Ship Loading Positions

1	7	13	19	25	31	37	43	49	55
2	8	14	20	26	32	38	44	50	56
3	9	15	21	27	33	39	45	51	57
4	10	16	22	28	34	40	46	52	58
5	11	17	23	29	35	41	47	53	59
6	12	18	24	30	36	42	48	54	60
61	67	73	79	85	91	97	103	109	115
62	68	74	80	86	92	98	104	110	116
63	69	75	81	87	93	99	105	111	117
64	70	76	82	88	94	100	106	112	118
65	71	77	83	89	95	101	107	113	119
66	72	78	84	90	96	102	108	114	120

Index of Container in each Loading Position (0=empty)

0	0	0	73	12	28	2	43	18	40
0	0	34	51	79	31	71	23	78	68
0	0	56	1	39	13	14	8	74	44
0	0	94	9	93	5	46	60	95	6
0	0	30	65	55	59	54	36	82	62
0	0	0	7	37	22	41	16	53	47
49	0	67	48	42	100	89	32	88	27
84	3	91	10	61	80	97	81	21	76
0	4	86	35	11	87	75	64	45	17
0	0	52	85	99	92	29	26	20	66
0	63	33	72	98	77	19	90	96	57
83	0	50	58	70	38	69	15	24	25

Total Weight in each Loading Position

37.50877195	0	268.1450586	787.2285767	1049.064357	1169.6485	1430.220829	1109.334164	1297.00026	904.9233463
32.97310875	207.764796	250.1432376	641.4672993	1565.148268	1584.907166	1301.055782	1528.762466	1146.56652	1225.673877
0	47.55080316	404.9923865	1136.664353	1698.88019	1840.177415	1083.312996	1489.119984	1091.653063	734.9252626
0	0	288.9542718	1268.111731	1911.287833	1483.532603	1481.613102	1264.186363	690.6172741	939.236752
0	127.9442425	768.947682	1366.687538	1458.988985	1195.091794	1284.367131	915.4051612	779.1252937	1271.84023
40.22807832	0	926.5681888	1840.278255	1337.295208	1286.234912	995.1705093	774.8262708	555.4691096	526.5731984
110.709959	383.2598417	2907.750825	7040.437752	9020.664842	8559.59239	7575.740349	7081.634409	5560.430516	5603.172666

ID Number 12345678

-------- Solution --------

Ship Loading Positions	Index of Container at Posn
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0
13	0
14	34
15	56
16	94
17	30
18	0
19	73
20	51
21	1
22	9
23	65
24	7
25	12
26	79
27	39
28	93
29	55
30	37
31	28
32	31
33	13
34	5
35	59
36	22
37	2
38	71
39	14
40	46
41	54
42	41
43	43
44	23
45	8
46	60
47	36
48	16
49	18
50	78
51	74
52	95
53	82
54	53
55	40
56	68
57	44
58	6
59	62
60	47
61	49
62	84
63	0
64	0
65	0
66	83
67	0
68	3
69	4
70	0
71	63
72	0
73	67
74	91
75	86
76	52
77	33
78	50
79	48
80	10
81	35
82	85
83	72
84	58
85	42
86	61
87	11
88	99
89	98
90	70
91	100
92	80
93	87
94	92
95	77
96	38
97	89
98	97
99	75
100	29
101	19
102	69
103	32
104	81
105	64
106	26
107	90
108	15
109	88
110	21
111	45
112	20
113	96
114	24
115	27
116	76
117	17
118	66
119	57
120	25

---- Solution Quality ----

ProbA

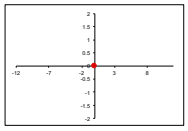
dX=	-9.7E-06
dY=	2.38E-06
Obj Fn=	2.17E-05

- Number of Containers -

Containers	100

- Number of Positions -

Positions	120



--- Container Data ---

Container Index	Container Weight
0	0
1	280.7546
2	669.389
3	207.7648
4	47.5508
5	830.8559
6	275.2896
7	942.0694
8	514.9914
9	346.4315
10	387.0416
11	888.9294
12	589.9275
13	967.7608
14	585.6589
15	405.8013
16	369.025
17	389.7931
18	956.3363
19	745.112
20	391.4605
21	802.0752
22	548.2732
23	615.7557
24	319.5606
25	262.8152
26	864.8866
27	617.4171
28	925.0999
29	903.1375
30	206.4649
31	734.3443
32	354.7015
33	562.4828
34	101.3493
35	855.9098
36	398.4976
37	733.6511
38	737.9617
39	809.9508
40	287.5062
41	394.7741
42	459.1369
43	754.6327
44	345.1322
45	419.8283
46	578.4756
47	263.758
48	584.9763
49	37.50877
50	926.5682
51	254.4257
52	59.16333
53	235.9075
54	539.2551
55	931.2013
56	189.8707
57	520.1078
58	898.2088
59	734.1092
60	399.2997
61	975.6835
62	751.7324
63	127.9442
64	974.1286
65	835.9396
66	663.9471
67	268.1451
68	704.7202
69	600.3964
70	603.6441
71	686.8336
72	530.7479
73	202.2523
74	671.8248
75	497.6541
76	520.9537
77	460.9826
78	344.4914
79	589.4647
80	850.5629
81	913.0067
82	291.2842
83	40.22808
84	32.97311
85	921.6802
86	215.1217
87	872.4166
88	340.664
89	760.8318
90	516.9076
91	148.794
92	652.6767
93	988.1317
94	229.7909
95	299.1568
96	487.8411
97	614.2222
98	527.7877
99	923.1561
100	244.5486
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---------- Workings ----------

Objective Calculation Workings		
Position	Position	Position
0	-33	7.5
0	-33	4.5
0	-33	1.5
0	-33	-1.5
0	-33	-4.5
0	-33	-7.5
0	-27	7.5
0	-27	4.5
0	-27	1.5
0	-27	-1.5
0	-27	-4.5
0	-27	-7.5
0	-21	7.5
101.3493	-21	4.5
189.8707	-21	1.5
229.7909	-21	-1.5
206.4649	-21	-4.5
0	-21	-7.5
202.2523	-15	7.5
254.4257	-15	4.5
280.7546	-15	1.5
346.4315	-15	-1.5
835.9396	-15	-4.5
942.0694	-15	-7.5
589.9275	-9	7.5
589.4647	-9	4.5
809.9508	-9	1.5
988.1317	-9	-1.5
931.2013	-9	-4.5
733.6511	-9	-7.5
925.0999	-3	7.5
734.3443	-3	4.5
967.7608	-3	1.5
830.8559	-3	-1.5
734.1092	-3	-4.5
548.2732	-3	-7.5
669.389	3	7.5
686.8336	3	4.5
585.6589	3	1.5
578.4756	3	-1.5
539.2551	3	-4.5
394.7741	3	-7.5
754.6327	9	7.5
615.7557	9	4.5
514.9914	9	1.5
399.2997	9	-1.5
398.4976	9	-4.5
369.025	9	-7.5
956.3363	15	7.5
344.4914	15	4.5
671.8248	15	1.5
299.1568	15	-1.5
291.2842	15	-4.5
235.9075	15	-7.5
287.5062	21	7.5
704.7202	21	4.5
345.1322	21	1.5
275.2896	21	-1.5
751.7324	21	-4.5
263.758	21	-7.5
37.50877	-33	7.5
32.97311	-33	4.5
0	-33	1.5
0	-33	-1.5
0	-33	-4.5
40.22808	-33	-7.5
0	-27	7.5
207.7648	-27	4.5
47.5508	-27	1.5
0	-27	-1.5
127.9442	-27	-4.5
0	-27	-7.5
268.1451	-21	7.5
148.794	-21	4.5
215.1217	-21	1.5
59.16333	-21	-1.5
562.4828	-21	-4.5
926.5682	-21	-7.5
584.9763	-15	7.5
387.0416	-15	4.5
855.9098	-15	1.5
921.6802	-15	-1.5
530.7479	-15	-4.5
898.2088	-15	-7.5
459.1369	-9	7.5
975.6835	-9	4.5
888.9294	-9	1.5
923.1561	-9	-1.5
527.7877	-9	-4.5
603.6441	-9	-7.5
244.5486	-3	7.5
850.5629	-3	4.5
872.4166	-3	1.5
652.6767	-3	-1.5
460.9826	-3	-4.5
737.9617	-3	-7.5
760.8318	3	7.5
614.2222	3	4.5
497.6541	3	1.5
903.1375	3	-1.5
745.112	3	-4.5
600.3964	3	-7.5
354.7015	9	7.5
913.0067	9	4.5
974.1286	9	1.5
864.8866	9	-1.5
516.9076	9	-4.5
405.8013	9	-7.5
340.664	15	7.5
802.0752	15	4.5
419.8283	15	1.5
391.4605	15	-1.5
487.8411	15	-4.5
319.5606	15	-7.5
617.4171	21	7.5
520.9537	21	4.5
389.7931	21	1.5
663.9471	21	-1.5
520.1078	21	-4.5
262.8152	21	-7.5

---------- Workings ----------

Duplicate Check	All Containers
OK	OK
TRUE	TRUE
TRUE	TRUE
TRUE	TRUE