0	0	0	0
2001	9	0	0	0	0
2001	9	0	0	0	0
2001	9	0	0	0	0
2001	9	0	0	0	0
2001	9	0	0	0	0
2001	10	0	0	0	0
2001	10	0	0	0	0
2001	10	0	0	0	0
2001	10	0	0	0	0
2001	10	0	0	0	0
2001	11	0	0	0	0
2001	11	0	0	0	0
2001	11	0	0	0	0
2001	11	0	0	0	0
2001	11	0	0	0	0
2001	12	0	0	0	0
2001	12	0	0	0	0
2001	12	0	0	0	0
2001	12	0	0	0	0
2001	12	0	0	0	0
2002	1	0	0	0	0
2002	1	0	0	0	0
2002	1	0	0	0	0
2002	1	0	0	0	0
2002	1	0	0	0	0
2002	2	0	0	0	0
2002	2	0	0	0	0
2002	2	0	0	0	0
2002	2	0	0	0	0
2002	2	0	0	0	0
2002	2	0	0	0	0
2002	3	0	0	0	0
2002	3	0	0	0	0

KPC\_Use\_Model\_Input

YEAR	MONTH	or3	or4	or5	im1	
2002	3	0	0	0	0	0
2002	3	0	0	0	0	0
2002	3	0	0	0	0	0
2002	4	0	0	0	0	0
2002	4	0	0	0	0	0
2002	4	0	0	0	0	0
2002	4	0	0	0	0	0
2002	4	0	0	0	0	0
2002	5	0	0	0	0	0
2002	5	0	0	0	0	0
2002	5	0	0	0	0	0
2002	5	0	0	0	0	0
2002	5	0	0	0	0	0
2002	6	0	0	0	0	0
2002	6	0	0	0	0	0
2002	6	0	0	0	0	0
2002	6	0	0	0	0	0
2002	6	0	0	0	0	0
2002	7	0	0	0	0	0
2002	7	0	0	0	0	0
2002	7	0	0	0	0	0
2002	7	0	0	0	0	0
2002	7	0	0	0	0	0
2002	8	0	0	0	0	0
2002	8	0	0	0	0	0
2002	8	0	0	0	0	0
2002	8	0	0	0	0	0
2002	8	0	0	0	0	0
2002	9	0	0	0	0	0
2002	9	0	0	0	0	0
2002	9	0	0	0	0	0
2002	9	0	0	0	0	0
2002	9	0	0	0	0	0
2002	10	0	0	0	0	0
2002	10	0	0	0	0	0
2002	10	0	0	0	0	0

KPC\_Use\_Model\_Input

YEAR	MONTH	or3	or4	or5	im1
2002	10	0	0	0	0
2002	10	0	0	0	0
2002	11	0	0	0	0
2002	11	0	0	0	0
2002	11	0	0	0	0
2002	11	0	0	0	0
2002	11	0	0	0	0
2002	12	0	0	0	0
2002	12	0	0	0	0
2002	12	0	0	0	0
2002	12	0	0	0	0
2002	12	0	0	0	0
2003	1	0	0	0	0
2003	1	0	0	0	0
2003	1	0	0	0	0
2003	1	0	0	0	0
2003	1	0	0	0	0
2003	2	0	0	0	0
2003	2	0	0	0	0
2003	2	0	0	0	0
2003	2	0	0	0	0
2003	2	0	0	0	0
2003	3	0	0	0	0
2003	3	0	0	0	0
2003	3	0	0	0	0
2003	3	0	0	0	0
2003	3	0	0	0	0
2003	4	0	0	0	0
2003	4	0	0	0	0
2003	4	0	0	0	0
2003	4	0	0	0	0
2003	4	0	0	0	0
2003	5	0	0	0	0
2003	5	0	0	0	0
2003	5	0	0	0	0
2003	5	0	0	0	0

KPC\_Use\_Model\_Input

YEAR	MONTH	or3	or4	or5	im1	
2003	5	0	0	0	0	0
2003	6	0	0	0	0	0
2003	6	0	0	0	0	0
2003	6	0	0	0	0	0
2003	6	0	0	0	0	0
2003	6	0	0	0	0	0
2003	7	0	0	0	0	0
2003	7	0	0	0	0	0
2003	7	0	0	0	0	0
2003	7	0	0	0	0	0
2003	7	0	0	0	0	0
2003	8	0	0	0	0	0
2003	8	0	0	0	0	0
2003	8	0	0	0	0	0
2003	8	0	0	0	0	0
2003	8	0	0	0	0	0
2003	9	0	0	0	0	0
2003	9	0	0	0	0	0
2003	9	0	0	0	0	0
2003	9	0	0	0	0	0
2003	9	0	0	0	0	0
2003	10	0	0	0	0	0
2003	10	0	0	0	0	0
2003	10	0	0	0	0	0
2003	10	0	0	0	0	0
2003	10	0	0	0	0	0
2003	11	0	0	0	0	0
2003	11	0	0	0	0	0
2003	11	0	0	0	0	0
2003	11	0	0	0	0	0
2003	11	0	0	0	0	0
2003	12	0	0	0	0	0
2003	12	0	0	0	0	0
2003	12	0	0	0	0	0
2003	12	0	0	0	0	0
2003	12	0	0	0	0	0

KPC\_Use\_Model\_Input

YEAR	MONTH	or3	or4	or5	im1
2004	1	0	0	0	0
2004	1	0	0	0	0
2004	1	0	0	0	0
2004	1	0	0	0	0
2004	1	0	0	0	0
2004	2	0	0	0	0
2004	2	0	0	0	0
2004	2	0	0	0	0
2004	2	0	0	0	0
2004	2	0	0	0	0
2004	3	0	0	0	0
2004	3	0	0	0	0
2004	3	0	0	0	0
2004	3	0	0	0	0
2004	3	0	0	0	0
2004	4	0	0	0	0
2004	4	0	0	0	0
2004	4	0	0	0	0
2004	4	0	0	0	0
2004	4	0	0	0	0
2004	5	0	0	0	0
2004	5	0	0	0	0
2004	5	0	0	0	0
2004	5	0	0	0	0
2004	5	0	0	0	0
2004	6	0	0	0	0
2004	6	0	0	0	0
2004	6	0	0	0	0
2004	6	0	0	0	0
2004	6	0	0	0	0
2004	7	0	0	0	0
2004	7	0	0	0	0
2004	7	0	0	0	0
2004	7	0	0	0	0
2004	7	0	0	0	0
2004	8	0	0	0	0

KPC\_Use\_Model\_Input

YEAR	MONTH	or3	or4	or5	im1
2004	8	0	0	0	0
2004	8	0	0	0	0
2004	8	0	0	0	0
2004	8	0	0	0	0
2004	9	0	0	0	0
2004	9	0	0	0	0
2004	9	0	0	0	0
2004	9	0	0	0	0
2004	9	0	0	0	0
2004	10	0	0	0	0
2004	10	0	0	0	0
2004	10	0	0	0	0
2004	10	0	0	0	0
2004	10	0	0	0	0
2004	11	0	0	0	0
2004	11	0	0	0	0
2004	11	0	0	0	0
2004	11	0	0	0	0
2004	11	0	0	0	0
2004	12	0	0	0	0
2004	12	0	0	0	0
2004	12	0	0	0	0
2004	12	0	0	0	0
2004	12	0	0	0	0
2005	1	0	0	0	0
2005	1	0	0	0	0
2005	1	0	0	0	0
2005	1	0	0	0	0
2005	1	0	0	0	0
2005	2	0	0	0	0
2005	2	0	0	0	0
2005	2	0	0	0	0
2005	2	0	0	0	0
2005	2	0	0	0	0
2005	3	0	0	0	0
2005	3	0	0	0	0

KPC\_Use\_Model\_Input

YEAR	MONTH	or3	or4	or5	im1
2005	3	0	0	0	0
2005	3	0	0	0	0
2005	3	0	0	0	0
2005	4	0	0	0	0
2005	4	0	0	0	0
2005	4	0	0	0	0
2005	4	0	0	0	0
2005	4	0	0	0	0
2005	5	0	0	0	0
2005	5	0	0	0	0
2005	5	0	0	0	0
2005	5	0	0	0	0
2005	5	0	0	0	0
2005	6	0	0	0	0
2005	6	0	0	0	0
2005	6	0	0	0	0
2005	6	0	0	0	0
2005	6	0	0	0	0
2005	7	0	0	0	0
2005	7	0	0	0	0
2005	7	0	0	0	0
2005	7	0	0	0	0
2005	7	0	0	0	0
2005	8	0	0	0	0
2005	8	0	0	0	0
2005	8	0	0	0	0
2005	8	0	0	0	0
2005	8	0	0	0	0
2005	9	0	0	0	0
2005	9	0	0	0	0
2005	9	0	0	0	0
2005	9	0	0	0	0
2005	9	0	0	0	0
2005	10	0	0	0	0
2005	10	0	0	0	0
2005	10	0	0	0	0

KPC\_Use\_Model\_Input

YEAR	MONTH	or3	or4	or5	im1
2005	10	0	0	0	0
2005	10	0	0	0	0
2005	11	0	0	0	0
2005	11	0	0	0	0
2005	11	0	0	0	0
2005	11	0	0	0	0
2005	11	0	0	0	0
2005	12	0	0	0	1
2005	12	0	0	0	1
2005	12	0	0	0	1
2005	12	0	0	0	1
2005	12	0	0	0	1
2006	1	0	0	0	0
2006	1	0	0	0	0
2006	1	0	0	0	0
2006	1	0	0	0	0
2006	1	0	0	0	0
2006	2	0	0	0	0
2006	2	0	0	0	0
2006	2	0	0	0	0
2006	2	0	0	0	0
2006	2	0	0	0	0
2006	2	0	0	0	0
2006	3	0	0	0	0
2006	3	0	0	0	0
2006	3	0	0	0	0
2006	3	0	0	0	0
2006	3	0	0	0	0
2006	4	0	0	0	0
2006	4	0	0	0	0
2006	4	0	0	0	0
2006	4	0	0	0	0
2006	4	0	0	0	0
2006	5	0	0	0	0
2006	5	0	0	0	0
2006	5	0	0	0	0
2006	5	0	0	0	0



KPC\_Use\_Model\_Input

YEAR	MONTH	or3	or4	or5	im1
2006	5	0	0	0	0
2006	6	0	0	0	0
2006	6	0	0	0	0
2006	6	0	0	0	0
2006	6	0	0	0	0
2006	6	0	0	0	0
2006	7	0	0	0	0
2006	7	0	0	0	0
2006	7	0	0	0	0
2006	7	0	0	0	0
2006	7	0	0	0	0
2006	8	0	0	0	0
2006	8	0	0	0	0
2006	8	0	0	0	0
2006	8	0	0	0	0
2006	8	0	0	0	0
2006	9	0	0	0	0
2006	9	0	0	0	0
2006	9	0	0	0	0
2006	9	0	0	0	0
2006	9	0	0	0	0
2006	10	0	0	0	0
2006	10	0	0	0	0
2006	10	0	0	0	0
2006	10	0	0	0	0
2006	10	0	0	0	0
2006	11	0	0	0	0
2006	11	0	0	0	0
2006	11	0	0	0	0
2006	11	0	0	0	0
2006	11	0	0	0	0
2006	12	0	0	0	0
2006	12	0	0	0	0
2006	12	0	0	0	0
2006	12	0	0	0	0
2006	12	0	0	0	0

KPC\_Use\_Model\_Input

YEAR	MONTH	or3	or4	or5	im1
2007	1	0	0	0	0
2007	1	0	0	0	0
2007	1	0	0	0	0
2007	1	0	0	0	0
2007	1	0	0	0	0
2007	2	0	0	0	0
2007	2	0	0	0	0
2007	2	0	0	0	0
2007	2	0	0	0	0
2007	2	0	0	0	0
2007	3	0	0	0	0
2007	3	0	0	0	0
2007	3	0	0	0	0
2007	3	0	0	0	0
2007	3	0	0	0	0
2007	4	0	0	0	0
2007	4	0	0	0	0
2007	4	0	0	0	0
2007	4	0	0	0	0
2007	4	0	0	0	0
2007	5	0	0	0	0
2007	5	0	0	0	0
2007	5	0	0	0	0
2007	5	0	0	0	0
2007	5	0	0	0	0
2007	6	0	0	0	0
2007	6	0	0	0	0
2007	6	0	0	0	0
2007	6	0	0	0	0
2007	6	0	0	0	0
2007	7	0	0	0	0
2007	7	0	0	0	0
2007	7	0	0	0	0
2007	7	0	0	0	0
2007	7	0	0	0	0
2007	8	-1	0	0	0

KPC\_Use\_Model\_Input

YEAR	MONTH	or3	or4	or5	im1
2007	8	-1	0	0	0
2007	8	-1	0	0	0
2007	8	-1	0	0	0
2007	8	-1	0	0	0
2007	9	1	0	0	0
2007	9	1	0	0	0
2007	9	1	0	0	0
2007	9	1	0	0	0
2007	9	1	0	0	0
2007	10	0	0	0	0
2007	10	0	0	0	0
2007	10	0	0	0	0
2007	10	0	0	0	0
2007	10	0	0	0	0
2007	11	0	-1	0	0
2007	11	0	-1	0	0
2007	11	0	-1	0	0
2007	11	0	-1	0	0
2007	11	0	-1	0	0
2007	12	0	1	0	0
2007	12	0	1	0	0
2007	12	0	1	0	0
2007	12	0	1	0	0
2007	12	0	1	0	0
2008	1	0	0	0	0
2008	1	0	0	0	0
2008	1	0	0	0	0
2008	1	0	0	0	0
2008	1	0	0	0	0
2008	2	0	0	0	0
2008	2	0	0	0	0
2008	2	0	0	0	0
2008	2	0	0	0	0
2008	2	0	0	0	0
2008	2	0	0	0	0
2008	3	0	0	0	0
2008	3	0	0	0	0

KPC\_Use\_Model\_Input

YEAR	MONTH	or3	or4	or5	im1
2008	3	0	0	0	0
2008	3	0	0	0	0
2008	3	0	0	0	0
2008	4	0	0	0	0
2008	4	0	0	0	0
2008	4	0	0	0	0
2008	4	0	0	0	0
2008	4	0	0	0	0
2008	4	0	0	0	0
2008	5	0	0	0	0
2008	5	0	0	0	0
2008	5	0	0	0	0
2008	5	0	0	0	0
2008	5	0	0	0	0
2008	6	0	0	0	0
2008	6	0	0	0	0
2008	6	0	0	0	0
2008	6	0	0	0	0
2008	6	0	0	0	0
2008	7	0	0	0	0
2008	7	0	0	0	0
2008	7	0	0	0	0
2008	7	0	0	0	0
2008	7	0	0	0	0
2008	8	0	0	0	0
2008	8	0	0	0	0
2008	8	0	0	0	0
2008	8	0	0	0	0
2008	8	0	0	0	0
2008	9	0	0	-1	0
2008	9	0	0	-1	0
2008	9	0	0	-1	0
2008	9	0	0	-1	0
2008	9	0	0	-1	0
2008	10	0	0	1	0
2008	10	0	0	1	0
2008	10	0	0	1	0

KPC\_Use\_Model\_Input

YEAR	MONTH	or3	or4	or5	im1	
2008	10	0	0	0	1	0
2008	10	0	0	0	1	0
2008	11	0	0	0	0	0
2008	11	0	0	0	0	0
2008	11	0	0	0	0	0
2008	11	0	0	0	0	0
2008	11	0	0	0	0	0
2008	12	0	0	0	0	0
2008	12	0	0	0	0	0
2008	12	0	0	0	0	0
2008	12	0	0	0	0	0
2008	12	0	0	0	0	0
2009	1	0	0	0	0	0
2009	1	0	0	0	0	0
2009	1	0	0	0	0	0
2009	1	0	0	0	0	0
2009	1	0	0	0	0	0
2009	2	0	0	0	0	0
2009	2	0	0	0	0	0
2009	2	0	0	0	0	0
2009	2	0	0	0	0	0
2009	2	0	0	0	0	0
2009	3	0	0	0	0	0
2009	3	0	0	0	0	0
2009	3	0	0	0	0	0
2009	3	0	0	0	0	0
2009	3	0	0	0	0	0
2009	4	0	0	0	0	0
2009	4	0	0	0	0	0
2009	4	0	0	0	0	0
2009	4	0	0	0	0	0
2009	4	0	0	0	0	0
2009	5	0	0	0	0	0
2009	5	0	0	0	0	0
2009	5	0	0	0	0	0
2009	5	0	0	0	0	0

KPC\_Use\_Model\_Input

YEAR	MONTH	or3	or4	or5	im1
2009	5	0	0	0	0
2009	6	0	0	0	0
2009	6	0	0	0	0
2009	6	0	0	0	0
2009	6	0	0	0	0
2009	6	0	0	0	0
2009	7	0	0	0	0
2009	7	0	0	0	0
2009	7	0	0	0	0
2009	7	0	0	0	0
2009	7	0	0	0	0
2009	7	0	0	0	0
2009	8	0	0	0	0
2009	8	0	0	0	0
2009	8	0	0	0	0
2009	8	0	0	0	0
2009	8	0	0	0	0
2009	9	0	0	0	0
2009	9	0	0	0	0
2009	9	0	0	0	0
2009	9	0	0	0	0
2009	9	0	0	0	0
2009	10	0	0	0	0
2009	10	0	0	0	0
2009	10	0	0	0	0
2009	10	0	0	0	0
2009	10	0	0	0	0
2009	11	0	0	0	0
2009	11	0	0	0	0
2009	11	0	0	0	0
2009	11	0	0	0	0
2009	11	0	0	0	0
2009	12	0	0	0	0
2009	12	0	0	0	0
2009	12	0	0	0	0
2009	12	0	0	0	0
2009	12	0	0	0	0

KPC\_Use\_Model\_Input

YEAR	MONTH	or3	or4	or5	im1
2010	1	0	0	0	0
2010	1	0	0	0	0
2010	1	0	0	0	0
2010	1	0	0	0	0
2010	1	0	0	0	0
2010	2	0	0	0	0
2010	2	0	0	0	0
2010	2	0	0	0	0
2010	2	0	0	0	0
2010	2	0	0	0	0
2010	3	0	0	0	0
2010	3	0	0	0	0
2010	3	0	0	0	0
2010	3	0	0	0	0
2010	3	0	0	0	0
2010	4	0	0	0	0
2010	4	0	0	0	0
2010	4	0	0	0	0
2010	4	0	0	0	0
2010	4	0	0	0	0
2010	5	0	0	0	0
2010	5	0	0	0	0
2010	5	0	0	0	0
2010	5	0	0	0	0
2010	5	0	0	0	0
2010	6	0	0	0	0
2010	6	0	0	0	0
2010	6	0	0	0	0
2010	6	0	0	0	0
2010	6	0	0	0	0
2010	7	0	0	0	0
2010	7	0	0	0	0
2010	7	0	0	0	0
2010	7	0	0	0	0
2010	7	0	0	0	0
2010	8	0	0	0	0

KPC\_Use\_Model\_Input

YEAR	MONTH	or3	or4	or5	im1
2010	8	0	0	0	0
2010	8	0	0	0	0
2010	8	0	0	0	0
2010	8	0	0	0	0
2010	9	0	0	0	0
2010	9	0	0	0	0
2010	9	0	0	0	0
2010	9	0	0	0	0
2010	9	0	0	0	0
2010	10	0	0	0	0
2010	10	0	0	0	0
2010	10	0	0	0	0
2010	10	0	0	0	0
2010	10	0	0	0	0
2010	11	0	0	0	0
2010	11	0	0	0	0
2010	11	0	0	0	0
2010	11	0	0	0	0
2010	11	0	0	0	0
2010	12	0	0	0	0
2010	12	0	0	0	0
2010	12	0	0	0	0
2010	12	0	0	0	0
2010	12	0	0	0	0
2011	1	0	0	0	0
2011	1	0	0	0	0
2011	1	0	0	0	0
2011	1	0	0	0	0
2011	1	0	0	0	0
2011	2	0	0	0	0
2011	2	0	0	0	0
2011	2	0	0	0	0
2011	2	0	0	0	0
2011	2	0	0	0	0
2011	3	0	0	0	0
2011	3	0	0	0	0



KPC\_Use\_Model\_Input

YEAR	MONTH	or3	or4	or5	im1
2011	3	0	0	0	0
2011	3	0	0	0	0
2011	3	0	0	0	0
2011	4	0	0	0	0
2011	4	0	0	0	0
2011	4	0	0	0	0
2011	4	0	0	0	0
2011	4	0	0	0	0
2011	5	0	0	0	0
2011	5	0	0	0	0
2011	5	0	0	0	0
2011	5	0	0	0	0
2011	5	0	0	0	0
2011	6	0	0	0	0
2011	6	0	0	0	0
2011	6	0	0	0	0
2011	6	0	0	0	0
2011	6	0	0	0	0
2011	7	0	0	0	0
2011	7	0	0	0	0
2011	7	0	0	0	0
2011	7	0	0	0	0
2011	7	0	0	0	0
2011	8	0	0	0	0
2011	8	0	0	0	0
2011	8	0	0	0	0
2011	8	0	0	0	0
2011	8	0	0	0	0
2011	9	0	0	0	0
2011	9	0	0	0	0
2011	9	0	0	0	0
2011	9	0	0	0	0
2011	9	0	0	0	0
2011	10	0	0	0	0
2011	10	0	0	0	0
2011	10	0	0	0	0

KPC\_Use\_Model\_Input

YEAR	MONTH	or3	or4	or5	im1	
2011	10	0	0	0	0	0
2011	10	0	0	0	0	0
2011	11	0	0	0	0	0
2011	11	0	0	0	0	0
2011	11	0	0	0	0	0
2011	11	0	0	0	0	0
2011	11	0	0	0	0	0
2011	11	0	0	0	0	0
2011	12	0	0	0	0	0
2011	12	0	0	0	0	0
2011	12	0	0	0	0	0
2011	12	0	0	0	0	0
2011	12	0	0	0	0	0

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The ARIMA Procedure

Conditional Least Squares Estimation

Parameter	Estimate	Standard Error	t Value	Approx Pr >  t	Lag	Variable	Shift
MU	13.58528	3.40242	3.99	0.0001	0	USAGE	0
MA1,1	-0.32848	0.09103	-3.61	0.0005	1	USAGE	0
AR1,1	-0.59668	0.08860	-6.73	<.0001	12	USAGE	0
NUM1	1.09073	0.08983	12.14	<.0001	0	bcdd65	0
NUM2	1.32983	0.04768	27.89	<.0001	0	bhdd55	0
NUM3	35.08012	13.30300	2.64	0.0096	0	MET_DAYS	0

Constant Estimate 21.69132  
 Variance Estimate 1851.695  
 Std Error Estimate 43.03133  
 AIC 1228.527  
 SBC 1245.151  
 Number of Residuals 116

\* AIC and SBC do not include log determinant.

Correlations of Parameter Estimates

Variable Parameter	USAGE MU	USAGE MA1,1	USAGE AR1,1	bcdd65 NUM1	bhdd55 NUM2	MET_DAYS NUM3
USAGE MU	1.000	0.004	-0.017	0.010	-0.054	-0.014
USAGE MA1,1	0.004	1.000	0.014	-0.035	-0.129	0.131
USAGE AR1,1	-0.017	0.014	1.000	0.055	0.066	0.060
bcdd65 NUM1	0.010	-0.035	0.055	1.000	0.026	0.002
bhdd55 NUM2	-0.054	-0.129	0.066	0.026	1.000	0.066
MET_DAYS NUM3	-0.014	0.131	0.060	0.002	0.066	1.000

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Autocorrelation Check of Residuals

To Lag	Chi-Square	DF	Pr > ChiSq	-----Autocorrelations-----					
6	2.13	4	0.7114	0.003	-0.024	-0.062	0.108	-0.013	-0.033
12	7.11	10	0.7153	-0.033	0.005	0.089	0.141	0.067	-0.068
18	13.64	16	0.6255	0.144	0.013	0.050	-0.113	0.026	0.104
24	18.68	22	0.6650	-0.025	-0.121	0.131	0.030	0.030	0.018

Autocorrelation Plot of Residuals

Lag	Covariance	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	Std Error	
0	1851.695	1.00000													*****									0	
1	4.679034	0.00253												.		.									0.092057
2	-45.271429	-.02445												.		.									0.092058
3	-114.134	-.06164												.		*									0.092113
4	199.067	0.10751												.		**									0.092462
5	-23.600871	-.01275												.		.									0.093515
6	-60.537870	-.03269												.		*									0.093530
7	-60.507059	-.03268												.		*									0.093627
8	9.513782	0.00514												.		.									0.093723
9	164.283	0.08872												.		**									0.093726
10	260.564	0.14072												.		***									0.094435
11	124.019	0.06698												.		*									0.096195
12	-126.450	-.06829												.		*									0.096590
13	266.528	0.14394												.		***									0.096998
14	23.417286	0.01265												.		.									0.098791
15	91.804206	0.04958												.		*									0.098805
16	-208.695	-.11270												.		**									0.099016
17	48.887705	0.02640												.		*									0.100097
18	191.692	0.10352												.		**									0.100156
19	-47.021537	-.02539												.		*									0.101059
20	-224.346	-.12116												.		**									0.101113
21	242.829	0.13114												.		***									0.102336

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The ARIMA Procedure

Autocorrelation Plot of Residuals

Lag	Covariance	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	Std Error
22	56.004557	0.03025											.	*	.									0.103750
23	55.041825	0.02973											.	*	.									0.103825
24	33.687206	0.01819											.		.									0.103897

"," marks two standard errors

Inverse Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1
1	-0.04596										.	*	.									
2	-0.01616										.		.									
3	0.12109										.	**	.									
4	-0.09110										.	**	.									
5	0.02324										.		.									
6	0.03796										.	*	.									
7	-0.03849										.	*	.									
8	0.05311										.	*	.									
9	-0.07098										.	*	.									
10	-0.17870										.	****	.									
11	-0.02059										.		.									
12	0.04212										.	*	.									
13	-0.12972										.	***	.									
14	0.05180										.	*	.									
15	-0.06283										.	*	.									
16	0.03518										.	*	.									
17	0.03980										.	*	.									
18	-0.11778										.	**	.									
19	0.05375										.	*	.									
20	0.12444										.	**	.									
21	-0.13003										.	***	.									
22	0.01610										.		.									

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The ARIMA Procedure

Inverse Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1
23	0.00821										.		.									
24	-0.03442										.		*		.							

Partial Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1
1	0.00253										.		.									
2	-0.02446										.		.									
3	-0.06155										.		*		.							
4	0.10761										.		**		.							
5	-0.01696										.		.		.							
6	-0.03179										.		*		.							
7	-0.01982										.		.		.							
8	-0.00932										.		.		.							
9	0.08840										.		**		.							
10	0.14623										.		***		.							
11	0.07756										.		**		.							
12	-0.05550										.		*		.							
13	0.14955										.		***		.							
14	-0.00918										.		.		.							
15	0.04829										.		*		.							
16	-0.06923										.		*		.							
17	0.00882										.		.		.							
18	0.10927										.		**		.							
19	-0.06838										.		*		.							
20	-0.13061										.		***		.							
21	0.14163										.		***		.							
22	-0.01921										.		.		.							
23	-0.00770										.		.		.							
24	0.03952										.		*		.							

Residential

The ARIMA Procedure

Model for variable USAGE

Estimated Intercept	13.58528
Period(s) of Differencing	12

Autoregressive Factors

Factor 1:  $1 + 0.59668 B^{(12)}$

Moving Average Factors

Factor 1:  $1 + 0.32848 B^{(1)}$

Input Number 1

Input Variable	bodd65
Period(s) of Differencing	12
Overall Regression Factor	1.090732

Input Number 2

Input Variable	bhdd55
Period(s) of Differencing	12
Overall Regression Factor	1.329827

Input Number 3

Input Variable	MET_DAYS
Period(s) of Differencing	12
Overall Regression Factor	35.08012

Residential

The ARIMA Procedure

Forecasts for variable USAGE

Obs	Forecast	Std Error	95% Confidence Limits	
131	1161.5851	43.0313	1077.2452	1245.9250
132	1797.8858	45.2934	1709.1124	1886.6593
133	2233.0699	45.2934	2144.2965	2321.8434
134	2110.6906	45.2934	2021.9172	2199.4641
135	1709.9305	45.2934	1621.1571	1798.7040
136	1317.3189	45.2934	1228.5454	1406.0923
137	1025.5911	45.2934	936.8176	1114.3645
138	1122.5764	45.2934	1033.8029	1211.3498
139	1303.8809	45.2934	1215.1075	1392.6544
140	1364.6879	45.2934	1275.9144	1453.4613
141	1312.0632	45.2934	1223.2898	1400.8366
142	1018.6969	45.2934	929.9234	1107.4703
143	1159.3684	48.5047	1064.3010	1254.4359
144	1756.9305	48.8386	1661.2086	1852.6523
145	2251.5959	48.8386	2155.8741	2347.3177
146	2093.7172	48.8386	1997.9954	2189.4391
147	1742.3288	48.8386	1646.6069	1838.0506
148	1351.2026	48.8386	1255.4808	1446.9245
149	1037.6668	48.8386	941.9450	1133.3886
150	1125.7633	48.8386	1030.0415	1221.4851
151	1321.0950	48.8386	1225.3731	1416.8168
152	1378.0567	48.8386	1282.3348	1473.7785
153	1292.9122	48.8386	1197.1904	1388.6341
154	1028.5047	48.8386	932.7829	1124.2266
155	1184.8551	58.7614	1069.6848	1300.0254
156	1803.0590	59.7337	1685.9831	1920.1348
157	2262.2332	59.7337	2145.1573	2379.3090
158	2125.5362	59.7337	2008.4604	2242.6120
159	1744.6888	59.7337	1627.6129	1861.7646
160	1352.6763	59.7337	1235.6004	1469.7521



Commercial

The ARIMA Procedure

Conditional Least Squares Estimation

Parameter	Estimate	Standard Error	t Value	Approx Pr >  t	Lag	Variable	Shift
MU	-8.60810	3.03095	-2.84	0.0054	0	USAGE	0
MA1,1	0.50313	0.08612	5.84	<.0001	12	USAGE	0
AR1,1	-0.24127	0.09794	-2.46	0.0153	6	USAGE	0
AR2,1	-0.23967	0.09737	-2.46	0.0154	16	USAGE	0
NUM1	1.88451	0.16370	11.51	<.0001	0	bcdd65	0
NUM2	1.50540	0.09683	15.55	<.0001	0	bhdd55	0
NUM3	134.16556	28.01562	4.79	<.0001	0	MET_DAYS	0

Constant Estimate -13.2458  
 Variance Estimate 8036.037  
 Std Error Estimate 89.64395  
 AIC 1402.673  
 SBC 1422.068  
 Number of Residuals 118

\* AIC and SBC do not include log determinant.

Correlations of Parameter Estimates

Variable Parameter	USAGE MU	USAGE MA1,1	USAGE AR1,1	USAGE AR2,1	bcdd65 NUM1	bhdd55 NUM2	MET_DAYS NUM3
USAGE MU	1.000	-0.033	0.042	0.013	-0.002	-0.095	0.010
USAGE MA1,1	-0.033	1.000	-0.188	-0.027	-0.032	-0.057	-0.054
USAGE AR1,1	0.042	-0.188	1.000	0.081	-0.017	-0.020	0.156
USAGE AR2,1	0.013	-0.027	0.081	1.000	0.096	0.063	0.151
bcdd65 NUM1	-0.002	-0.032	-0.017	0.096	1.000	0.043	0.083
bhdd55 NUM2	-0.095	-0.057	-0.020	0.063	0.043	1.000	-0.000
MET_DAYS NUM3	0.010	-0.054	0.156	0.151	0.083	-0.000	1.000

Commercial

The ARIMA Procedure

Autocorrelation Check of Residuals

To Lag	Chi-Square	DF	Pr > ChiSq	-----Autocorrelations-----					
6	1.34	3	0.7190	0.029	0.052	0.069	0.025	0.044	0.001
12	6.31	9	0.7086	-0.030	-0.121	-0.134	-0.043	0.046	0.026
18	10.26	15	0.8029	-0.101	0.016	0.098	0.009	0.064	0.068
24	13.43	21	0.8926	0.008	0.064	-0.104	0.027	-0.033	-0.069

Autocorrelation Plot of Residuals

Lag	Covariance	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	Std Error	
0	8036.037	1.00000																						0	
1	236.796	0.02947																							0.092057
2	416.358	0.05181																							0.092137
3	553.580	0.06889																							0.092384
4	201.642	0.02509																							0.092818
5	357.003	0.04443																							0.092876
6	11.767406	0.00146																							0.093056
7	-241.651	-0.03007																							0.093056
8	-974.761	-0.12130																							0.093138
9	-1079.009	-0.13427																							0.094467
10	-346.656	-0.04314																							0.096071
11	369.394	0.04597																							0.096235
12	210.647	0.02621																							0.096421
13	-812.184	-0.10107																							0.096481
14	130.919	0.01629																							0.097374
15	783.597	0.09751																							0.097398
16	72.499624	0.00902																							0.098221
17	511.961	0.06371																							0.098228
18	545.166	0.06784																							0.098578
19	65.708028	0.00818																							0.098973
20	514.183	0.06398																							0.098979
21	-837.584	-0.10423																							0.099328

Commercial

The ARIMA Procedure

Autocorrelation Plot of Residuals

Lag	Covariance	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	Std Error
22	217.320	0.02704											.	*	.									0.100251
23	-267.667	-.03331											.	*	.									0.100313
24	-552.543	-.06876											.	*	.									0.100407

\*,\* marks two standard errors

Inverse Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	
1	0.01113											.		.									
2	-0.07397										.	*		.									
3	-0.08081									.	**		.										
4	-0.02089									.			.										
5	-0.03696									.	*		.										
6	-0.05696									.	*		.										
7	-0.00914									.			.										
8	0.13891									.		***	.										
9	0.11368									.		**	.										
10	-0.01026									.			.										
11	-0.09075									.	**		.										
12	-0.02692									.	*		.										
13	0.11931									.		**	.										
14	-0.00011									.			.										
15	-0.07239									.	*		.										
16	0.01409									.			.										
17	-0.01006									.			.										
18	-0.04866									.	*		.										
19	-0.02394									.			.										
20	-0.06626									.	*		.										
21	0.11714									.		**	.										
22	0.00244									.			.										

Commercial

The ARIMA Procedure

Inverse Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	
23	0.01735																						
24	0.01858																						

Partial Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	
1	0.02947												*										
2	0.05099												*										
3	0.06617												*										
4	0.01905																						
5	0.03686												*										
6	-0.00719																						
7	-0.03710												*										
8	-0.12674												***										
9	-0.13101												***										
10	-0.02719												*										
11	0.08012													**									
12	0.06016													*									
13	-0.08686													**									
14	0.01852																						
15	0.09990														**								
16	-0.01062																						
17	0.01602																						
18	0.03998														*								
19	0.00738																						
20	0.06752														*								
21	-0.13463												***										
22	-0.00547																						
23	-0.01944																						
24	-0.02048																						

Commercial

The ARIMA Procedure

Model for variable USAGE

Estimated Intercept	-8.6081
Period(s) of Differencing	12

Autoregressive Factors

Factor 1:	$1 + 0.24127 B^{**}(6)$
Factor 2:	$1 + 0.23967 B^{**}(16)$

Moving Average Factors

Factor 1:	$1 - 0.50313 B^{**}(12)$
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Input Number 1

Input Variable	bddd65
Period(s) of Differencing	12
Overall Regression Factor	1.88451

Input Number 2

Input Variable	bddd55
Period(s) of Differencing	12
Overall Regression Factor	1.505395

Input Number 3

Input Variable	MET_DAYS
Period(s) of Differencing	12
Overall Regression Factor	134.1656

Commercial

The ARIMA Procedure

Forecasts for variable USAGE

Obs	Forecast	Std Error	95% Confidence Limits	
131	3558.1010	89.6439	3382.4021	3733.7999
132	4160.7434	89.6439	3985.0445	4336.4423
133	4616.8918	89.6439	4441.1929	4792.5907
134	4333.8381	89.6439	4158.1392	4509.5371
135	3930.8272	89.6439	3755.1283	4106.5261
136	3736.9673	89.6439	3561.2684	3912.6662
137	3553.5668	92.2161	3372.8266	3734.3070
138	3888.6719	92.2161	3707.9317	4069.4121
139	4211.0604	92.2161	4030.3202	4391.8006
140	4224.1041	92.2161	4043.3639	4404.8443
141	4312.1901	92.2161	4131.4499	4492.9303
142	3770.2522	92.2161	3589.5120	3950.9924
143	3515.5030	104.7844	3310.1294	3720.8766
144	4121.5515	104.7844	3916.1778	4326.9251
145	4618.3138	104.7844	4412.9401	4823.6874
146	4323.6664	104.7844	4118.2928	4529.0401
147	3924.0745	106.9644	3714.4282	4133.7209
148	3725.0083	106.9644	3515.3619	3934.6547
149	3552.8856	107.6360	3341.9229	3763.8482
150	3885.9799	107.6360	3675.0173	4096.9426
151	4206.0672	107.6360	3995.1045	4417.0299
152	4216.0322	107.6360	4005.0695	4426.9949
153	4295.1308	107.7607	4083.9236	4506.3380
154	3755.1057	107.7607	3543.8986	3966.3129
155	3523.8840	117.7399	3293.1180	3754.6500
156	4125.2719	117.7399	3894.5059	4356.0379
157	4612.3615	117.7399	4381.5955	4843.1275
158	4322.6195	117.7399	4091.8535	4553.3854
159	3927.0710	118.3424	3695.1243	4159.0177
160	3724.3232	118.3424	3492.3764	3956.2699

Industrial

The ARIMA Procedure

Conditional Least Squares Estimation

Parameter	Estimate	Standard Error	t Value	Approx Pr >  t	Lag	Variable	Shift
MU	26309794	13324193	1.97	0.0509	0	KWH	0
AR1,1	0.28073	0.10267	2.73	0.0073	2	KWH	0
NUM1	-76815218	2586175.4	-29.70	<.0001	0	ind1	0
NUM2	166724967	3644242.5	45.75	<.0001	0	ind2	0
NUM3	88305605	3566070.1	24.76	<.0001	0	ind3	0
NUM4	-18833222	944990.0	-19.93	<.0001	0	ind4	0
NUM5	16167406	2509987.9	6.44	<.0001	0	ind5	0
NUM6	16326474	2521237.0	6.48	<.0001	0	ind6	0
NUM7	15941828	2600622.8	6.13	<.0001	0	ind7	0
NUM8	33914573	2575498.6	13.17	<.0001	0	ind8	0
NUM9	675338.8	438005.7	1.54	0.1261	0	MET_DAYS	0

Constant Estimate 18923760

Variance Estimate 1.355E13

Std Error Estimate 3681344

AIC 3913.357

SBC 3943.834

Number of Residuals 118

\* AIC and SBC do not include log determinant.

Industrial

The ARIMA Procedure

Correlations of Parameter Estimates

Variable Parameter		KWH MU	KWH AR1,1	ind1 NUM1	ind2 NUM2	ind3 NUM3	ind4 NUM4
KWH	MU	1.000	0.001	0.246	0.178	-0.039	-0.047
KWH	AR1,1	0.001	1.000	0.010	0.105	-0.036	0.118
ind1	NUM1	0.246	0.010	1.000	0.046	-0.009	-0.000
ind2	NUM2	0.178	0.105	0.046	1.000	-0.000	0.084
ind3	NUM3	-0.039	-0.036	-0.009	-0.000	1.000	0.071
ind4	NUM4	-0.047	0.118	-0.000	0.084	0.071	1.000
ind5	NUM5	-0.037	0.038	-0.009	-0.003	-0.000	0.005
ind6	NUM6	-0.107	-0.015	-0.027	-0.021	0.004	-0.001
ind7	NUM7	0.261	0.054	0.065	0.054	-0.011	0.005
ind8	NUM8	-0.110	0.202	-0.025	0.001	-0.004	0.025
MET_DAYS	NUM9	-0.998	-0.004	-0.246	-0.184	0.033	0.005

Correlations of Parameter Estimates

Variable Parameter		ind5 NUM5	ind6 NUM6	ind7 NUM7	ind8 NUM8	MET_DAYS NUM9
KWH	MU	-0.037	-0.107	0.261	-0.110	-0.998
KWH	AR1,1	0.038	-0.015	0.054	0.202	-0.004
ind1	NUM1	-0.009	-0.027	0.065	-0.025	-0.246
ind2	NUM2	-0.003	-0.021	0.054	0.001	-0.184
ind3	NUM3	-0.000	0.004	-0.011	-0.004	0.033
ind4	NUM4	0.005	-0.001	0.005	0.025	0.005
ind5	NUM5	1.000	0.003	-0.008	0.012	0.037
ind6	NUM6	0.003	1.000	-0.029	0.009	0.107
ind7	NUM7	-0.008	-0.029	1.000	-0.018	-0.261
ind8	NUM8	0.012	0.009	-0.018	1.000	0.109
MET_DAYS	NUM9	0.037	0.107	-0.261	0.109	1.000



Industrial

The ARIMA Procedure

Autocorrelation Check of Residuals

To Lag	Chi-Square	DF	Pr > ChiSq	-----Autocorrelations-----					
6	6.39	5	0.2704	0.126	-0.046	0.099	0.141	0.054	0.036
12	15.25	11	0.1714	-0.040	0.173	0.145	-0.036	0.000	0.119
18	18.91	17	0.3337	-0.029	0.047	-0.006	-0.063	-0.101	-0.094
24	23.02	23	0.4597	-0.080	0.078	-0.038	-0.084	0.013	0.083

Autocorrelation Plot of Residuals

Lag	Covariance	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	Std Error	
0	1.35523E13	1.00000												*****										0	
1	1.703E12	0.12566												***											0.092057
2	-6.2698E11	-.04626												*											0.093500
3	1.34578E12	0.09930												**											0.093694
4	1.91363E12	0.14120												***											0.094581
5	7.30879E11	0.05393												*											0.096351
6	4.8121E11	0.03551												*											0.096607
7	-5.371E11	-.03963												*											0.096717
8	2.34752E12	0.17322												***											0.096855
9	1.9608E12	0.14468												***											0.099446
10	-4.909E11	-.03622												*											0.101214
11	21529392	0.00000												.											0.101324
12	1.61949E12	0.11950												**											0.101324
13	-3.9708E11	-.02930												*											0.102511
14	6.37325E11	0.04703												*											0.102582
15	-7.4997E10	-.00553												.											0.102764
16	-8.5386E11	-.06300												*											0.102767
17	-1.3704E12	-.10112												**											0.103094
18	-1.276E12	-.09415												**											0.103931
19	-1.0863E12	-.08015												**											0.104651
20	1.05834E12	0.07809												**											0.105170
21	-5.1047E11	-.03767												*											0.105661

Industrial

The ARIMA Procedure

Autocorrelation Plot of Residuals

Lag	Covariance	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	Std Error
22	-1.1348E12	-.08373													. **									0.105774
23	1.77726E11	0.01311													.									0.106334
24	1.12703E12	0.08316													.		**	.						0.106348

\*,\* marks two standard errors

Inverse Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	
1	-0.07990													. **									
2	0.06733													.		*	.						
3	-0.06904													.		*	.						
4	-0.06557													.		*	.						
5	0.00241													.									
6	-0.02118													.									
7	0.01283													.									
8	-0.15498													.		***	.						
9	-0.12998													.		***	.						
10	0.00897													.									
11	0.01984													.									
12	-0.06616													.		*	.						
13	0.02651													.		*	.						
14	-0.09297													.		**	.						
15	0.02864													.		*	.						
16	0.08065													.		**	.						
17	0.11084													.		**	.						
18	0.06375													.		*	.						
19	0.05259													.		*	.						
20	-0.05778													.		*	.						
21	0.02294													.									
22	0.01739													.									

Industrial

The ARIMA Procedure

Inverse Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1
23	0.00299										.		.									
24	-0.07812										.	**		.								

Partial Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1
1	0.12566										.		***	.								
2	-0.06305										.		*	.								
3	0.11569										.		**	.								
4	0.11275										.		**	.								
5	0.03482										.		*	.								
6	0.03107										.		*	.								
7	-0.07064										.		*	.								
8	0.17576										.		****	.								
9	0.08296										.		**	.								
10	-0.04523										.		*	.								
11	0.00491										.		.	.								
12	0.06027										.		*	.								
13	-0.08115										.		**	.								
14	0.06502										.		*	.								
15	-0.03131										.		*	.								
16	-0.08034										.		**	.								
17	-0.14130										.		***	.								
18	-0.09824										.		**	.								
19	-0.04017										.		*	.								
20	0.08498										.		**	.								
21	-0.01772										.		.	.								
22	-0.02965										.		*	.								
23	0.01647										.		.	.								
24	0.08946										.		**	.								

Industrial

The ARIMA Procedure

Model for variable KWH

Estimated Intercept 26309794

Autoregressive Factors

Factor 1:  $1 - 0.28073 B^{(2)}$

Input Number 1

Input Variable ind1  
Overall Regression Factor -7.682E7

Input Number 2

Input Variable ind2  
Overall Regression Factor 1.6672E8

Input Number 3

Input Variable ind3  
Overall Regression Factor 88305605

Input Number 4

Input Variable ind4  
Overall Regression Factor -1.883E7

Industrial

The ARIMA Procedure

Input Number 5

Input Variable	ind5
Overall Regression Factor	16167406

Input Number 6

Input Variable	ind6
Overall Regression Factor	16326474

Input Number 7

Input Variable	ind7
Overall Regression Factor	15941828

Input Number 8

Input Variable	ind8
Overall Regression Factor	33914573

Input Number 9

Input Variable	MET_DAYS
Overall Regression Factor	675338.8

Industrial

The ARIMA Procedure

Forecasts for variable KWH

Obs	Forecast	Std Error	95% Confidence Limits	
119	29625635.1	3681344	22410333.4	36840936.8
120	32191768.8	3681344	24976467.1	39407070.5
121	29454613.5	3823659	21960380.1	36948846.8
122	28179459.1	3823659	20685225.7	35673692.4
123	27840488.4	3834650	20324712.2	35356264.6
124	28106034.2	3834650	20590258.0	35621810.4
125	27676436.6	3835515	20158965.2	35193908.0
126	28092983.4	3835515	20575512.0	35610454.8
127	28146044.6	3835583	20628439.6	35663649.6
128	27775560.1	3835583	20257955.1	35293165.1
129	28028210.3	3835589	20510594.8	35545825.8
130	27763928.8	3835589	20246313.3	35281544.3
131	27859716.3	3835589	20342099.9	35377332.6
132	29036893.8	3835589	21519277.4	36554510.1
133	28907438.2	3835589	21389821.8	36425054.6
134	27293780.7	3835589	19776164.3	34811397.2
135	27686878.1	3835589	20169261.7	35204494.5
136	27857394.9	3835589	20339778.5	35375011.3
137	27633313.1	3835589	20115696.6	35150929.5
138	28023182.1	3835589	20505565.7	35540798.5
139	28133938.4	3835589	20616322.0	35651554.8
140	27755964.5	3835589	20238348.1	35273581.0
141	28024811.7	3835589	20507195.3	35542428.1
142	27758427.7	3835589	20240811.3	35276044.1
143	27858762.2	3835589	20341145.7	35376378.6
144	29035349.4	3835589	21517733.0	36552965.8
145	28907170.4	3835589	21389554.0	36424786.8
146	27293347.2	3835589	19775730.8	34810963.6
147	27686802.9	3835589	20169186.5	35204419.3
148	27857273.2	3835589	20339656.7	35374889.6

Industrial Mine Power

The ARIMA Procedure

Conditional Least Squares Estimation

Parameter	Estimate	Standard Error	t Value	Approx Pr >  t	Lag	Variable	Shift
MU	-319500.3	559822.2	-0.57	0.5697	0	KWH	0
MA1,1	-0.41194	0.10363	-3.97	0.0002	3	KWH	0
MA2,1	0.49670	0.09798	5.07	<.0001	12	KWH	0
AR1,1	0.22174	0.10723	2.07	0.0417	1	KWH	0
AR1,2	0.28670	0.10714	2.68	0.0089	2	KWH	0
NUM1	6041805.3	2615988.9	2.31	0.0233	0	min1	0
NUM2	-11587565	2649491.3	-4.37	<.0001	0	min2	0
NUM3	9356672.2	2641910.8	3.54	0.0006	0	im1	0
NUM4	-321518.9	909061.3	-0.35	0.7245	0	MET_DAYS	0

Constant Estimate -157055  
 Variance Estimate 1.182E13  
 Std Error Estimate 3437996  
 AIC 3104.775  
 SBC 3127.665  
 Number of Residuals 94

\* AIC and SBC do not include log determinant.

Industrial Mine Power

The ARIMA Procedure

Correlations of Parameter Estimates

Variable Parameter		KWH MU	KWH MA1,1	KWH MA2,1	KWH AR1,1	KWH AR1,2	min1 NUM1	min2 NUM2	im1 NUM3	MET_DAYS NUM4
KWH	MU	1.000	-0.025	-0.002	0.039	0.079	-0.030	0.009	0.003	0.009
KWH	MA1,1	-0.025	1.000	-0.088	0.154	0.058	-0.044	-0.011	-0.166	-0.113
KWH	MA2,1	-0.002	-0.088	1.000	0.007	-0.080	0.127	0.137	0.042	0.056
KWH	AR1,1	0.039	0.154	0.007	1.000	-0.316	0.050	0.154	-0.065	0.053
KWH	AR1,2	0.079	0.058	-0.080	-0.316	1.000	-0.122	-0.161	0.060	-0.009
min1	NUM1	-0.030	-0.044	0.127	0.050	-0.122	1.000	-0.043	0.001	0.012
min2	NUM2	0.009	-0.011	0.137	0.154	-0.161	-0.043	1.000	0.008	0.031
im1	NUM3	0.003	-0.166	0.042	-0.065	0.060	0.001	0.008	1.000	-0.049
MET_DAYS	NUM4	0.009	-0.113	0.056	0.053	-0.009	0.012	0.031	-0.049	1.000

Autocorrelation Check of Residuals

To Lag	Chi- Square	DF	Pr > ChiSq	-----Autocorrelations-----					
6	3.64	2	0.1620	-0.005	-0.042	-0.048	0.120	0.115	-0.065
12	6.62	8	0.5783	0.003	0.024	0.157	-0.040	-0.035	0.010
18	11.40	14	0.6544	0.086	-0.021	-0.174	0.004	-0.061	0.005
24	13.50	20	0.8551	0.010	-0.014	0.010	-0.113	-0.046	-0.036

Autocorrelation Plot of Residuals

Lag	Covariance	Correlation	-1 9 8 7 6 5 4 3 2 1 0 1 2 3 4 5 6 7 8 9 1																	Std Error			
0	1.18198E13	1.00000		*****																	0		
1	-5.7371E10	-.00485		.		.																0.103142	
2	-5.015E11	-.04243		.	*		.																0.103145
3	-5.6235E11	-.04758		.	*		.																0.103330
4	1.4217E12	0.12028		.	**	.																0.103563	
5	1.36324E12	0.11534		.	**	.																0.105038	



Industrial Mine Power

The ARIMA Procedure

Autocorrelation Plot of Residuals

Lag	Covariance	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	Std Error
6	-7.726E11	-.06537																						0.106377
7	4.04095E10	0.00342																						0.106804
8	2.82124E11	0.02387																						0.106805
9	1.85104E12	0.15660																						0.106862
10	-4.7102E11	-.03985																						0.109276
11	-4.1119E11	-.03479																						0.109430
12	1.17603E11	0.00995																						0.109548
13	1.02079E12	0.08636																						0.109557
14	-2.5205E11	-.02132																						0.110279
15	-2.0576E12	-.17408																						0.110323
16	5.14586E10	0.00435																						0.113208
17	-7.1756E11	-.06071																						0.113209
18	6.0192E10	0.00509																						0.113555
19	1.19083E11	0.01007																						0.113558
20	-1.6537E11	-.01399																						0.113567
21	1.18143E11	0.01000																						0.113586
22	-1.3378E12	-.11318																						0.113595
23	-5.4515E11	-.04612																						0.114788
24	-4.3069E11	-.03644																						0.114985

\*.\* marks two standard errors

Inverse Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1		
1	0.02796																							
2	0.01095																							
3	0.03027																							
4	-0.08441																							
5	-0.07753																							
6	0.01111																							

Industrial Mine Power

The ARIMA Procedure

Inverse Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	
7	0.00327										.		.										
8	-0.00392										.		.										
9	-0.12161										.	**	.										
10	-0.00571										.		.										
11	-0.00447										.		.										
12	-0.00493										.		.										
13	-0.08737										.	**	.										
14	0.04374										.		*	.									
15	0.14976										.		***	.									
16	0.00639										.		.	.									
17	0.06986										.		*	.									
18	0.00318										.		.	.									
19	-0.05898										.		*	.									
20	-0.00378										.		.	.									
21	-0.00150										.		.	.									
22	0.10209										.		**	.									
23	0.03924										.		*	.									
24	0.00384										.		.	.									

Partial Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	
1	-0.00485										.		.										
2	-0.04245										.	*	.										
3	-0.04809										.	*	.										
4	0.11839										.		**	.									
5	0.11435										.		**	.									
6	-0.05802										.	*	.										
7	0.02211										.		.	.									
8	0.01713										.		.	.									
9	0.12927										.		.	***	.								

Industrial Mine Power

The ARIMA Procedure

Partial Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	
10	-0.03549										.	*											
11	-0.01515										.												
12	0.00954										.												
13	0.05068										.		*										
14	-0.04530										.	*											
15	-0.15018										.	***											
16	0.00061										.												
17	-0.10031										.	**											
18	-0.03743										.	*											
19	0.06487										.		*										
20	0.01248										.												
21	0.00742										.												
22	-0.11086										.	**											
23	-0.04303										.	*											
24	-0.00423										.												

Model for variable KWH

Estimated Intercept                   -319500  
 Period(s) of Differencing            12

Autoregressive Factors

Factor 1: 1 - 0.22174 B\*\*(1) - 0.2867 B\*\*(2)

Moving Average Factors

Factor 1: 1 + 0.41194 B\*\*(3)  
 Factor 2: 1 - 0.4967 B\*\*(12)

Industrial Mine Power

The ARIMA Procedure

Input Number 1

Input Variable	min1
Period(s) of Differencing	12
Overall Regression Factor	6041805

Input Number 2

Input Variable	min2
Period(s) of Differencing	12
Overall Regression Factor	-1.159E7

Input Number 3

Input Variable	im1
Period(s) of Differencing	12
Overall Regression Factor	9356672

Input Number 4

Input Variable	MET_DAYS
Period(s) of Differencing	12
Overall Regression Factor	-.321519

Industrial Mine Power

The ARIMA Procedure

Forecasts for variable KWH

Obs	Forecast	Std Error	95% Confidence Limits	
107	76309377.9	3437996	69571029.3	83047726.6
108	81434604.9	3521502	74532588.1	88336621.8
109	84169797.4	3705984	76906202.1	91433392.8
110	84251973.8	4160485	76097573.2	92406374.3
111	80817714.0	4227603	72531765.2	89103662.7
112	76819129.3	4286556	68417633.3	85220625.4
113	71822538.8	4302686	63389428.9	80255648.7
114	70712339.8	4312158	62260665.6	79164014.0
115	64024723.7	4315510	55566480.1	72482967.3
116	68188197.8	4317167	59726706.4	76649689.2
117	70484807.8	4317823	62022030.3	78947585.3
118	70376155.9	4318124	61912788.6	78839523.3
119	75534796.3	4664243	66393048.4	84676544.1
120	81112915.5	4681844	71936669.4	90289161.6
121	83653112.6	4719558	74402949.8	92903275.5
122	83888122.4	4816426	74448100.6	93328144.1
123	80431847.0	4831696	70961897.0	89901797.1
124	76472197.6	4845138	66975902.1	85968493.2
125	71477928.8	4848862	61974333.3	80981524.3
126	70379407.2	4851046	60871532.0	79887282.3
127	63695046.0	4851821	54185650.8	73204441.2
128	67862589.8	4852204	58352444.1	77372735.5
129	70161035.3	4852356	60650592.0	79671478.7
130	70053957.3	4852426	60543377.5	79564537.0
131	75213472.8	5157366	65105221.0	85321724.6
132	80792237.3	5172459	70654403.7	90930071.0
133	83332828.5	5205824	73129601.1	93536055.8
134	83568110.6	5292963	73194093.6	93942127.5
135	80112008.6	5306643	69711178.9	90512838.3
136	76152475.7	5318750	65727917.9	86577033.5

Other Retail

The ARIMA Procedure

Conditional Least Squares Estimation

Parameter	Estimate	Standard Error	t Value	Approx Pr >  t	Lag	Variable	Shift
MU	8384.5	4241.2	1.98	0.0506	0	KWH	0
MA1,1	0.79110	0.07172	11.03	<.0001	12	KWH	0
AR1,1	0.27329	0.10591	2.58	0.0112	1	KWH	0
AR2,1	0.39677	0.09820	4.04	0.0001	5	KWH	0
AR2,2	0.37396	0.09730	3.84	0.0002	11	KWH	0
NUM1	-98810.1	17533.4	-5.64	<.0001	0	or1	0
NUM2	115433.2	18359.5	6.29	<.0001	0	or2	0
NUM3	350792.0	17803.4	19.70	<.0001	0	or3	0
NUM4	80388.0	18771.7	4.28	<.0001	0	or4	0
NUM5	119366.5	21168.3	5.64	<.0001	0	or5	0
NUM6	16108.9	11376.8	1.42	0.1597	0	MET_DAYS	0

Constant Estimate 1396.935  
 Variance Estimate 8.9191E8  
 Std Error Estimate 29864.92  
 AIC 2777.17  
 SBC 2807.648  
 Number of Residuals 118

\* AIC and SBC do not include log determinant.

Other Retail

The ARIMA Procedure

Correlations of Parameter Estimates

Variable Parameter		KWH MU	KWH MA1,1	KWH AR1,1	KWH AR2,1	KWH AR2,2	or1 NUM1
KWH	MU	1.000	0.074	-0.065	-0.062	-0.019	-0.363
KWH	MA1,1	0.074	1.000	0.018	0.075	0.082	-0.083
KWH	AR1,1	-0.065	0.018	1.000	0.104	0.060	0.244
KWH	AR2,1	-0.062	0.075	0.104	1.000	-0.171	0.305
KWH	AR2,2	-0.019	0.082	0.060	-0.171	1.000	0.203
or1	NUM1	-0.363	-0.083	0.244	0.305	0.203	1.000
or2	NUM2	-0.053	0.088	0.254	-0.018	0.032	0.138
or3	NUM3	0.030	-0.007	-0.357	-0.034	-0.132	-0.125
or4	NUM4	-0.033	-0.124	0.117	0.238	-0.122	0.094
or5	NUM5	-0.038	-0.091	0.080	0.206	0.103	0.132
MET_DAYS	NUM6	0.010	-0.005	-0.028	0.224	-0.130	0.035

Correlations of Parameter Estimates

Variable Parameter		or2 NUM2	or3 NUM3	or4 NUM4	or5 NUM5	MET_DAYS NUM6
KWH	MU	-0.053	0.030	-0.033	-0.038	0.010
KWH	MA1,1	0.088	-0.007	-0.124	-0.091	-0.005
KWH	AR1,1	0.254	-0.357	0.117	0.080	-0.028
KWH	AR2,1	-0.018	-0.034	0.238	0.206	0.224
KWH	AR2,2	0.032	-0.132	-0.122	0.103	-0.130
or1	NUM1	0.138	-0.125	0.094	0.132	0.035
or2	NUM2	1.000	-0.193	-0.084	0.060	-0.020
or3	NUM3	-0.193	1.000	-0.012	-0.146	-0.048
or4	NUM4	-0.084	-0.012	1.000	0.037	0.366
or5	NUM5	0.060	-0.146	0.037	1.000	0.384
MET_DAYS	NUM6	-0.020	-0.048	0.366	0.384	1.000

Other Retail

The ARIMA Procedure

Autocorrelation Check of Residuals

To Lag	Chi-Square	DF	Pr > ChiSq	-----Autocorrelations-----					
6	1.67	2	0.4348	0.012	-0.049	0.023	-0.052	0.048	0.072
12	7.49	8	0.4847	0.071	0.160	0.004	-0.004	0.119	0.003
18	17.24	14	0.2435	-0.069	0.110	0.035	-0.142	0.150	0.096
24	17.69	20	0.6078	0.013	0.015	-0.021	-0.022	-0.005	-0.041

Autocorrelation Plot of Residuals

Lag	Covariance	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	Std Error	
0	891913542	1.00000																						0	
1	11137206	0.01249																							0.092057
2	-44025236	-0.04936								*															0.092072
3	20591748	0.02309																							0.092296
4	-46699938	-0.05236								*															0.092345
5	42646238	0.04781								*															0.092596
6	64277199	0.07207								*															0.092805
7	63270371	0.07094								*															0.093278
8	142846766	0.16016								***															0.093734
9	3269049	0.00367																							0.096025
10	-3138268	-0.00352																							0.096026
11	106227844	0.11910								**															0.096027
12	2237368	0.00251																							0.097271
13	-61635380	-0.06910								*															0.097272
14	98434334	0.11036								**															0.097687
15	31191869	0.03497								*															0.098738
16	-127065968	-0.14246								***															0.098843
17	134126253	0.15038								***															0.100568
18	85252081	0.09558								**															0.102456
19	12040000	0.01350																							0.103209
20	13373229	0.01499																							0.103224
21	-18749544	-0.02102								*															0.103242



Other Retail

The ARIMA Procedure

Autocorrelation Plot of Residuals

Lag	Covariance	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	Std Error
22	-19650248	-.02203										.		.										0.103279
23	-4735622	-.00531										.		.										0.103318
24	-36244978	-.04064									.	*		.										0.103321

\*,\* marks two standard errors

Inverse Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	
1	-0.02536										.	*		.									
2	-0.01021										.		.										
3	0.11000										.		**	.									
4	0.03562										.		*	.									
5	-0.14541										.		***	.									
6	0.01157										.		.										
7	-0.03532										.		*	.									
8	-0.21537										.		****	.									
9	0.03225										.		*	.									
10	0.02411										.		.										
11	-0.12294										.		**	.									
12	0.02180										.		.										
13	0.08799										.		**	.									
14	-0.09667										.		**	.									
15	-0.03828										.		*	.									
16	0.15382										.		****	.									
17	-0.13058										.		***	.									
18	-0.07222										.		*	.									
19	0.02300										.		.										
20	0.00132										.		.										
21	-0.02496										.		.										
22	0.05973										.		*	.									

Other Retail

The ARIMA Procedure

Inverse Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	
23	0.01836										.		.										
24	-0.00071										.		.										

Partial Autocorrelations

Lag	Correlation	-1	9	8	7	6	5	4	3	2	1	0	1	2	3	4	5	6	7	8	9	1	
1	0.01249										.		.										
2	-0.04952										.	*	.										
3	0.02442										.	.	.										
4	-0.05563										.	*	.										
5	0.05212										.	.	*	.									
6	0.06486										.	.	*	*	.								
7	0.07756										.	.	*	*	*	.							
8	0.16304										.	.	*	*	*	*	.						
9	0.01252										.	.	.	.	.								
10	0.01718										.	.	.	.	.								
11	0.11863										.	.	*	*	.								
12	0.00842										.	.	.	.	.								
13	-0.08390										.	*	*	.	.								
14	0.08417										.	.	*	*	*	.							
15	0.01303										.	.	.	.	.								
16	-0.18243										.	*	*	*	*	.							
17	0.13848										.	*	*	*	*	*	.						
18	0.08330										.	.	*	*	*	.							
19	-0.01982										.	.	.	.	.								
20	0.00499										.	.	.	.	.								
21	0.02753										.	.	*	*	.								
22	-0.06970										.	.	*	*	.								
23	-0.02116										.	.	.	.	.								
24	0.00081										.	.	.	.	.								

Other Retail

The ARIMA Procedure

Model for variable KWH

Estimated Intercept            8384.464  
Period(s) of Differencing        12

Autoregressive Factors

Factor 1: 1 - 0.27329 B\*\*(1)  
Factor 2: 1 - 0.39677 B\*\*(5) - 0.37396 B\*\*(11)

Moving Average Factors

Factor 1: 1 - 0.7911 B\*\*(12)

Input Number 1

Input Variable                    or1  
Period(s) of Differencing        12  
Overall Regression Factor        -98810.1

Input Number 2

Input Variable                    or2  
Period(s) of Differencing        12  
Overall Regression Factor        115433.2

Input Number 3

Input Variable                    or3  
Period(s) of Differencing        12  
Overall Regression Factor        350792

Other Retail

The ARIMA Procedure

Input Number 4

Input Variable or4  
Period(s) of Differencing 12  
Overall Regression Factor 80388.05

Input Number 5

Input Variable or5  
Period(s) of Differencing 12  
Overall Regression Factor 119356.5

Input Number 6

Input Variable MET\_DAYS  
Period(s) of Differencing 12  
Overall Regression Factor 16108.9

Forecasts for variable KWH

Obs	Forecast	Std Error	95% Confidence Limits	
131	931284.1	29864.92	872749.9	989818.3
132	1106700.5	30960.07	1046019.9	1167381.1
133	1099453.4	31040.31	1038615.5	1160291.2
134	927459.5	31046.29	866609.9	988309.1
135	892441.1	31046.74	831590.6	953291.6
136	750917.2	33247.45	685753.3	816081.0
137	684943.5	33406.00	619469.0	750418.1
138	674058.7	33417.81	608561.0	739556.4
139	682245.7	33418.69	626746.3	757745.1
140	775500.4	33418.75	710000.9	841000.0
141	822909.4	33750.39	756759.9	889059.0
142	906250.5	35976.32	835738.2	976762.8

Other Retail

The ARIMA Procedure

Forecasts for variable KWH

Obs	Forecast	Std Error	95% Confidence Limits	Limits
143	1022567.8	37246.39	949566.3	1095569.4
144	1092921.7	37339.51	1019737.6	1166105.8
145	1097718.5	37346.46	1024520.8	1170916.2
146	912145.1	37403.35	838835.9	985454.3
147	883706.0	38572.84	808104.7	959307.4
148	800398.2	38902.20	724151.3	876645.1
149	717486.4	38926.69	641191.5	793781.3
150	656917.7	38928.52	580619.2	733216.2
151	684971.8	38937.65	608655.4	761288.2
152	761199.3	39324.88	684124.0	838274.7
153	855263.3	39885.40	777089.4	933437.2
154	952685.9	40101.14	874089.2	1031282.7
155	1012536.2	40773.51	932621.6	1092450.8
156	1091309.1	40838.83	1011266.4	1171351.7
157	1088239.4	40981.90	1007916.4	1168562.5
158	923637.9	41462.73	842372.4	1004903.3
159	922556.7	41616.32	840990.2	1004123.1
160	810510.0	41759.21	728663.5	892356.6

## SHORT-TERM LARGE INDUSTRIAL

CONFIDENTIAL

SEE CONFIDENTIAL APPENDIX

## SHORT-TERM MUNICIPALS



Kentucky Power Company  
Wholesale Models

bcdd65-Cooling degree days base 65  
bhdd55-Heating degree days base 55

olv1, olv2, vnc1, vnc2  
Binary Variables