

Global optimal solution found.

Objective value:	551595.0
Objective bound:	551595.0
Infeasibilities:	0.000000
Extended solver steps:	0
Total solver iterations:	190
Elapsed runtime seconds:	0.31

Model Class:	PILP
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Total variables:	984
Nonlinear variables:	0
Integer variables:	984

Total constraints:	1052
Nonlinear constraints:	0

Total nonzeros:	3950
Nonlinear nonzeros:	0

Variable	Value	Reduced Cost
Y11	0.000000	172185.0
Y21	0.000000	196787.5
Y31	0.000000	57214.50
Y41	0.000000	121580.5
Y51	0.000000	206454.5
Y61	0.000000	193276.5
Y71	0.000000	110286.5
Y81	0.000000	114067.0
Y91	0.000000	130953.0
Y101	0.000000	42730.00
Y111	0.000000	63496.00
Y121	0.000000	51797.50
Y131	0.000000	179243.5
Y141	0.000000	92105.00
Y151	0.000000	112507.5
Y161	0.000000	15305.50
Y171	0.000000	87898.00
Y181	0.000000	27522.00
Y191	0.000000	69289.50
Y201	0.000000	42726.50
Y211	0.000000	134008.0
Y221	0.000000	195935.0
Y231	0.000000	174947.0
Y241	0.000000	61038.00
Y251	0.000000	84162.00
Y261	0.000000	0.000000
Y271	0.000000	205786.5
Y281	0.000000	195358.0
Y291	0.000000	86758.50
Y301	0.000000	87993.00
Y311	0.000000	134913.0
Y321	0.000000	60016.50
Y331	0.000000	110287.0
Y341	0.000000	114067.0
Y351	0.000000	206454.5
Y361	0.000000	193276.5
Y371	0.000000	196787.5
Y381	0.000000	57214.50
Y391	0.000000	121580.5
Y401	0.000000	205077.0
Y411	0.000000	78475.50
Y421	0.000000	51797.50
Y431	0.000000	179243.5
Y441	0.000000	92105.00
Y451	0.000000	112507.5

Y461	0.000000	15305.50
Y471	0.000000	87898.00
Y481	0.000000	27522.00
Y491	0.000000	69289.50
Y501	0.000000	42726.50
Y12	1.000000	28713.50
Y22	1.000000	0.000000
Y32	0.000000	140198.5
Y42	0.000000	98577.00
Y52	0.000000	27956.00
Y62	0.000000	77265.50
Y72	0.000000	99599.50
Y82	0.000000	110313.0
Y92	0.000000	66776.00
Y102	0.000000	170189.0
Y112	0.000000	327728.0
Y122	0.000000	145307.5
Y132	1.000000	18380.50
Y142	0.000000	105407.0
Y152	0.000000	97162.00
Y162	0.000000	208480.5
Y172	0.000000	187938.5
Y182	0.000000	174719.0
Y192	0.000000	144737.5
Y202	0.000000	170188.5
Y212	0.000000	342660.0
Y222	0.000000	16062.50
Y232	0.000000	75726.00
Y242	0.000000	142955.0
Y252	0.000000	142527.5
Y262	0.000000	196787.5
Y272	0.000000	27633.50
Y282	1.000000	8970.500
Y292	0.000000	118795.0
Y302	0.000000	108976.0
Y312	0.000000	190215.5
Y322	0.000000	155516.5
Y332	0.000000	99600.00
Y342	0.000000	110313.0
Y352	0.000000	27956.00
Y362	0.000000	77265.50
Y372	1.000000	0.000000
Y382	0.000000	140198.5
Y392	0.000000	98577.00
Y402	0.000000	24550.00
Y412	0.000000	268167.5
Y422	0.000000	145307.5
Y432	1.000000	18380.50
Y442	0.000000	105407.0
Y452	0.000000	97162.00
Y462	0.000000	208480.5
Y472	0.000000	187938.5
Y482	0.000000	174719.0
Y492	0.000000	144737.5
Y502	0.000000	170188.5
Y13	0.000000	116817.0
Y23	0.000000	140198.5
Y33	1.000000	0.000000
Y43	0.000000	78818.50
Y53	0.000000	149245.5
Y63	0.000000	139443.0
Y73	0.000000	64748.00
Y83	0.000000	75790.50
Y93	0.000000	73885.00
Y103	0.000000	47274.00
Y113	0.000000	206888.5
Y123	1.000000	13263.00
Y133	0.000000	122403.5

Y143	0.000000	34969.50
Y153	0.000000	66333.00
Y163	0.000000	68282.00
Y173	0.000000	95865.50
Y183	0.000000	35059.00
Y193	0.000000	46607.00
Y203	0.000000	47270.50
Y213	0.000000	254128.5
Y223	0.000000	138782.5
Y233	0.000000	121091.0
Y243	0.000000	31986.00
Y253	0.000000	62200.00
Y263	0.000000	57214.50
Y273	0.000000	148577.0
Y283	0.000000	139333.5
Y293	0.000000	44539.00
Y303	0.000000	33180.50
Y313	0.000000	79704.50
Y323	0.000000	47375.50
Y333	0.000000	64749.50
Y343	0.000000	75790.50
Y353	0.000000	149245.5
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Y373	0.000000	140198.5
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Y393	0.000000	78818.50
Y403	0.000000	147863.0
Y413	0.000000	153667.5
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Y433	0.000000	122403.5
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Y473	0.000000	95865.50
Y483	0.000000	35059.00
Y493	0.000000	46607.00
Y503	0.000000	47270.50
Y14	0.000000	81608.50
Y24	0.000000	110313.0
Y34	0.000000	75790.50
Y44	0.000000	11767.50
Y54	0.000000	132152.5
Y64	0.000000	152025.0
Y74	0.000000	18089.00
Y84	0.000000	0.000000
Y94	0.000000	70682.00
Y104	0.000000	74493.00
Y114	0.000000	218446.5
Y124	0.000000	69670.00
Y134	0.000000	98636.00
Y144	0.000000	63955.50
Y154	0.000000	19081.50
Y164	0.000000	129066.5
Y174	0.000000	77839.50
Y184	0.000000	104714.5
Y194	0.000000	45600.50
Y204	0.000000	74494.50
Y214	0.000000	211345.0
Y224	0.000000	118013.5
Y234	0.000000	137094.5
Y244	0.000000	53547.50
Y254	0.000000	35586.00
Y264	0.000000	114067.0
Y274	0.000000	131548.0
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Y304	0.000000	52050.00
Y314	0.000000	66828.00

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Y334	0.000000	18086.50
Y344	0.000000	0.000000
Y354	0.000000	132152.5
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Y374	0.000000	110313.0
Y384	0.000000	75790.50
Y394	0.000000	11767.50
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Y434	0.000000	98636.00
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Y454	0.000000	19081.50
Y464	0.000000	129066.5
Y474	0.000000	77839.50
Y484	0.000000	104714.5
Y494	0.000000	45600.50
Y504	0.000000	74494.50
Y15	0.000000	71176.50
Y25	0.000000	99599.50
Y35	0.000000	64748.00
Y45	1.000000	14655.00
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Y65	0.000000	135166.5
Y75	1.000000	0.000000
Y85	1.000000	18089.00
Y95	0.000000	53315.50
Y105	0.000000	74698.50
Y115	0.000000	115720.5
Y125	0.000000	61444.50
Y135	0.000000	86021.00
Y145	0.000000	47255.50
Y155	1.000000	2498.500
Y165	0.000000	124655.0
Y175	0.000000	89332.00
Y185	0.000000	96830.50
Y195	0.000000	46689.00
Y205	0.000000	74699.00
Y215	0.000000	91323.50
Y225	0.000000	105404.0
Y235	0.000000	119771.0
Y245	0.000000	49584.50
Y255	0.000000	42978.50
Y265	0.000000	110286.5
Y275	0.000000	118531.0
Y285	0.000000	95078.50
Y295	1.000000	23533.50
Y305	0.000000	36541.50
Y315	0.000000	171991.5
Y325	0.000000	57904.50
Y335	1.000000	2.500000
Y345	1.000000	18089.00
Y355	0.000000	119162.5
Y365	0.000000	135166.5
Y375	0.000000	99599.50
Y385	0.000000	64748.00
Y395	1.000000	14655.00
Y405	0.000000	116571.0
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Y455	1.000000	2498.500
Y465	0.000000	124655.0
Y475	0.000000	89332.00
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Y495	0.000000	46689.00

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Y26	0.000000	27956.00
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Y46	0.000000	120686.5
Y56	1.000000	0.000000
Y66	0.000000	54660.50
Y76	0.000000	119162.5
Y86	0.000000	132152.5
Y96	0.000000	76225.00
Y106	0.000000	184825.5
Y116	0.000000	278975.5
Y126	0.000000	156497.5
Y136	0.000000	33533.00
Y146	0.000000	114506.0
Y156	0.000000	116871.0
Y166	0.000000	216683.5
Y176	0.000000	208488.0
Y186	0.000000	182188.5
Y196	0.000000	161658.0
Y206	0.000000	184824.0
Y216	0.000000	296120.5
Y226	1.000000	14387.50
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Y306	0.000000	120993.0
Y316	0.000000	192550.5
Y326	0.000000	171844.5
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Y426	0.000000	156497.5
Y436	0.000000	33533.00
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Y456	0.000000	116871.0
Y466	0.000000	216683.5
Y476	0.000000	208488.0
Y486	0.000000	182188.5
Y496	0.000000	161658.0
Y506	0.000000	184824.0
Y17	0.000000	89679.00
Y27	0.000000	77265.50
Y37	0.000000	139443.0
Y47	0.000000	142389.0
Y57	0.000000	54660.50
Y67	1.000000	0.000000
Y77	0.000000	135166.5
Y87	0.000000	152025.0
Y97	0.000000	82037.00
Y107	0.000000	183538.0
Y117	0.000000	255528.5
Y127	0.000000	150287.5
Y137	0.000000	70131.00
Y147	0.000000	109731.5
Y157	0.000000	133495.5
Y167	0.000000	200003.5
Y177	0.000000	219805.0

Y187	0.000000	166256.0
Y197	0.000000	167266.5
Y207	0.000000	183535.5
Y217	0.000000	294430.0
Y227	0.000000	61373.50
Y237	1.000000	18380.50
Y247	0.000000	158558.0
Y257	0.000000	173084.0
Y267	0.000000	193276.5
Y277	0.000000	54496.00
Y287	0.000000	85602.50
Y297	0.000000	143315.5
Y307	0.000000	120927.5
Y317	0.000000	224859.5
Y327	0.000000	175284.0
Y337	0.000000	135168.0
Y347	0.000000	152025.0
Y357	0.000000	54660.50
Y367	1.000000	0.000000
Y377	0.000000	77265.50
Y387	0.000000	139443.0
Y397	0.000000	142389.0
Y407	0.000000	57134.00
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Y427	0.000000	150287.5
Y437	0.000000	70131.00
Y447	0.000000	109731.5
Y457	0.000000	133495.5
Y467	0.000000	200003.5
Y477	0.000000	219805.0
Y487	0.000000	166256.0
Y497	0.000000	167266.5
Y507	0.000000	183535.5
Y18	0.000000	0.000000
Y28	0.000000	28713.50
Y38	0.000000	116817.0
Y48	0.000000	69881.00
Y58	0.000000	52541.00
Y68	0.000000	89679.00
Y78	0.000000	71176.50
Y88	0.000000	81608.50
Y98	0.000000	47117.00
Y108	0.000000	143128.0
Y118	0.000000	343815.0
Y128	0.000000	120392.0
Y138	0.000000	20608.00
Y148	0.000000	83048.00
Y158	0.000000	68715.50
Y168	0.000000	184685.5
Y178	0.000000	159232.0
Y188	0.000000	151826.0
Y198	0.000000	116892.5
Y208	0.000000	143128.0
Y218	0.000000	352599.0
Y228	0.000000	38170.50
Y238	0.000000	82125.00
Y248	0.000000	116110.5
Y258	0.000000	114001.5
Y268	0.000000	172185.0
Y278	0.000000	52015.50
Y288	0.000000	24043.00
Y298	0.000000	91224.00
Y308	0.000000	84302.00
Y318	0.000000	184382.5
Y328	0.000000	127833.5
Y338	0.000000	71177.00
Y348	0.000000	81608.50
Y358	0.000000	52541.00

Y368	0.000000	89679.00
Y378	0.000000	28713.50
Y388	0.000000	116817.0
Y398	0.000000	69881.00
Y408	0.000000	49388.00
Y418	0.000000	295438.0
Y428	0.000000	120392.0
Y438	0.000000	20608.00
Y448	0.000000	83048.00
Y458	0.000000	68715.50
Y468	0.000000	184685.5
Y478	0.000000	159232.0
Y488	0.000000	151826.0
Y498	0.000000	116892.5
Y508	0.000000	143128.0
Y19	0.000000	38170.50
Y29	0.000000	16062.50
Y39	0.000000	138782.5
Y49	0.000000	106493.5
Y59	0.000000	14387.50
Y69	0.000000	61373.50
Y79	0.000000	105404.0
Y89	0.000000	118013.5
Y99	0.000000	65020.00
Y109	0.000000	172538.5
Y119	0.000000	344007.5
Y129	0.000000	145280.5
Y139	0.000000	19421.50
Y149	0.000000	103834.5
Y159	0.000000	103076.5
Y169	0.000000	206748.5
Y179	0.000000	194664.5
Y189	0.000000	172454.0
Y199	0.000000	148648.0
Y209	0.000000	172537.0
Y219	0.000000	365345.0
Y229	0.000000	0.000000
Y239	0.000000	61040.50
Y249	0.000000	145242.5
Y259	0.000000	148253.0
Y269	0.000000	195935.0
Y279	0.000000	13849.00
Y289	0.000000	24826.50
Y299	0.000000	122497.5
Y309	0.000000	109332.5
Y319	0.000000	241090.5
Y329	0.000000	159022.5
Y339	0.000000	105405.0
Y349	0.000000	118013.5
Y359	0.000000	14387.50
Y369	0.000000	61373.50
Y379	0.000000	16062.50
Y389	0.000000	138782.5
Y399	0.000000	106493.5
Y409	0.000000	11358.50
Y419	0.000000	274379.5
Y429	0.000000	145280.5
Y439	0.000000	19421.50
Y449	0.000000	103834.5
Y459	0.000000	103076.5
Y469	0.000000	206748.5
Y479	0.000000	194664.5
Y489	0.000000	172454.0
Y499	0.000000	148648.0
Y509	0.000000	172537.0
Y110	0.000000	69881.00
Y210	0.000000	98577.00
Y310	0.000000	78818.50

Y410	0.000000	0.000000
Y510	0.000000	120686.5
Y610	0.000000	142389.0
Y710	0.000000	14655.00
Y810	0.000000	11767.50
Y910	0.000000	62096.50
Y1010	0.000000	83567.50
Y1110	0.000000	105908.5
Y1210	0.000000	74525.50
Y1310	0.000000	87154.50
Y1410	0.000000	61576.50
Y1510	0.000000	13971.50
Y1610	0.000000	136308.5
Y1710	0.000000	89604.00
Y1810	0.000000	109949.5
Y1910	0.000000	54685.00
Y2010	0.000000	83568.50
Y2110	0.000000	77160.00
Y2210	0.000000	106493.5
Y2310	0.000000	128045.5
Y2410	0.000000	60550.50
Y2510	0.000000	46538.00
Y2610	0.000000	121580.5
Y2710	0.000000	120089.0
Y2810	0.000000	92925.00
Y2910	0.000000	35681.00
Y3010	0.000000	51183.50
Y3110	0.000000	60561.00
Y3210	0.000000	65812.50
Y3310	0.000000	14653.00
Y3410	0.000000	11767.50
Y3510	0.000000	120686.5
Y3610	0.000000	142389.0
Y3710	0.000000	98577.00
Y3810	0.000000	78818.50
Y3910	0.000000	0.000000
Y4010	0.000000	117838.0
Y4110	0.000000	105908.5
Y4210	0.000000	74525.50
Y4310	0.000000	87154.50
Y4410	0.000000	61576.50
Y4510	0.000000	13971.50
Y4610	0.000000	136308.5
Y4710	0.000000	89604.00
Y4810	0.000000	109949.5
Y4910	0.000000	54685.00
Y5010	0.000000	83568.50
Y511	0.000000	76225.00
Y611	0.000000	82037.00
Y711	0.000000	53315.50
Y811	0.000000	70682.00
Y911	0.000000	0.000000
Y1011	0.000000	109086.0
Y1111	0.000000	119826.5
Y1211	0.000000	80346.00
Y1311	0.000000	48680.00
Y1411	0.000000	38919.00
Y1511	0.000000	51794.00
Y1611	0.000000	142064.0
Y1711	0.000000	138825.5
Y1811	0.000000	108052.5
Y1911	0.000000	87997.50
Y2011	0.000000	109084.0
Y2111	0.000000	117917.0
Y2211	0.000000	65020.00
Y2311	0.000000	66466.50
Y2411	0.000000	82108.00
Y2511	0.000000	91709.50

Y2611	0.000000	130953.0
Y2711	0.000000	75553.50
Y2811	0.000000	67012.50
Y2911	0.000000	62611.50
Y3011	0.000000	44834.00
Y3111	0.000000	82084.50
Y3211	0.000000	97367.50
Y3311	0.000000	53317.50
Y3411	0.000000	70682.00
Y3511	0.000000	76225.00
Y3611	0.000000	82037.00
Y3711	0.000000	66776.00
Y3811	0.000000	73885.00
Y3911	0.000000	62096.50
Y4011	0.000000	74544.00
Y4111	0.000000	119826.5
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Y4311	0.000000	48680.00
Y4411	0.000000	38919.00
Y4511	0.000000	51794.00
Y4611	0.000000	142064.0
Y4711	0.000000	138825.5
Y4811	0.000000	108052.5
Y4911	0.000000	87997.50
Y5011	0.000000	109084.0
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Y612	0.000000	183538.0
Y712	0.000000	74698.50
Y812	0.000000	74493.00
Y912	0.000000	109086.0
Y1012	1.000000	0.000000
Y1112	1.000000	26522.50
Y1212	0.000000	34441.00
Y1312	0.000000	154131.5
Y1412	0.000000	74029.50
Y1512	0.000000	77141.00
Y1612	0.000000	57981.00
Y1712	0.000000	52717.00
Y1812	0.000000	47262.00
Y1912	1.000000	28940.00
Y2012	1.000000	4.500000
Y2112	0.000000	27478.00
Y2212	0.000000	172538.5
Y2312	0.000000	165426.5
Y2412	1.000000	27309.00
Y2512	1.000000	41953.50
Y2612	0.000000	42730.00
Y2712	0.000000	184157.0
Y2812	0.000000	167108.5
Y2912	0.000000	52178.50
Y3012	0.000000	64473.50
Y3112	1.000000	27325.50
Y3212	1.000000	18204.00
Y3312	0.000000	74698.50
Y3412	0.000000	74493.00
Y3512	0.000000	184825.5
Y3612	0.000000	183538.0
Y3712	0.000000	170189.0
Y3812	0.000000	47274.00
Y3912	0.000000	83567.50
Y4012	0.000000	182854.0
Y4112	1.000000	26522.50
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Y4312	0.000000	154131.5
Y4412	0.000000	74029.50
Y4512	0.000000	77141.00
Y4612	0.000000	57981.00
Y4712	0.000000	52717.00

Y4812	0.000000	47262.00
Y4912	1.000000	28940.00
Y5012	1.000000	4.500000
Y513	0.000000	195927.5
Y613	0.000000	186813.0
Y713	0.000000	95112.50
Y813	0.000000	98054.50
Y913	0.000000	119826.5
Y1013	0.000000	26522.50
Y1113	0.000000	0.000000
Y1213	0.000000	39495.00
Y1313	0.000000	167448.0
Y1413	0.000000	81539.00
Y1513	0.000000	97399.50
Y1613	0.000000	31683.50
Y1713	0.000000	74559.00
Y1813	0.000000	28145.50
Y1913	0.000000	53014.00
Y2013	0.000000	26519.00
Y2113	0.000000	52128.50
Y2213	0.000000	184775.5
Y2313	0.000000	168434.0
Y2413	0.000000	45562.50
Y2513	0.000000	67783.00
Y2613	0.000000	16379.00
Y2713	0.000000	195256.0
Y2813	0.000000	182646.5
Y2913	0.000000	71606.00
Y3013	0.000000	75679.00
Y3113	0.000000	45557.00
Y3213	0.000000	43637.50
Y3313	0.000000	95113.00
Y3413	0.000000	98054.50
Y3513	0.000000	195927.5
Y3613	0.000000	186813.0
Y3713	0.000000	184600.0
Y3813	0.000000	47759.00
Y3913	0.000000	105908.5
Y4013	0.000000	194346.0
Y4113	0.000000	0.000000
Y4213	0.000000	39495.00
Y4313	0.000000	167448.0
Y4413	0.000000	81539.00
Y4513	0.000000	97399.50
Y4613	0.000000	31683.50
Y4713	0.000000	74559.00
Y4813	0.000000	28145.50
Y4913	0.000000	53014.00
Y5013	0.000000	26519.00
Y514	0.000000	156497.5
Y614	0.000000	150287.5
Y714	0.000000	61444.50
Y814	0.000000	69670.00
Y914	0.000000	80346.00
Y1014	0.000000	34441.00
Y1114	0.000000	39495.00
Y1214	0.000000	0.000000
Y1314	0.000000	128019.5
Y1414	0.000000	42379.00
Y1514	0.000000	63387.00
Y1614	0.000000	64819.00
Y1714	0.000000	82664.50
Y1814	0.000000	35436.00
Y1914	0.000000	34854.50
Y2014	0.000000	34437.50
Y2114	0.000000	56301.50
Y2214	0.000000	145280.5
Y2314	0.000000	132025.5

Y2414	0.000000	20232.00
Y2514	0.000000	51158.50
Y2614	0.000000	51797.50
Y2714	0.000000	155826.0
Y2814	0.000000	143641.0
Y2914	0.000000	38912.50
Y3014	0.000000	36335.50
Y3114	0.000000	20193.50
Y3214	0.000000	34381.00
Y3314	0.000000	61445.50
Y3414	0.000000	69670.00
Y3514	0.000000	156497.5
Y3614	0.000000	150287.5
Y3714	0.000000	145307.5
Y3814	0.000000	13263.00
Y3914	0.000000	74525.50
Y4014	0.000000	154881.5
Y4114	0.000000	39495.00
Y4214	0.000000	0.000000
Y4314	0.000000	128019.5
Y4414	0.000000	42379.00
Y4514	0.000000	63387.00
Y4614	0.000000	64819.00
Y4714	0.000000	82664.50
Y4814	0.000000	35436.00
Y4914	0.000000	34854.50
Y5014	0.000000	34437.50
Y515	0.000000	33533.00
Y615	0.000000	70131.00
Y715	0.000000	86021.00
Y815	0.000000	98636.00
Y915	0.000000	48680.00
Y1015	0.000000	154131.5
Y1115	0.000000	167448.0
Y1215	0.000000	128019.5
Y1315	0.000000	0.000000
Y1415	0.000000	87499.50
Y1515	0.000000	83682.50
Y1615	0.000000	190660.5
Y1715	0.000000	175253.5
Y1815	0.000000	156728.5
Y1915	0.000000	129673.5
Y2015	0.000000	154130.5
Y2115	0.000000	158211.5
Y2215	0.000000	19421.50
Y2315	0.000000	64564.00
Y2415	0.000000	126824.5
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Y2815	0.000000	21322.50
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Y3115	0.000000	126808.5
Y3215	0.000000	140180.5
Y3315	0.000000	86022.00
Y3415	0.000000	98636.00
Y3515	0.000000	33533.00
Y3615	0.000000	70131.00
Y3715	0.000000	18380.50
Y3815	0.000000	122403.5
Y3915	0.000000	87154.50
Y4015	0.000000	30713.50
Y4115	0.000000	167448.0
Y4215	0.000000	128019.5
Y4315	0.000000	0.000000
Y4415	0.000000	87499.50
Y4515	0.000000	83682.50

Y4615	0.000000	190660.5
Y4715	0.000000	175253.5
Y4815	0.000000	156728.5
Y4915	0.000000	129673.5
Y5015	0.000000	154130.5
Y516	0.000000	114506.0
Y616	0.000000	109731.5
Y716	0.000000	47255.50
Y816	0.000000	63955.50
Y916	1.000000	38919.00
Y1016	0.000000	74029.50
Y1116	0.000000	81539.00
Y1216	0.000000	42379.00
Y1316	0.000000	87499.50
Y1416	1.000000	0.000000
Y1516	0.000000	47608.00
Y1616	0.000000	103166.5
Y1716	0.000000	112694.5
Y1816	0.000000	69327.00
Y1916	0.000000	59074.00
Y2016	0.000000	74027.00
Y2116	0.000000	88485.50
Y2216	0.000000	103834.5
Y2316	0.000000	91810.50
Y2416	0.000000	48940.50
Y2516	0.000000	68681.00
Y2616	0.000000	92105.00
Y2716	0.000000	113836.0
Y2816	0.000000	104907.5
Y2916	0.000000	39642.00
Y3016	1.000000	13401.00
Y3116	0.000000	48907.50
Y3216	0.000000	65947.00
Y3316	0.000000	47257.50
Y3416	0.000000	63955.50
Y3516	0.000000	114506.0
Y3616	0.000000	109731.5
Y3716	0.000000	105407.0
Y3816	0.000000	34969.50
Y3916	0.000000	61576.50
Y4016	0.000000	113036.5
Y4116	0.000000	81539.00
Y4216	0.000000	42379.00
Y4316	0.000000	87499.50
Y4416	1.000000	0.000000
Y4516	0.000000	47608.00
Y4616	0.000000	103166.5
Y4716	0.000000	112694.5
Y4816	0.000000	69327.00
Y4916	0.000000	59074.00
Y5016	0.000000	74027.00
Y517	0.000000	116871.0
Y617	0.000000	133495.5
Y717	0.000000	2498.500
Y817	0.000000	19081.50
Y917	0.000000	51794.00
Y1017	0.000000	77141.00
Y1117	0.000000	97399.50
Y1217	0.000000	63387.00
Y1317	0.000000	83682.50
Y1417	0.000000	47608.00
Y1517	0.000000	0.000000
Y1617	0.000000	126821.0
Y1717	0.000000	91617.50
Y1817	0.000000	98726.00
Y1917	0.000000	49177.00
Y2017	0.000000	77141.50
Y2117	0.000000	75410.00

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Y2317	0.000000	118258.5
Y2417	0.000000	51901.00
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Y3117	0.000000	51903.50
Y3217	0.000000	60389.00
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Y4017	0.000000	114261.0
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Y4217	0.000000	63387.00
Y4317	0.000000	83682.50
Y4417	0.000000	47608.00
Y4517	0.000000	0.000000
Y4617	0.000000	126821.0
Y4717	0.000000	91617.50
Y4817	0.000000	98726.00
Y4917	0.000000	49177.00
Y5017	0.000000	77141.50
Y518	0.000000	216683.5
Y618	0.000000	200003.5
Y718	0.000000	124655.0
Y818	0.000000	129066.5
Y918	0.000000	142064.0
Y1018	0.000000	57981.00
Y1118	0.000000	31683.50
Y1218	0.000000	64819.00
Y1318	0.000000	190660.5
Y1418	0.000000	103166.5
Y1518	0.000000	126821.0
Y1618	1.000000	0.000000
Y1718	0.000000	101267.0
Y1818	0.000000	34583.00
Y1918	0.000000	84513.00
Y2018	0.000000	57977.50
Y2118	0.000000	81851.50
Y2218	0.000000	206748.5
Y2318	0.000000	181835.0
Y2418	0.000000	75783.00
Y2518	0.000000	99466.50
Y2618	1.000000	15305.50
Y2718	0.000000	216020.5
Y2818	0.000000	207503.5
Y2918	0.000000	101183.5
Y3018	0.000000	100399.5
Y3118	0.000000	75770.50
Y3218	0.000000	75320.50
Y3318	0.000000	124656.0
Y3418	0.000000	129066.5
Y3518	0.000000	216683.5
Y3618	0.000000	200003.5
Y3718	0.000000	208480.5
Y3818	0.000000	68282.00
Y3918	0.000000	136308.5
Y4018	0.000000	215488.0
Y4118	0.000000	31683.50
Y4218	0.000000	64819.00
Y4318	0.000000	190660.5

Y4418	0.000000	103166.5
Y4518	0.000000	126821.0
Y4618	1.000000	0.000000
Y4718	0.000000	101267.0
Y4818	0.000000	34583.00
Y4918	0.000000	84513.00
Y5018	0.000000	57977.50
Y519	0.000000	208488.0
Y619	0.000000	219805.0
Y719	0.000000	89332.00
Y819	0.000000	77839.50
Y919	0.000000	138825.5
Y1019	0.000000	52717.00
Y1119	0.000000	74559.00
Y1219	0.000000	82664.50
Y1319	0.000000	175253.5
Y1419	0.000000	112694.5
Y1519	0.000000	91617.50
Y1619	0.000000	101267.0
Y1719	1.000000	0.000000
Y1819	0.000000	99539.50
Y1919	0.000000	53646.50
Y2019	0.000000	52721.50
Y2119	1.000000	26405.50
Y2219	0.000000	194664.5
Y2319	0.000000	202741.0
Y2419	0.000000	65765.00
Y2519	0.000000	47203.00
Y2619	0.000000	87898.00
Y2719	0.000000	207858.5
Y2819	0.000000	182513.0
Y2919	0.000000	76509.50
Y3019	0.000000	100022.0
Y3119	0.000000	65805.00
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Y3319	0.000000	89331.00
Y3419	0.000000	77839.50
Y3519	0.000000	208488.0
Y3619	0.000000	219805.0
Y3719	0.000000	187938.5
Y3819	0.000000	95865.50
Y3919	0.000000	89604.00
Y4019	0.000000	205872.0
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Y4219	0.000000	82664.50
Y4319	0.000000	175253.5
Y4419	0.000000	112694.5
Y4519	0.000000	91617.50
Y4619	0.000000	101267.0
Y4719	1.000000	0.000000
Y4819	0.000000	99539.50
Y4919	0.000000	53646.50
Y5019	0.000000	52721.50
Y120	0.000000	151826.0
Y220	0.000000	174719.0
Y320	0.000000	35059.00
Y420	0.000000	109949.5
Y520	0.000000	182188.5
Y620	0.000000	166256.0
Y720	0.000000	96830.50
Y820	0.000000	104714.5
Y920	0.000000	108052.5
Y1020	0.000000	47262.00
Y1120	0.000000	28145.50
Y1220	0.000000	35436.00
Y1320	0.000000	156728.5
Y1420	0.000000	69327.00
Y1520	0.000000	98726.00

Y1620	0.000000	34583.00
Y1720	0.000000	99539.50
Y1820	1.000000	0.000000
Y1920	0.000000	64844.00
Y2020	0.000000	47258.00
Y2120	0.000000	74737.50
Y2220	0.000000	172454.0
Y2320	0.000000	147981.5
Y2420	0.000000	52200.50
Y2520	0.000000	81502.00
Y2620	0.000000	27522.00
Y2720	0.000000	181527.5
Y2820	0.000000	174157.0
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Y3020	0.000000	68135.00
Y3120	0.000000	52173.50
Y3220	0.000000	59162.50
Y3320	0.000000	96831.50
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Y3520	0.000000	182188.5
Y3620	0.000000	166256.0
Y3720	0.000000	174719.0
Y3820	0.000000	35059.00
Y3920	0.000000	109949.5
Y4020	0.000000	181041.0
Y4120	0.000000	28145.50
Y4220	0.000000	35436.00
Y4320	0.000000	156728.5
Y4420	0.000000	69327.00
Y4520	0.000000	98726.00
Y4620	0.000000	34583.00
Y4720	0.000000	99539.50
Y4820	1.000000	0.000000
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Y5020	0.000000	47258.00
X1	0.000000	0.000000
X2	1.000000	0.000000
X3	1.000000	0.000000
X4	0.000000	0.000000
X5	1.000000	0.000000
X6	1.000000	0.000000
X7	1.000000	0.000000
X8	0.000000	0.000000
X9	0.000000	0.000000
X10	0.000000	0.000000
X11	0.000000	0.000000
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X13	0.000000	0.000000
X14	0.000000	0.000000
X15	0.000000	0.000000
X16	1.000000	0.000000
X17	0.000000	0.000000
X18	1.000000	0.000000
X19	1.000000	0.000000
X20	1.000000	0.000000

Row	Slack or Surplus	Dual Price
1	551595.0	-1.000000
2	0.000000	0.000000
3	0.000000	0.000000
4	0.000000	0.000000
5	0.000000	0.000000
6	0.000000	0.000000
7	0.000000	0.000000
8	0.000000	0.000000
9	0.000000	0.000000
10	0.000000	0.000000
11	0.000000	0.000000

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979	1.000000	0.000000
980	0.000000	0.000000
981	0.000000	0.000000
982	0.000000	0.000000
983	0.000000	0.000000
984	1.000000	0.000000
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986	0.000000	0.000000
987	0.000000	0.000000
988	1.000000	0.000000
989	0.000000	0.000000
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991	0.000000	0.000000
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994	1.000000	0.000000
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998	1.000000	0.000000
999	1.000000	0.000000
1000	0.000000	0.000000
1001	0.000000	0.000000
1002	0.000000	0.000000
1003	0.000000	0.000000
1004	1.000000	0.000000
1005	0.000000	0.000000
1006	0.000000	0.000000
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1009	0.000000	0.000000
1010	1.000000	0.000000
1011	1.000000	0.000000
1012	0.000000	0.000000
1013	0.000000	0.000000
1014	1.000000	0.000000
1015	1.000000	0.000000
1016	0.000000	0.000000
1017	1.000000	0.000000
1018	1.000000	0.000000
1019	1.000000	0.000000
1020	0.000000	0.000000
1021	0.000000	0.000000
1022	0.000000	0.000000
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1024	0.000000	0.000000
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1052	1.000000	0.000000