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

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

Total Weight in each Loading Position

_										
	15.80798313	19.6620722	14.4341165	690.672541	347.07809	179.955102	356.968359	95.4666947	161.577258	389.72757
	11.51868956	14.5786363	56.9292305	318.397034	169.481822	101.510343	66.3951876	191.585677	212.587807	98.6557077
	8.269346576	12.8145075	81.1770566	373.786954	162.901066	184.083909	64.2069438	35.5263137	64.5710179	83.9715463
	3.601720718	7.90853459	20.2458726	150.329165	122.340661	177.691271	162.386714	179.818818	190.67455	336.217052
	1.222637606	18.6193626	99.3624943	368.088813	184.190724	107.804395	244.381229	82.0531062	50.5236607	241.125135
	2.103200872	76.7844862	98.7870648	249.869908	162.386501	153.977248	262.510647	606.627937	108.161285	400.721921

42.52357846 150.367599 370.935835 2151.14442 1148.37886 905.022267 1156.84908 1191.07855 788.095579 1550.41893

## ID Number 925302651

Solution					
Ship	Index of				
Loading	Container				
Positions	at Posn				
1	22				
2	38				
3	32				
4	14				
5	2				
6	4				
7	40				
8	92				
9	42				
10	16				
11	26				
12	18				
13	34				
14	44				
15	108				
16	71				
17	27				
18	52				
19	75				
20	118				
21	51				
22	11				

Solution C	Qualitv
------------	---------

ProbA

1100/1	
dX= -1.4E-06	
dY= -3.2E-07	
Obj Fn= 3E-06	
- <b>,</b>	
Number of Containers	
- Number of Containers -	
Containers 120	
- Number of Positions -	
D '11' 400	
Positions 120	
Positions 120	
2 ]	
2 ]	
1.5 -	
2 1.5 - 1 -	
2 1.5 1 0.5	
2 1.5 1 0.5	
2 1.5 1 0.5	
2 1.5 - 1 - 0.5 - -7 -2 -3 8	
2 1.5 - 1 - 0.5 - -7 -2 -3 8	

--- Container Data ----Container Container

Index	Weight	
0	0	
1	87.51651	
1 2	0.87015	
3	61.58868	
4	0.745666	
5	80.59673	
6	2.884038	
7	81.78999	
8	5.483662	
9	37.46672	
10	12.91584	
11	67.36751	
12	248.008	
13	79.73182	
14	0.717683	
15	10.34096	
16	2.424872	
17	27.63356	
18	5.244997	
19	99.16572	
20	7.49868	
21	32.51991	
22	0.105823	

Workings ---

Objective Calculation Workings					
Weights	Data X	Data Y			
0.105823	-33	7.5			
0.508907	-33	4.5			
0.770666	-33	1.5			
0.717683	-33	-1.5			
0.87015	-33	-4.5			
0.745666	-33	-7.5			
0.959409	-27	7.5			
1.662801	-27	4.5			
2.358016	-27	1.5			
2.424872	-27	-1.5			
2.625794	-27	-4.5			
5.244997	-27	-7.5			
3.919351	-21	7.5			
5.398177	-21	4.5			
7.007721	-21	1.5			
7.130167	-21	-1.5			
8.972342	-21	-4.5			
19.43479	-21	-7.5			
391.0193	-15	7.5			
238.6652	-15	4.5			
80.63375	-15	1.5			
67.36751	-15	-1.5			

Workings

	Kings
Duplicate	All
Check	Containers
OK	OK
TRUE	TRUE