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
in each Loading	Position (0	=empty)	0	18	19	14	0	0	0
0	0	0	0	5	1	0	0	0	0
0	0	0	0	3	0	0	0	0	0
0	0	0	0	0	0	0	0	7	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	9	0	20	0	0	0
_									
0	0	0	12	11	6	2	0	4	0
0	0	0	0	10	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	8	0
0	0	0	0	0	17	0 13	15	16	0

Fotal Weight in each Loading Position											
	0	0	0	130.781	453.1908	429.282	189.628	0	15.958	0	
	0	0	0	0	110.557	1.234	0	0	0	0	
/	0	0	0	0	8.258	0	0	0	0	0	
\	0	0	0	0	0	0	0	0	98.856	0	
	0	0	0	0	0	0	0	218.649	256.452	0	
	0	0	0	0	70 973	200 215	612 257	0	0	0	

	Total Weigi	ht in each Loadir		tion	0	130.781	453.1908	429.282	189.628	0	15.958
	_		0	0	0	0	110.557	1.234	0	0	0
			0	0	0	0	8.258 0	0	0	0	98.856
	_	lacksquare	0	0	0	0	70.973	0 298.215	0 612.357	218.649	256.452
ID Nombre	12345678										
Solut	tion		Solution	Quality		Containe	r Data			Workings	
Ship Loading	Index of Container	Prob	С			Container Index	Container Weight		Objective Ca	alculation Wo	orkings
Positions 1	at Posn	dX= dY=		0.002788	Ī	0	1,234		Position 0	Position -33	Position 7.5
2	0	Obj I	Fn=	0.003081	İ	2 3	4.259		0	-33	4.5 1.5
3 4	0					3 4	8.258 15.958		0	-33 -33	1.5 -1.5
5	0	- Nu	mber of	Containers -	7	5	23.299		0	-33	-4.5
6 7	0	Con	ainers	20	1	6 7 8	32.159 43.258		0	-33 -27	-7.5 7.5
8	0	- Nu	mher of	Positions -		8	55.598 70.973		0	-27 -27	4.5 1.5
10	0	Posi	tions	120	I	10	87.258		0	-27	-1.5
11 12	0					11 12	107.2458 130.781		0 0 0	-27 -27	-4.5 -7.5 7.5
13 14	0					13 14	156.589 185.369		0	-21 -21	7.5 4.5
15	0					15	218.649		0	-21	1.5
16 17	0					16 17	298.215		0	-21 -21	-1.5 -4.5
18 19	0					18 19	345.945 397.123		0	-21 -15	-7.5 7.5
20 21	0					20 21	455.768		0	-15 -15	-7.5 7.5 4.5 1.5 -1.5
22	0					22			0	-15	-1.5
23 24	0					23 24			0	-15 -15	-4.5 -7.5
25 26	18 5					25 26			345.945 23.299	-9 -9	7.5 4.5
27	3					27			8.258	-9	1.5
28 29	0					28 29			0	-9 -9	-1.5 -4.5
30 31	9 19					30 31			70.973 397.123	-9 -3	-7.5
32	1					32			1.234	-3	7.5 4.5
33 34	0					33 34			0	-3 -3	1.5 -1.5
35 36	0					35 36			0	-3 -3	-4.5 -7.5
37	14					37			185.369	3	7.5
38 39	0					38 39			0		-4.5 -7.5 7.5 4.5 1.5 -1.5
40 41	0					40 41			0	3 3 3	-1.5 -4.5
42	20					42			455.768	3	-7.5
43 44	0					43 44			0	9	7.5 4.5
45 46	0					45 46			0	9 9	1.5 -1.5
47	0					47			0	9	-4.5
48 49	0					48 49			0	9 15	-7.5 7.5
50 51	0					50 51			0	15 15	4.5 1.5
52	7					52			43.258	15	-1.5
53 54 55	0 0 0					53 54 55			0 0 0	15 15 21	-4.5 -7.5
55 56	0					55 56			0	21 21	-7.5 7.5 4.5 1.5
57	0					57			0	21 21	1.5
58 59	0					58 59			0 0 0	21	-1.5 -4.5 -7.5
60 61	0					60 61			0	21 -33	-7.5 7.5
62	0					62			0	-33	4.5
63 64	0					63 64			0	-33 -33	1.5 -1.5
65 66	0					65 66			0 0 0	-33 -33	-4.5 -7.5
67	0					67			0	-27	7.5
68 69	0					68 69			0	-27 -27	4.5 1.5
70 71	0					70 71			0	-27 -27	-1.5
72	0					72			0	-27	-4.5 -7.5
73 74 75	0					73 74 75			0	-21 -21 -21	7.5 4.5
75 76	0					75 76			0 0 0	-21 -21	4.5 1.5 -1.5
77	0					77			0	-21	-4.5
78 79	0 12					78 79			0 130.781	-21 -15	-4.5 -7.5 7.5
80 81	0					80 81			0	-15 -15	4.5 1.5
82 83	0					82 83			0	-15 -15	-1.5 -4.5
84	0					84			0	-15	-7.5
85 86	11 10					85 86			107.2458 87.258	-9 -9	7.5 4.5
87	0					87			0	-9	1.5
88 89	0					88 89			0	-9 -9	-1.5 -4.5
90 91	6					90 91			0 32.159	-9 -3	-7.5 7.5
92	6					92			0	-3	4.5
93 94	0					93 94			0	-3 -3	-1.5
95 96	0 17					95 96			0 298.215	-3 -3	-4.5 -7.5
97 98	17 2 0					97 98			4.259 0	3	7.5 4.5
99	0					99			0	3	1.5
100 101	0					100			0	ସ୍ଟ୍ଟ୍ଟ୍ଟ୍ଟ୍ଟ୍ଟ୍ଟ୍ଟ୍ଟ୍ଟ୍ଟ୍ଟ୍ଟ୍ଟ୍ଟ୍ଟ୍ଟ୍ଟ	-4.5 -7.5 -7.5 -1.5 -1.5 -4.5 -7.5 -4.5 -1.5 -4.5 -7.5 -4.5 -7.5 -7.5 -1.5 -1.5
102 103	13 0								156.589 0	3	-7.5 7.5
104	0								0	9	4.5
105 106	0								0	9	1.5 -1.5
107 108	15 0								218.649 0	9	-4.5 -7.5
109	4								15.958	15	7.5
110 111	4 0 0 8 16								0	15 15	4.5 1.5
112 113	8 16								55.598 256.452	15 15	-1.5 -4.5
114	0								0	15	-7.5
115 116	0 0 0								0 0 0	15 21 21 21	-4.5 -7.5 7.5 4.5 1.5 -1.5 -4.5 -7.5 7.5 4.5
117 118	0								0	21	-1.5
119 120	0								0	21	-4.5 -7.5
120									U		-1.0

612.357	218.649	256.452	0		
	Workings			Work	ings
				Duplicate	All
Objective Co Position	Position Wi	Position		Check OK	Containers OK
0	-33 -33	7.5		TRUE	TRUE
0	-33	4.5 1.5		TRUE	TRUE
0	-33 -33	-1.5 -4.5		TRUE	TRUE
0	-33	-7.5 7.5		TRUE	TRUE
0	-27 -27	4.5		TRUE	TRUE
0	-27 -27	1.5 -1.5		TRUE	TRUE
0 0 0 0 0 0 0 0	-27	-4.5		TRUE	TRUE
0	-27 -21	-7.5 7.5		TRUE	TRUE
0	-21	4.5		TRUE	TRUE
0 0 0 0 0	-21 -21	1.5 -1.5		TRUE	TRUE
0	-21 -21	-4.5		TRUE	TRUE
ō	-15 -15	-7.5 7.5 4.5 1.5 -1.5		TRUE	TRUE
0	-15 -15	4.5 1.5		TRUE	TRUE
0	-15 -15 -15	-1.5 -4.5		TRUE	
0	-15	-7.5		TRUE	
345.945 23.299	-9 -0	7.5 4.5		TRUE	
8.258	-9	4.5 1.5		TRUE	
0	-9 -9	-1.5 -4.5		TRUE	
70.973	-9	-7.5		TRUE	
397.123 1.234	-3 -3	7.5 4.5		TRUE	
0	-3	1.5 -1.5		TRUE	
0	-3	-1.5 -4.5 -7.5		TRUE	
0 185.369	-3 3	-7.5 7.5		TRUE	
0	99999999999999999999999999999999999999	7.5 4.5 1.5		TRUE	
0	3	1.5 -1.5 -4.5		TRUE	
0 455.768	3	-7.5		TRUE	
0	9	7.5		TRUE	
0 0	9	4.5 1.5 -1.5		TRUE	
0	9	-1.5 -4.5		TRUE	
0	9	-7.5		TRUE	
0	15 15	7.5 4.5		TRUE	
0	15	1.5		TRUE	
43.258 0	15 15	-1.5 -4.5		TRUE	
0	15 21	-7.5 7.5		TRUE	
0	21	4.5 1.5		TRUE	
0 0 0 0 0 0 0 0 0 0	21 21	1.5 -1.5		TRUE	
0	21 21	-4.5		TRUE	
0	-33	-4.5 -7.5 7.5		TRUE	
0	-33 -33	4.5 1.5		TRUE	
0	-33	-1.5		TRUE	
0	-33 -33	-4.5 -7.5		TRUE	
0	-27 -27	7.5 4.5		TRUE	
0	-27 -27	1.5		TRUE	
0	-27 -27	-1.5 -4.5		TRUE	
0	-27	-7.5		TRUE	
0	-21 -21	7.5 4.5 1.5		TRUE	
0 0 0	-21 -21	1.5		TRUE	
0	-21	-1.5 -4.5		TRUE	
130.781	-21 -15	-7.5 7.5 4.5		TRUE	
0	-15 -15	4.5 1.5		TRUE	
0	-15 -15 -15	-1.5		TRUE	
0	-15	-4.5 -7.5		TRUE	
107.2458 87.258	-9	7.5 4.5		TRUE	
0	-9	1.5		TRUE	
0	-9 -9	-1.5 -4.5		TRUE	
0	9 9 9 7 7 7 7	-7.5		TRUE	
32.159 0	-3 -3	7.5 4.5 1.5		TRUE	
0	-3 -3	-1.5		TRUE	
0	-3	-4.5		TRUE	
298.215 4.259 0	-3 -3 3 3 3 3 3 9	-7.5 7.5		TRUE	
0	3	4.5		TRUE	
0	3	-1.5		TRUE	
156.589	3	-4.5 -7.5		TRUE	
0	9	-4.5 -7.5 7.5 4.5 1.5 -1.5 -7.5 -7.5 4.5 1.5		TRUE	
0	9	4.5 1.5		TRUE	
0	9	-15		TRUE	
218.649 0	9 9 15	-4.5 -7.5		TRUE	
15.958 0	15 15	7.5		TRUE	
0	15	4.5 1.5		TRUE	
55.598 256.452	15 15	-1.5 -4.5		TRUE	
0	15 21	-7.5		TRUE	
0	21 21 21	-1.5 -4.5 -7.5 7.5 4.5 1.5		TRUE	
0	21	-1.5		TRUE	
0	21	-4.5 -7.5		TRUE	
0	21	-7.5		TRUE	