

# Directional Antenna Array Information

**STA Confirmation Number: EL162978**

**STA File Number: 0219-EX-ST-2021**

**Date of Submission: February 17, 2021**

Levi Kunkel

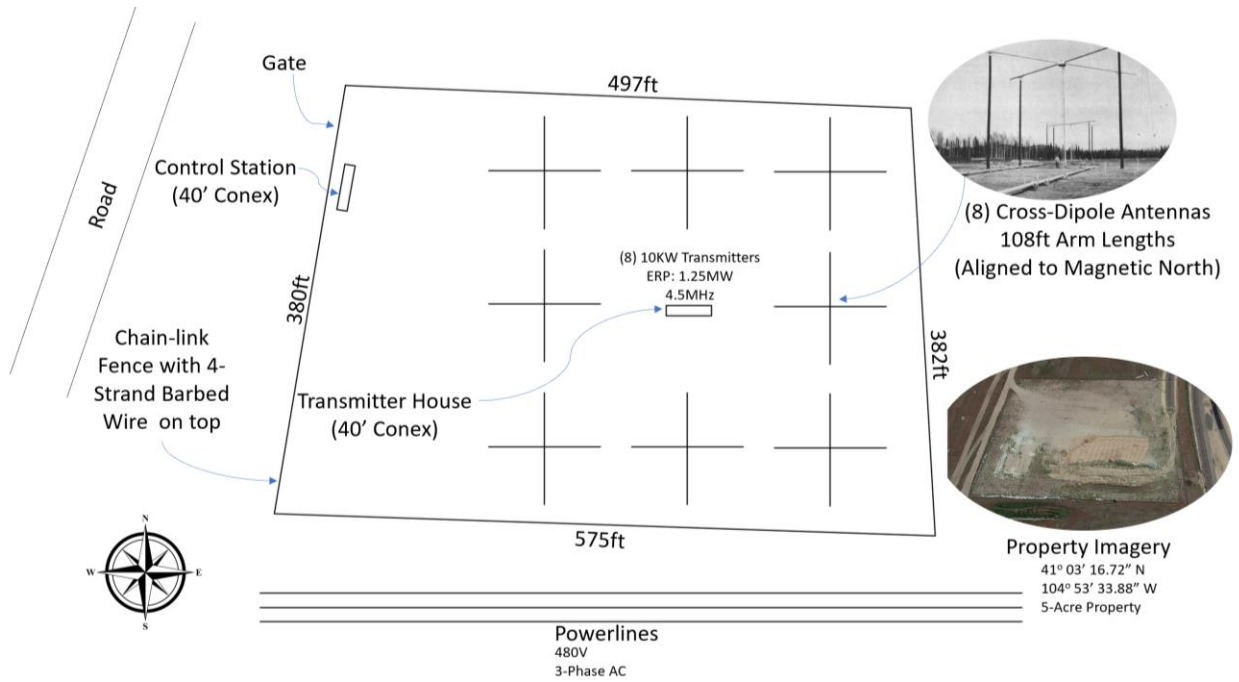
Chief Technical Officer

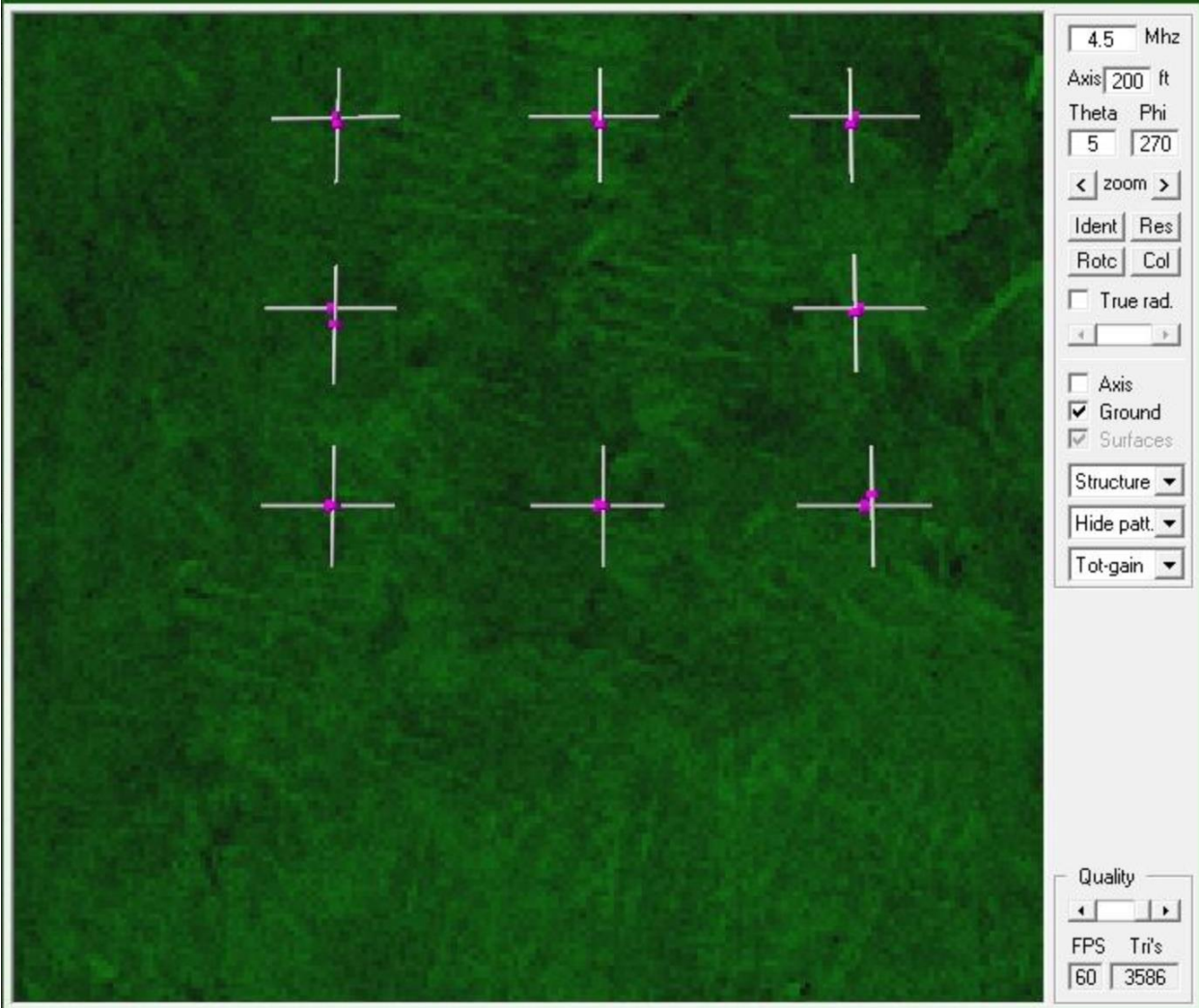
**Fourth State Communications, LLC**

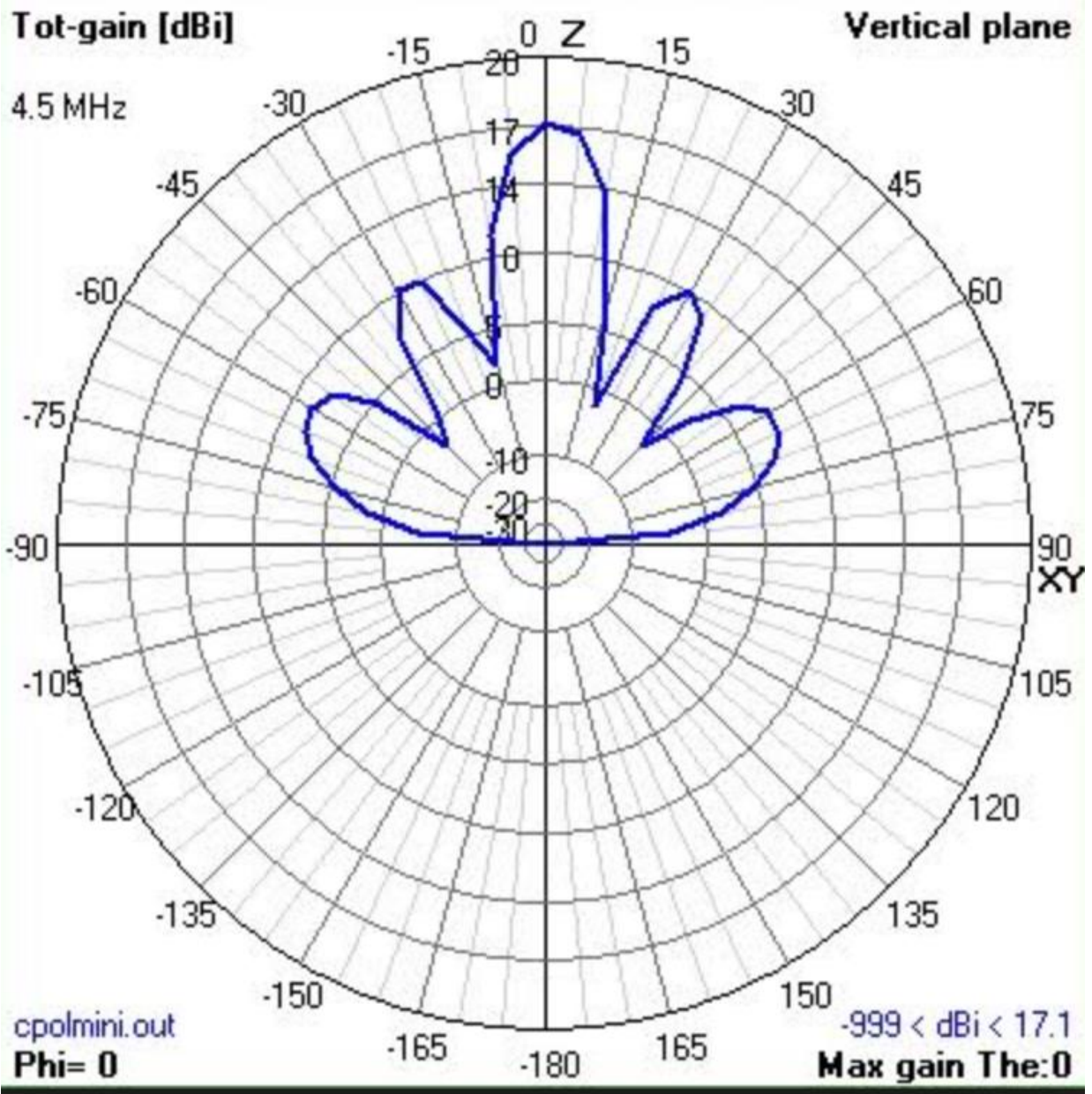
750 Road 138 | Cheyenne, WY 82007 | 307.287.6851 | lkunkel@4thstatecommunications.com

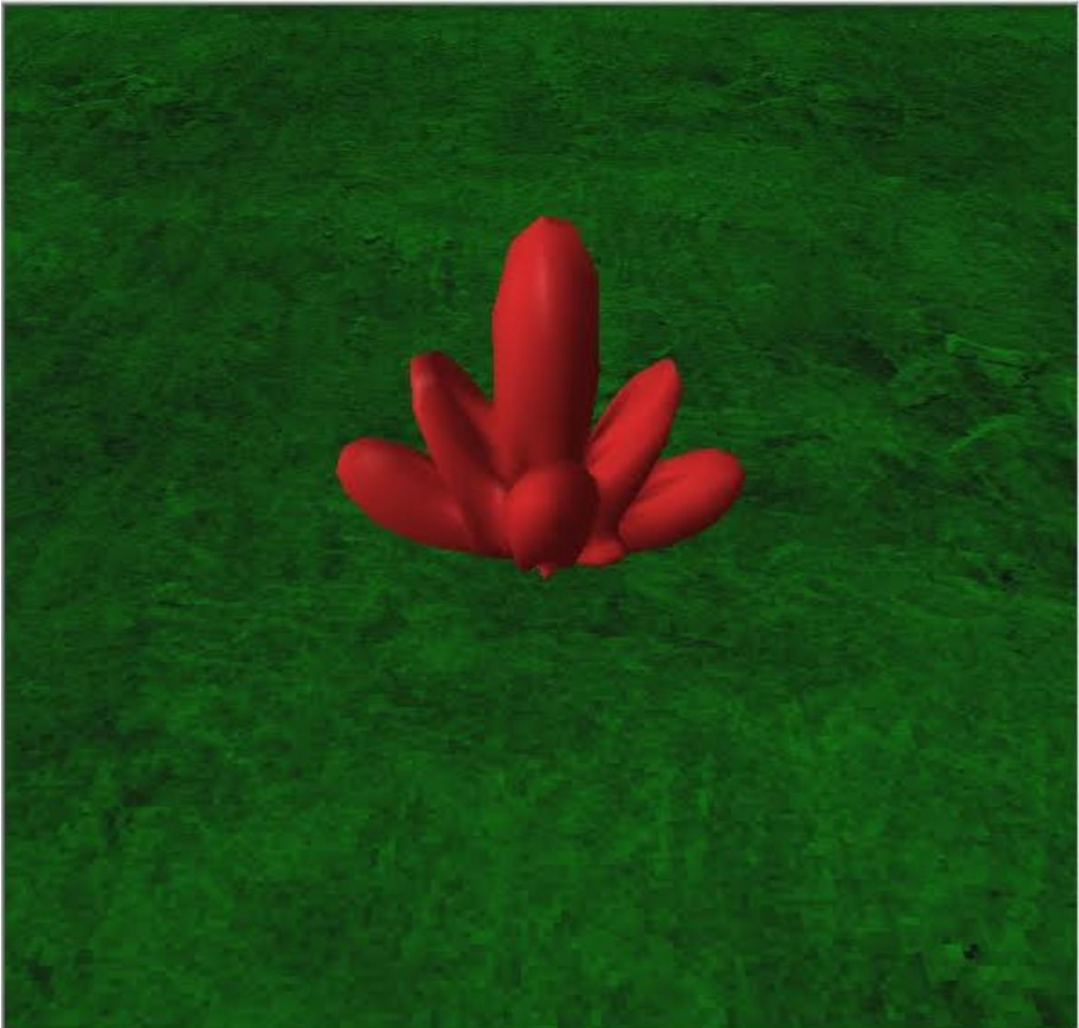
## Site Description

The site is located 10 miles outside of the city of Cheyenne, Wyoming. It is located in a business park. The site is in an isolated area of the business park with no businesses located within a quarter mile of the site. The site is in the vicinity of a 500ft communications tower and a 100ft tall manufacturing building.









4.5	Mhz	
Axis	200	ft
Theta	Phi	
57	269	
< zoom >		
Ident	Res	
Rotc	Col	
<input type="checkbox"/> True rad.		
◀ ▶		
<input type="checkbox"/> Axis		
<input checked="" type="checkbox"/> Ground		
<input checked="" type="checkbox"/> Surfaces		
Hide struc ▼		
Pattern ▼		
Tot-gain ▼		
<input checked="" type="checkbox"/> ARRL style		
Magnitud ▼		

Quality	
◀ ▶	
FPS	Tri's
60	2594

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NUMERICAL ELECTROMAGNETICS CODE

(NEC-2D)

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- - - - COMMENTS - - - -

- - - STRUCTURE SPECIFICATION - - -

COORDINATES MUST BE INPUT IN  
METERS OR BE SCALED TO METERS  
BEFORE STRUCTURE INPUT IS ENDED

WIRE							
NO. OF	FIRST	LAST	TAG				
NO.	X1	Y1	SEG.	Z1	X2	Y2	
Z2	RADIUS	SEG.	SEG.	SEG.	NO.		
1	0.71231	0.00000		54.64385	110.00000	0.00000	
54.64385	0.00328	11		1	11	1	
2	-218.57539	0.00000		54.64385	-109.28769	0.00000	
54.64385	0.00328	11		12	22	2	
3	218.57539	0.00000		54.64385	327.86308	0.00000	
54.64385	0.00328	11		23	33	3	
4	-218.57550	163.93154		54.64385	-109.28760	163.93154	
54.64385	0.00328	11		34	44	4	
5	218.57539	163.93154		54.64385	327.86308	163.93154	
54.64385	0.00328	11		45	55	5	
6	-216.38970	325.67732		54.64385	-109.28760	327.86308	
54.64385	0.00328	11		56	66	6	
7	218.57539	327.86308		54.64385	327.86308	327.86308	
54.64385	0.00328	11		67	77	7	
8	0.00000	327.86308		54.64385	109.28769	327.86308	
54.64385	0.00328	11		78	88	8	
9	-160.00000	370.00000		55.64380	-160.71231	270.00000	
55.64380	0.00328	11		89	99	9	
10	60.00000	370.00000		55.64380	59.28769	270.00000	
55.64380	0.00328	11		100	110	10	
11	270.00000	370.00000		55.64380	269.28769	270.00000	
55.64380	0.00328	11		111	121	11	

```

12 -160.00000 200.00000 55.64380 -160.71231 100.00000
55.64380 0.00328 11 122 132 12
13 270.00000 210.00000 55.64380 269.28769 110.00000
55.64380 0.00328 11 133 143 13
14 -159.28769 50.00000 55.64380 -160.00000 -50.00000
55.64380 0.00328 11 144 154 14
15 60.71231 50.00000 55.64380 60.00000 -50.00000
55.64380 0.00328 11 155 165 15
16 280.00000 50.00000 55.64380 279.28769 -50.00000
55.64380 0.00328 11 166 176 17

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STRUCTURE SCALED BY FACTOR 0.30480

TOTAL SEGMENTS USED= 176 NO. SEG. IN A SYMMETRIC CELL= 176  
SYMMETRY FLAG= 0

- MULTIPLE WIRE JUNCTIONS -  
JUNCTION SEGMENTS (- FOR END 1, + FOR END 2)  
NONE

- - - - SEGMENTATION DATA - - - -

COORDINATES IN METERS

I+ AND I- INDICATE THE SEGMENTS BEFORE AND AFTER

I

SEG. WIRE NO. RADIUS	COORDINATES OF SEG. CENTER CONNECTION DATA TAG				SEG. LENGTH	ORIENTATION ANGLES	
	X	Y	Z	NO.		ALPHA	BETA
1	1.73124	0.00000	16.65544	1	3.02826	0.00000	0.00000
0.00100	0	1	2	1			
2	4.75951	0.00000	16.65544	1	3.02826	0.00000	0.00000
0.00100	1	2	3	1			
3	7.78777	0.00000	16.65544	1	3.02826	0.00000	0.00000
0.00100	2	3	4	1			
4	10.81603	0.00000	16.65544	1	3.02826	0.00000	0.00000
0.00100	3	4	5	1			
5	13.84429	0.00000	16.65544	1	3.02826	0.00000	0.00000
0.00100	4	5	6	1			
6	16.87256	0.00000	16.65544	1	3.02826	0.00000	0.00000
0.00100	5	6	7	1			
7	19.90082	0.00000	16.65544	1	3.02826	0.00000	0.00000
0.00100	6	7	8	1			
8	22.92908	0.00000	16.65544	1	3.02826	0.00000	0.00000
0.00100	7	8	9	1			
9	25.95734	0.00000	16.65544	1	3.02826	0.00000	0.00000

0.00100	8	9	10	1			
10	28.98561	0.00000	16.65544	3.02826	0.00000	0.00000	
0.00100	9	10	11	1			
11	32.01387	0.00000	16.65544	3.02826	0.00000	0.00000	
0.00100	10	11	0	1			
12	-65.10765	0.00000	16.65544	3.02826	0.00000	0.00000	
0.00100	0	12	13	2			
13	-62.07938	0.00000	16.65544	3.02826	0.00000	0.00000	
0.00100	12	13	14	2			
14	-59.05112	0.00000	16.65544	3.02826	0.00000	0.00000	
0.00100	13	14	15	2			
15	-56.02286	0.00000	16.65544	3.02826	0.00000	0.00000	
0.00100	14	15	16	2			
16	-52.99460	0.00000	16.65544	3.02826	0.00000	0.00000	
0.00100	15	16	17	2			
17	-49.96633	0.00000	16.65544	3.02826	0.00000	0.00000	
0.00100	16	17	18	2			
18	-46.93807	0.00000	16.65544	3.02826	0.00000	0.00000	
0.00100	17	18	19	2			
19	-43.90981	0.00000	16.65544	3.02826	0.00000	0.00000	
0.00100	18	19	20	2			
20	-40.88154	0.00000	16.65544	3.02826	0.00000	0.00000	
0.00100	19	20	21	2			
21	-37.85328	0.00000	16.65544	3.02826	0.00000	0.00000	
0.00100	20	21	22	2			
22	-34.82502	0.00000	16.65544	3.02826	0.00000	0.00000	
0.00100	21	22	0	2			
23	68.13591	0.00000	16.65544	3.02826	0.00000	0.00000	
0.00100	0	23	24	3			
24	71.16417	0.00000	16.65544	3.02826	0.00000	0.00000	
0.00100	23	24	25	3			
25	74.19243	0.00000	16.65544	3.02826	0.00000	0.00000	
0.00100	24	25	26	3			
26	77.22070	0.00000	16.65544	3.02826	0.00000	0.00000	
0.00100	25	26	27	3			
27	80.24896	0.00000	16.65544	3.02826	0.00000	0.00000	
0.00100	26	27	28	3			
28	83.27722	0.00000	16.65544	3.02826	0.00000	0.00000	
0.00100	27	28	29	3			
29	86.30548	0.00000	16.65544	3.02826	0.00000	0.00000	
0.00100	28	29	30	3			
30	89.33375	0.00000	16.65544	3.02826	0.00000	0.00000	
0.00100	29	30	31	3			
31	92.36201	0.00000	16.65544	3.02826	0.00000	0.00000	
0.00100	30	31	32	3			
32	95.39027	0.00000	16.65544	3.02826	0.00000	0.00000	
0.00100	31	32	33	3			
33	98.41854	0.00000	16.65544	3.02826	0.00000	0.00000	
0.00100	32	33	0	3			
34	-65.10768	49.96633	16.65545	3.02827	0.00000	0.00000	
0.00100	0	34	35	4			
35	-62.07941	49.96633	16.65545	3.02827	0.00000	0.00000	



0.00100	34	35	36	4			
	36	-59.05114	49.96633	16.65545	3.02827	0.00000	0.00000
0.00100	35	36	37	4			
	37	-56.02287	49.96633	16.65545	3.02827	0.00000	0.00000
0.00100	36	37	38	4			
	38	-52.99460	49.96633	16.65545	3.02827	0.00000	0.00000
0.00100	37	38	39	4			
	39	-49.96634	49.96633	16.65545	3.02827	0.00000	0.00000
0.00100	38	39	40	4			
	40	-46.93807	49.96633	16.65545	3.02827	0.00000	0.00000
0.00100	39	40	41	4			
	41	-43.90980	49.96633	16.65545	3.02827	0.00000	0.00000
0.00100	40	41	42	4			
	42	-40.88153	49.96633	16.65545	3.02827	0.00000	0.00000
0.00100	41	42	43	4			
	43	-37.85326	49.96633	16.65545	3.02827	0.00000	0.00000
0.00100	42	43	44	4			
	44	-34.82499	49.96633	16.65545	3.02827	0.00000	0.00000
0.00100	43	44	0	4			
	45	68.13591	49.96633	16.65545	3.02826	0.00000	0.00000
0.00100	0	45	46	5			
	46	71.16417	49.96633	16.65545	3.02826	0.00000	0.00000
0.00100	45	46	47	5			
	47	74.19244	49.96633	16.65545	3.02826	0.00000	0.00000
0.00100	46	47	48	5			
	48	77.22070	49.96633	16.65545	3.02826	0.00000	0.00000
0.00100	47	48	49	5			
	49	80.24896	49.96633	16.65545	3.02826	0.00000	0.00000
0.00100	48	49	50	5			
	50	83.27722	49.96633	16.65545	3.02826	0.00000	0.00000
0.00100	49	50	51	5			
	51	86.30549	49.96633	16.65545	3.02826	0.00000	0.00000
0.00100	50	51	52	5			
	52	89.33375	49.96633	16.65545	3.02826	0.00000	0.00000
0.00100	51	52	53	5			
	53	92.36201	49.96633	16.65545	3.02826	0.00000	0.00000
0.00100	52	53	54	5			
	54	95.39027	49.96633	16.65545	3.02826	0.00000	0.00000
0.00100	53	54	55	5			
	55	98.41854	49.96633	16.65545	3.02826	0.00000	0.00000
0.00100	54	55	0	5			
	56	-64.47173	99.29673	16.65545	2.96832	0.00000	1.16914
0.00100	0	56	57	6			
	57	-61.50403	99.35730	16.65545	2.96832	0.00000	1.16914
0.00100	56	57	58	6			
	58	-58.53633	99.41786	16.65545	2.96832	0.00000	1.16914
0.00100	57	58	59	6			
	59	-55.56862	99.47843	16.65545	2.96832	0.00000	1.16914
0.00100	58	59	60	6			
	60	-52.60092	99.53899	16.65545	2.96832	0.00000	1.16914
0.00100	59	60	61	6			
	61	-49.63322	99.59956	16.65545	2.96832	0.00000	1.16914

0.00100	60	61	62	6			
	62	-46.66552	99.66012	16.65545	2.96832	0.00000	1.16914
0.00100	61	62	63	6			
	63	-43.69782	99.72069	16.65545	2.96832	0.00000	1.16914
0.00100	62	63	64	6			
	64	-40.73012	99.78125	16.65545	2.96832	0.00000	1.16914
0.00100	63	64	65	6			
	65	-37.76241	99.84182	16.65545	2.96832	0.00000	1.16914
0.00100	64	65	66	6			
	66	-34.79471	99.90238	16.65545	2.96832	0.00000	1.16914
0.00100	65	66	0	6			
	67	68.13591	99.93267	16.65545	3.02826	0.00000	0.00000
0.00100	0	67	68	7			
	68	71.16417	99.93267	16.65545	3.02826	0.00000	0.00000
0.00100	67	68	69	7			
	69	74.19244	99.93267	16.65545	3.02826	0.00000	0.00000
0.00100	68	69	70	7			
	70	77.22070	99.93267	16.65545	3.02826	0.00000	0.00000
0.00100	69	70	71	7			
	71	80.24896	99.93267	16.65545	3.02826	0.00000	0.00000
0.00100	70	71	72	7			
	72	83.27722	99.93267	16.65545	3.02826	0.00000	0.00000
0.00100	71	72	73	7			
	73	86.30549	99.93267	16.65545	3.02826	0.00000	0.00000
0.00100	72	73	74	7			
	74	89.33375	99.93267	16.65545	3.02826	0.00000	0.00000
0.00100	73	74	75	7			
	75	92.36201	99.93267	16.65545	3.02826	0.00000	0.00000
0.00100	74	75	76	7			
	76	95.39027	99.93267	16.65545	3.02826	0.00000	0.00000
0.00100	75	76	77	7			
	77	98.41854	99.93267	16.65545	3.02826	0.00000	0.00000
0.00100	76	77	0	7			
	78	1.51413	99.93267	16.65545	3.02826	0.00000	0.00000
0.00100	0	78	79	8			
	79	4.54239	99.93267	16.65545	3.02826	0.00000	0.00000
0.00100	78	79	80	8			
	80	7.57066	99.93267	16.65545	3.02826	0.00000	0.00000
0.00100	79	80	81	8			
	81	10.59892	99.93267	16.65545	3.02826	0.00000	0.00000
0.00100	80	81	82	8			
	82	13.62718	99.93267	16.65545	3.02826	0.00000	0.00000
0.00100	81	82	83	8			
	83	16.65544	99.93267	16.65545	3.02826	0.00000	0.00000
0.00100	82	83	84	8			
	84	19.68371	99.93267	16.65545	3.02826	0.00000	0.00000
0.00100	83	84	85	8			
	85	22.71197	99.93267	16.65545	3.02826	0.00000	0.00000
0.00100	84	85	86	8			
	86	25.74023	99.93267	16.65545	3.02826	0.00000	0.00000
0.00100	85	86	87	8			
	87	28.76849	99.93267	16.65545	3.02826	0.00000	0.00000

0.00100	86	87	88	8				
	88	31.79676	99.93267	16.65545	3.02826	0.00000	0.00000	
0.00100	87	88	0	8				
	89	-48.77787	111.39055	16.96023	2.77098	0.00000	-90.40812	
0.00100	0	89	90	9				
	90	-48.79761	108.61964	16.96023	2.77098	0.00000	-90.40812	
0.00100	89	90	91	9				
	91	-48.81734	105.84873	16.96023	2.77098	0.00000	-90.40812	
0.00100	90	91	92	9				
	92	-48.83708	103.07782	16.96023	2.77098	0.00000	-90.40812	
0.00100	91	92	93	9				
	93	-48.85682	100.30691	16.96023	2.77098	0.00000	-90.40812	
0.00100	92	93	94	9				
	94	-48.87656	97.53600	16.96023	2.77098	0.00000	-90.40812	
0.00100	93	94	95	9				
	95	-48.89629	94.76509	16.96023	2.77098	0.00000	-90.40812	
0.00100	94	95	96	9				
	96	-48.91603	91.99418	16.96023	2.77098	0.00000	-90.40812	
0.00100	95	96	97	9				
	97	-48.93577	89.22327	16.96023	2.77098	0.00000	-90.40812	
0.00100	96	97	98	9				
	98	-48.95551	86.45236	16.96023	2.77098	0.00000	-90.40812	
0.00100	97	98	99	9				
	99	-48.97524	83.68145	16.96023	2.77098	0.00000	-90.40812	
0.00100	98	99	0	9				
	100	18.27813	111.39055	16.96023	2.77098	0.00000	-90.40812	
0.00100	0	100	101	10				
	101	18.25839	108.61964	16.96023	2.77098	0.00000	-90.40812	
0.00100	100	101	102	10				
	102	18.23866	105.84873	16.96023	2.77098	0.00000	-90.40812	
0.00100	101	102	103	10				
	103	18.21892	103.07782	16.96023	2.77098	0.00000	-90.40812	
0.00100	102	103	104	10				
	104	18.19918	100.30691	16.96023	2.77098	0.00000	-90.40812	
0.00100	103	104	105	10				
	105	18.17944	97.53600	16.96023	2.77098	0.00000	-90.40812	
0.00100	104	105	106	10				
	106	18.15971	94.76509	16.96023	2.77098	0.00000	-90.40812	
0.00100	105	106	107	10				
	107	18.13997	91.99418	16.96023	2.77098	0.00000	-90.40812	
0.00100	106	107	108	10				
	108	18.12023	89.22327	16.96023	2.77098	0.00000	-90.40812	
0.00100	107	108	109	10				
	109	18.10049	86.45236	16.96023	2.77098	0.00000	-90.40812	
0.00100	108	109	110	10				
	110	18.08076	83.68145	16.96023	2.77098	0.00000	-90.40812	
0.00100	109	110	0	10				
	111	82.28613	111.39055	16.96023	2.77098	0.00000	-90.40811	
0.00100	0	111	112	11				
	112	82.26639	108.61964	16.96023	2.77098	0.00000	-90.40811	
0.00100	111	112	113	11				
	113	82.24666	105.84873	16.96023	2.77098	0.00000	-90.40811	

0.00100	112	113	114	11			
	114	82.22692	103.07782	16.96023	2.77098	0.00000	-90.40811
0.00100	113	114	115	11			
	115	82.20718	100.30691	16.96023	2.77098	0.00000	-90.40811
0.00100	114	115	116	11			
	116	82.18744	97.53600	16.96023	2.77098	0.00000	-90.40811
0.00100	115	116	117	11			
	117	82.16771	94.76509	16.96023	2.77098	0.00000	-90.40811
0.00100	116	117	118	11			
	118	82.14797	91.99418	16.96023	2.77098	0.00000	-90.40811
0.00100	117	118	119	11			
	119	82.12823	89.22327	16.96023	2.77098	0.00000	-90.40811
0.00100	118	119	120	11			
	120	82.10849	86.45236	16.96023	2.77098	0.00000	-90.40811
0.00100	119	120	121	11			
	121	82.08876	83.68145	16.96023	2.77098	0.00000	-90.40811
0.00100	120	121	0	11			
	122	-48.77787	59.57455	16.96023	2.77098	0.00000	-90.40812
0.00100	0	122	123	12			
	123	-48.79761	56.80364	16.96023	2.77098	0.00000	-90.40812
0.00100	122	123	124	12			
	124	-48.81734	54.03273	16.96023	2.77098	0.00000	-90.40812
0.00100	123	124	125	12			
	125	-48.83708	51.26182	16.96023	2.77098	0.00000	-90.40812
0.00100	124	125	126	12			
	126	-48.85682	48.49091	16.96023	2.77098	0.00000	-90.40812
0.00100	125	126	127	12			
	127	-48.87656	45.72000	16.96023	2.77098	0.00000	-90.40812
0.00100	126	127	128	12			
	128	-48.89629	42.94909	16.96023	2.77098	0.00000	-90.40812
0.00100	127	128	129	12			
	129	-48.91603	40.17818	16.96023	2.77098	0.00000	-90.40812
0.00100	128	129	130	12			
	130	-48.93577	37.40727	16.96023	2.77098	0.00000	-90.40812
0.00100	129	130	131	12			
	131	-48.95551	34.63636	16.96023	2.77098	0.00000	-90.40812
0.00100	130	131	132	12			
	132	-48.97524	31.86545	16.96023	2.77098	0.00000	-90.40812
0.00100	131	132	0	12			
	133	82.28613	62.62255	16.96023	2.77098	0.00000	-90.40811
0.00100	0	133	134	13			
	134	82.26639	59.85164	16.96023	2.77098	0.00000	-90.40811
0.00100	133	134	135	13			
	135	82.24666	57.08073	16.96023	2.77098	0.00000	-90.40811
0.00100	134	135	136	13			
	136	82.22692	54.30982	16.96023	2.77098	0.00000	-90.40811
0.00100	135	136	137	13			
	137	82.20718	51.53891	16.96023	2.77098	0.00000	-90.40811
0.00100	136	137	138	13			
	138	82.18744	48.76800	16.96023	2.77098	0.00000	-90.40811
0.00100	137	138	139	13			
	139	82.16771	45.99709	16.96023	2.77098	0.00000	-90.40811

0.00100	138	139	140	13			
	140	82.14797	43.22618	16.96023	2.77098	0.00000	-90.40811
0.00100	139	140	141	13			
	141	82.12823	40.45527	16.96023	2.77098	0.00000	-90.40811
0.00100	140	141	142	13			
	142	82.10849	37.68436	16.96023	2.77098	0.00000	-90.40811
0.00100	141	142	143	13			
	143	82.08876	34.91345	16.96023	2.77098	0.00000	-90.40811
0.00100	142	143	0	13			
	144	-48.56076	13.85455	16.96023	2.77098	0.00000	-90.40812
0.00100	0	144	145	14			
	145	-48.58049	11.08364	16.96023	2.77098	0.00000	-90.40812
0.00100	144	145	146	14			
	146	-48.60023	8.31273	16.96023	2.77098	0.00000	-90.40812
0.00100	145	146	147	14			
	147	-48.61997	5.54182	16.96023	2.77098	0.00000	-90.40812
0.00100	146	147	148	14			
	148	-48.63971	2.77091	16.96023	2.77098	0.00000	-90.40812
0.00100	147	148	149	14			
	149	-48.65944	0.00000	16.96023	2.77098	0.00000	-90.40812
0.00100	148	149	150	14			
	150	-48.67918	-2.77091	16.96023	2.77098	0.00000	-90.40812
0.00100	149	150	151	14			
	151	-48.69892	-5.54182	16.96023	2.77098	0.00000	-90.40812
0.00100	150	151	152	14			
	152	-48.71866	-8.31273	16.96023	2.77098	0.00000	-90.40812
0.00100	151	152	153	14			
	153	-48.73839	-11.08364	16.96023	2.77098	0.00000	-90.40812
0.00100	152	153	154	14			
	154	-48.75813	-13.85455	16.96023	2.77098	0.00000	-90.40812
0.00100	153	154	0	14			
	155	18.49524	13.85455	16.96023	2.77098	0.00000	-90.40812
0.00100	0	155	156	15			
	156	18.47551	11.08364	16.96023	2.77098	0.00000	-90.40812
0.00100	155	156	157	15			
	157	18.45577	8.31273	16.96023	2.77098	0.00000	-90.40812
0.00100	156	157	158	15			
	158	18.43603	5.54182	16.96023	2.77098	0.00000	-90.40812
0.00100	157	158	159	15			
	159	18.41629	2.77091	16.96023	2.77098	0.00000	-90.40812
0.00100	158	159	160	15			
	160	18.39656	0.00000	16.96023	2.77098	0.00000	-90.40812
0.00100	159	160	161	15			
	161	18.37682	-2.77091	16.96023	2.77098	0.00000	-90.40812
0.00100	160	161	162	15			
	162	18.35708	-5.54182	16.96023	2.77098	0.00000	-90.40812
0.00100	161	162	163	15			
	163	18.33734	-8.31273	16.96023	2.77098	0.00000	-90.40812
0.00100	162	163	164	15			
	164	18.31761	-11.08364	16.96023	2.77098	0.00000	-90.40812
0.00100	163	164	165	15			
	165	18.29787	-13.85455	16.96023	2.77098	0.00000	-90.40812

0.00100	164	165	0	15				
	166	85.33413	13.85455	16.96023	2.77098	0.00000	-90.40811	
0.00100	0	166	167	17				
	167	85.31439	11.08364	16.96023	2.77098	0.00000	-90.40811	
0.00100	166	167	168	17				
	168	85.29466	8.31273	16.96023	2.77098	0.00000	-90.40811	
0.00100	167	168	169	17				
	169	85.27492	5.54182	16.96023	2.77098	0.00000	-90.40811	
0.00100	168	169	170	17				
	170	85.25518	2.77091	16.96023	2.77098	0.00000	-90.40811	
0.00100	169	170	171	17				
	171	85.23544	0.00000	16.96023	2.77098	0.00000	-90.40811	
0.00100	170	171	172	17				
	172	85.21571	-2.77091	16.96023	2.77098	0.00000	-90.40811	
0.00100	171	172	173	17				
	173	85.19597	-5.54182	16.96023	2.77098	0.00000	-90.40811	
0.00100	172	173	174	17				
	174	85.17623	-8.31273	16.96023	2.77098	0.00000	-90.40811	
0.00100	173	174	175	17				
	175	85.15649	-11.08364	16.96023	2.77098	0.00000	-90.40811	
0.00100	174	175	176	17				
	176	85.13676	-13.85455	16.96023	2.77098	0.00000	-90.40811	
0.00100	175	176	0	17				

*****	DATA	CARD NO.	1	EX	0	1	6	0	1.00000E+00
0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
*****	DATA	CARD NO.	2	EX	0	6	6	0	1.00000E+00
0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
*****	DATA	CARD NO.	3	EX	0	8	6	0	1.00000E+00
0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
*****	DATA	CARD NO.	4	EX	0	7	6	0	1.00000E+00
0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
*****	DATA	CARD NO.	5	EX	0	4	6	0	1.00000E+00
0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
*****	DATA	CARD NO.	6	EX	0	5	6	0	1.00000E+00
0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
*****	DATA	CARD NO.	7	EX	0	2	6	0	1.00000E+00
0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
*****	DATA	CARD NO.	8	EX	0	3	6	0	1.00000E+00
0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
*****	DATA	CARD NO.	9	EX	0	17	5	0	6.00000E-17
1.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
*****	DATA	CARD NO.	10	EX	0	9	6	0	6.00000E-17
1.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
*****	DATA	CARD NO.	11	EX	0	10	6	0	6.00000E-17
1.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
*****	DATA	CARD NO.	12	EX	0	11	6	0	6.00000E-17

1.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
***** DATA CARD NO. 13	EX	0	14	6	0
6.00000E-17					
1.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
***** DATA CARD NO. 14	EX	0	15	6	0
6.00000E-17					
1.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
***** DATA CARD NO. 15	EX	0	13	6	0
6.00000E-17					
1.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
***** DATA CARD NO. 16	EX	0	12	6	0
6.00000E-17					
1.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
***** DATA CARD NO. 17	GN	1	0	0	0
0.00000E+00					
0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
***** DATA CARD NO. 18	FR	0	1	0	0
4.50000E+00					
0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
***** DATA CARD NO. 19	RP	0	19	73	1003
-9.00000E+01					
0.00000E+00	5.00000E+00	5.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

- - - - - FREQUENCY - - - - -

FREQUENCY= 4.5000E+00 MHZ  
WAVELENGTH= 6.6622E+01 METERS

APPROXIMATE INTEGRATION EMPLOYED FOR SEGMENTS MORE  
THAN 1.000 WAVELENGTHS APART

- - - STRUCTURE IMPEDANCE LOADING - - -

THIS STRUCTURE IS NOT LOADED

- - - ANTENNA ENVIRONMENT - - -

PERFECT GROUND

- - - MATRIX TIMING - - -

FILL= 0.063 SEC., FACTOR= 0.000 SEC.

- - - ANTENNA INPUT PARAMETERS

- - -

TAG	SEG.	VOLTAGE (VOLTS)		CURRENT (AMPS)		
IMPEDANCE (OHMS)		ADMITTANCE (MHOS)		POWER		
NO.	NO.	REAL	IMAG.	REAL	IMAG.	REAL
IMAG.	REAL	IMAG.	(WATTS)			
1	6	1.00000E+00	0.00000E+00	7.47098E-03	-5.59137E-03	8.57954E+01
6.42103E+01		7.47098E-03	-5.59137E-03	3.73549E-03		
6	61	1.00000E+00	0.00000E+00	1.68898E-02	-2.08847E-03	5.83156E+01
7.21088E+00		1.68898E-02	-2.08847E-03	8.44491E-03		
8	83	1.00000E+00	0.00000E+00	7.77563E-03	-5.26256E-03	8.82041E+01
5.96967E+01		7.77563E-03	-5.26256E-03	3.88781E-03		
7	72	1.00000E+00	0.00000E+00	6.64520E-03	-7.30977E-03	6.80920E+01
7.49017E+01		6.64520E-03	-7.30977E-03	3.32260E-03		
4	39	1.00000E+00	0.00000E+00	1.28221E-02	-6.88474E-03	6.05371E+01
3.25051E+01		1.28221E-02	-6.88474E-03	6.41104E-03		
5	50	1.00000E+00	0.00000E+00	7.14178E-03	-8.74738E-03	5.60044E+01
6.85952E+01		7.14178E-03	-8.74738E-03	3.57089E-03		
2	17	1.00000E+00	0.00000E+00	8.95091E-03	-5.89485E-03	7.79234E+01
5.13184E+01		8.95091E-03	-5.89485E-03	4.47546E-03		
3	28	1.00000E+00	0.00000E+00	9.21024E-03	-6.20023E-03	7.47152E+01
5.02974E+01		9.21024E-03	-6.20023E-03	4.60512E-03		
17	170	6.00000E-17	1.00000E+00	-6.75217E-03	6.03291E-03	
7.35830E+01		-8.23558E+01	6.03291E-03	6.75217E-03	3.01646E-03	
9	94	6.00000E-17	1.00000E+00	-8.65524E-03	6.58960E-03	
5.56855E+01		-7.31412E+01	6.58960E-03	8.65524E-03	3.29480E-03	
10	105	6.00000E-17	1.00000E+00	-9.24465E-03	6.78417E-03	
5.15952E+01		-7.03077E+01	6.78417E-03	9.24465E-03	3.39208E-03	
11	116	6.00000E-17	1.00000E+00	-6.09402E-03	3.81261E-03	
7.37833E+01		-1.17934E+02	3.81261E-03	6.09402E-03	1.90630E-03	
14	149	6.00000E-17	1.00000E+00	-6.93353E-03	6.76481E-03	
7.20915E+01		-7.38895E+01	6.76481E-03	6.93353E-03	3.38240E-03	
15	160	6.00000E-17	1.00000E+00	-7.91170E-03	8.19450E-03	
6.31586E+01		-6.09789E+01	8.19450E-03	7.91170E-03	4.09725E-03	
13	138	6.00000E-17	1.00000E+00	-6.13725E-03	7.08835E-03	
8.06315E+01		-6.98125E+01	7.08835E-03	6.13725E-03	3.54417E-03	
12	127	6.00000E-17	1.00000E+00	-5.21506E-03	5.75319E-03	
9.54157E+01		-8.64910E+01	5.75319E-03	5.21506E-03	2.87659E-03	

- - - CURRENTS AND LOCATION - - -

DISTANCES IN WAVELENGTHS

SEG.	TAG	COORD. OF SEG. CENTER			SEG.	- - - CURRENT	
(AMPS)	- - -						
NO.	NO.	X	Y	Z	LENGTH	REAL	IMAG.
MAG.		PHASE					
1	1	0.0260	0.0000	0.2500	0.04545	1.1646E-03	
-1.0020E-03		1.5363E-03	-40.707				
2	1	0.0714	0.0000	0.2500	0.04545	3.2385E-03	



-2.7277E-03	4.2342E-03	-40.107					
3	1	0.1169	0.0000	0.2500	0.04545	4.9934E-03	
-4.1086E-03	6.4664E-03	-39.448					
4	1	0.1623	0.0000	0.2500	0.04545	6.3415E-03	
-5.0783E-03	8.1243E-03	-38.688					
5	1	0.2078	0.0000	0.2500	0.04545	7.1889E-03	
-5.5638E-03	9.0904E-03	-37.738					
6	1	0.2533	0.0000	0.2500	0.04545	7.4710E-03	
-5.5914E-03	9.3316E-03	-36.812					
7	1	0.2987	0.0000	0.2500	0.04545	7.1623E-03	
-5.5499E-03	9.0609E-03	-37.771					
8	1	0.3442	0.0000	0.2500	0.04545	6.3047E-03	
-5.0587E-03	8.0833E-03	-38.742					
9	1	0.3896	0.0000	0.2500	0.04545	4.9566E-03	
-4.0890E-03	6.4255E-03	-39.521					
10	1	0.4351	0.0000	0.2500	0.04545	3.2099E-03	
-2.7125E-03	4.2026E-03	-40.199					
11	1	0.4805	0.0000	0.2500	0.04545	1.1526E-03	
-9.9566E-04	1.5231E-03	-40.820					
12	2	-0.9773	0.0000	0.2500	0.04545	1.4018E-03	
-1.0513E-03	1.7523E-03	-36.869					
13	2	-0.9318	0.0000	0.2500	0.04545	3.8922E-03	
-2.8646E-03	4.8327E-03	-36.352					
14	2	-0.8864	0.0000	0.2500	0.04545	5.9938E-03	
-4.3182E-03	7.3873E-03	-35.770					
15	2	-0.8409	0.0000	0.2500	0.04545	7.6050E-03	
-5.3421E-03	9.2938E-03	-35.086					
16	2	-0.7954	0.0000	0.2500	0.04545	8.6155E-03	
-5.8598E-03	1.0419E-02	-34.221					
17	2	-0.7500	0.0000	0.2500	0.04545	8.9509E-03	
-5.8948E-03	1.0718E-02	-33.368					
18	2	-0.7045	0.0000	0.2500	0.04545	8.5819E-03	
-5.8345E-03	1.0377E-02	-34.210					
19	2	-0.6591	0.0000	0.2500	0.04545	7.5534E-03	
-5.3039E-03	9.2296E-03	-35.076					
20	2	-0.6136	0.0000	0.2500	0.04545	5.9377E-03	
-4.2779E-03	7.3182E-03	-35.771					
21	2	-0.5682	0.0000	0.2500	0.04545	3.8457E-03	
-2.8325E-03	4.7762E-03	-36.373					
22	2	-0.5227	0.0000	0.2500	0.04545	1.3814E-03	
-1.0379E-03	1.7279E-03	-36.919					
23	3	1.0227	0.0000	0.2500	0.04545	1.4363E-03	
-1.0987E-03	1.8084E-03	-37.413					
24	3	1.0682	0.0000	0.2500	0.04545	3.9959E-03	
-2.9959E-03	4.9943E-03	-36.860					
25	3	1.1136	0.0000	0.2500	0.04545	6.1637E-03	
-4.5209E-03	7.6439E-03	-36.259					
26	3	1.1591	0.0000	0.2500	0.04545	7.8300E-03	
-5.6003E-03	9.6266E-03	-35.574					
27	3	1.2045	0.0000	0.2500	0.04545	8.8752E-03	
-6.1533E-03	1.0800E-02	-34.734					
28	3	1.2500	0.0000	0.2500	0.04545	9.2102E-03	

-6.2002E-03	1.1103E-02	-33.948					
29	3	1.2954	0.0000	0.2500	0.04545	8.7930E-03	
-6.1285E-03	1.0718E-02	-34.876					
30	3	1.3409	0.0000	0.2500	0.04545	7.7572E-03	
-5.5686E-03	9.5490E-03	-35.673					
31	3	1.3864	0.0000	0.2500	0.04545	6.1235E-03	
-4.4911E-03	7.5938E-03	-36.257					
32	3	1.4318	0.0000	0.2500	0.04545	3.9837E-03	
-2.9735E-03	4.9711E-03	-36.738					
33	3	1.4773	0.0000	0.2500	0.04545	1.4376E-03	
-1.0894E-03	1.8038E-03	-37.156					
34	4	-0.9773	0.7500	0.2500	0.04545	1.9951E-03	
-1.1972E-03	2.3268E-03	-30.967					
35	4	-0.9318	0.7500	0.2500	0.04545	5.5371E-03	
-3.2668E-03	6.4290E-03	-30.540					
36	4	-0.8864	0.7500	0.2500	0.04545	8.5251E-03	
-4.9339E-03	9.8498E-03	-30.060					
37	4	-0.8409	0.7500	0.2500	0.04545	1.0819E-02	
-6.1215E-03	1.2430E-02	-29.503					
38	4	-0.7954	0.7500	0.2500	0.04545	1.2271E-02	
-6.7521E-03	1.4006E-02	-28.821					
39	4	-0.7500	0.7500	0.2500	0.04545	1.2822E-02	
-6.8847E-03	1.4554E-02	-28.233					
40	4	-0.7045	0.7500	0.2500	0.04545	1.2526E-02	
-6.9954E-03	1.4347E-02	-29.181					
41	4	-0.6591	0.7500	0.2500	0.04545	1.1152E-02	
-6.4353E-03	1.2875E-02	-29.987					
42	4	-0.6136	0.7500	0.2500	0.04545	8.8319E-03	
-5.2168E-03	1.0258E-02	-30.569					
43	4	-0.5682	0.7500	0.2500	0.04545	5.7552E-03	
-3.4626E-03	6.7166E-03	-31.033					
44	4	-0.5227	0.7500	0.2500	0.04545	2.0788E-03	
-1.2699E-03	2.4360E-03	-31.421					
45	5	1.0227	0.7500	0.2500	0.04545	1.0803E-03	
-1.4485E-03	1.8070E-03	-53.284					
46	5	1.0682	0.7500	0.2500	0.04545	3.0073E-03	
-3.9849E-03	4.9924E-03	-52.959					
47	5	1.1136	0.7500	0.2500	0.04545	4.6475E-03	
-6.0727E-03	7.6470E-03	-52.573					
48	5	1.1591	0.7500	0.2500	0.04545	5.9261E-03	
-7.6116E-03	9.6465E-03	-52.097					
49	5	1.2045	0.7500	0.2500	0.04545	6.7715E-03	
-8.5000E-03	1.0868E-02	-51.457					
50	5	1.2500	0.7500	0.2500	0.04545	7.1418E-03	
-8.7474E-03	1.1293E-02	-50.770					
51	5	1.2954	0.7500	0.2500	0.04545	6.8708E-03	
-8.6193E-03	1.1023E-02	-51.440					
52	5	1.3409	0.7500	0.2500	0.04545	6.0448E-03	
-7.7742E-03	9.8478E-03	-52.133					
53	5	1.3864	0.7500	0.2500	0.04545	4.7477E-03	
-6.2292E-03	7.8322E-03	-52.686					
54	5	1.4318	0.7500	0.2500	0.04545	3.0726E-03	

-4.1009E-03	5.1243E-03	-53.158					
55	5	1.4773	0.7500	0.2500	0.04545	1.1031E-03	
-1.4948E-03	1.8578E-03	-53.575					
56	6	-0.9677	1.4904	0.2500	0.04455	2.6852E-03	
-4.6258E-04	2.7247E-03	-9.774					
57	6	-0.9232	1.4914	0.2500	0.04455	7.4172E-03	
-1.2204E-03	7.5169E-03	-9.344					
58	6	-0.8786	1.4923	0.2500	0.04455	1.1373E-02	
-1.7730E-03	1.1510E-02	-8.861					
59	6	-0.8341	1.4932	0.2500	0.04455	1.4377E-02	
-2.0983E-03	1.4530E-02	-8.303					
60	6	-0.7895	1.4941	0.2500	0.04455	1.6244E-02	
-2.1745E-03	1.6389E-02	-7.625					
61	6	-0.7450	1.4950	0.2500	0.04455	1.6890E-02	
-2.0885E-03	1.7018E-02	-7.049					
62	6	-0.7004	1.4959	0.2500	0.04455	1.6404E-02	
-2.3174E-03	1.6567E-02	-8.041					
63	6	-0.6559	1.4968	0.2500	0.04455	1.4574E-02	
-2.2876E-03	1.4752E-02	-8.921					
64	6	-0.6114	1.4977	0.2500	0.04455	1.1539E-02	
-1.9485E-03	1.1703E-02	-9.584					
65	6	-0.5668	1.4986	0.2500	0.04455	7.5248E-03	
-1.3455E-03	7.6441E-03	-10.138					
66	6	-0.5223	1.4995	0.2500	0.04455	2.7219E-03	
-5.1066E-04	2.7694E-03	-10.626					
67	7	1.0227	1.5000	0.2500	0.04545	9.5799E-04	
-1.2287E-03	1.5580E-03	-52.056					
68	7	1.0682	1.5000	0.2500	0.04545	2.6851E-03	
-3.3688E-03	4.3080E-03	-51.443					
69	7	1.1136	1.5000	0.2500	0.04545	4.1790E-03	
-5.1174E-03	6.6069E-03	-50.764					
70	7	1.1591	1.5000	0.2500	0.04545	5.3711E-03	
-6.3939E-03	8.3505E-03	-49.968					
71	7	1.2045	1.5000	0.2500	0.04545	6.2038E-03	
-7.1171E-03	9.4415E-03	-48.922					
72	7	1.2500	1.5000	0.2500	0.04545	6.6452E-03	
-7.3098E-03	9.8788E-03	-47.726					
73	7	1.2954	1.5000	0.2500	0.04545	6.4259E-03	
-7.2368E-03	9.6780E-03	-48.397					
74	7	1.3409	1.5000	0.2500	0.04545	5.6638E-03	
-6.5543E-03	8.6624E-03	-49.169					
75	7	1.3864	1.5000	0.2500	0.04545	4.4532E-03	
-5.2684E-03	6.8983E-03	-49.793					
76	7	1.4318	1.5000	0.2500	0.04545	2.8843E-03	
-3.4777E-03	4.5181E-03	-50.329					
77	7	1.4773	1.5000	0.2500	0.04545	1.0361E-03	
-1.2707E-03	1.6396E-03	-50.806					
78	8	0.0227	1.5000	0.2500	0.04545	1.1736E-03	
-9.3321E-04	1.4994E-03	-38.491					
79	8	0.0682	1.5000	0.2500	0.04545	3.2735E-03	
-2.5375E-03	4.1418E-03	-37.782					
80	8	0.1136	1.5000	0.2500	0.04545	5.0655E-03	

-3.8198E-03	6.3443E-03	-37.019					
81	8	0.1591	1.5000	0.2500	0.04545	6.4629E-03	
-4.7228E-03	8.0046E-03	-36.158					
82	8	0.2045	1.5000	0.2500	0.04545	7.3767E-03	
-5.1863E-03	9.0173E-03	-35.110					
83	8	0.2500	1.5000	0.2500	0.04545	7.7756E-03	
-5.2626E-03	9.3891E-03	-34.090					
84	8	0.2955	1.5000	0.2500	0.04545	7.6937E-03	
-5.3765E-03	9.3861E-03	-34.946					
85	8	0.3409	1.5000	0.2500	0.04545	6.8752E-03	
-4.9669E-03	8.4817E-03	-35.845					
86	8	0.3864	1.5000	0.2500	0.04545	5.4483E-03	
-4.0406E-03	6.7831E-03	-36.561					
87	8	0.4318	1.5000	0.2500	0.04545	3.5492E-03	
-2.6914E-03	4.4542E-03	-37.173					
88	8	0.4773	1.5000	0.2500	0.04545	1.2808E-03	
-9.9074E-04	1.6193E-03	-37.723					
89	9	-0.7322	1.6720	0.2546	0.04159	-1.3066E-03	
1.0624E-03	1.6840E-03	140.886					
90	9	-0.7325	1.6304	0.2546	0.04159	-3.6255E-03	
2.9088E-03	4.6482E-03	141.259					
91	9	-0.7327	1.5888	0.2546	0.04159	-5.6062E-03	
4.4319E-03	7.1464E-03	141.672					
92	9	-0.7330	1.5472	0.2546	0.04159	-7.1770E-03	
5.5799E-03	9.0909E-03	142.136					
93	9	-0.7333	1.5056	0.2546	0.04159	-8.2436E-03	
6.2994E-03	1.0375E-02	142.614					
94	9	-0.7336	1.4640	0.2546	0.04159	-8.6552E-03	
6.5896E-03	1.0878E-02	142.716					
95	9	-0.7339	1.4224	0.2546	0.04159	-8.1039E-03	
6.3725E-03	1.0309E-02	141.821					
96	9	-0.7342	1.3808	0.2546	0.04159	-6.9865E-03	
5.6623E-03	8.9929E-03	140.977					
97	9	-0.7345	1.3392	0.2546	0.04159	-5.4204E-03	
4.5039E-03	7.0474E-03	140.276					
98	9	-0.7348	1.2977	0.2546	0.04159	-3.4856E-03	
2.9608E-03	4.5733E-03	139.654					
99	9	-0.7351	1.2561	0.2546	0.04159	-1.2498E-03	
1.0835E-03	1.6540E-03	139.078					
100	10	0.2744	1.6720	0.2546	0.04159	-1.3838E-03	
1.1091E-03	1.7734E-03	141.289					
101	10	0.2741	1.6304	0.2546	0.04159	-3.8425E-03	
3.0318E-03	4.8945E-03	141.726					
102	10	0.2738	1.5888	0.2546	0.04159	-5.9458E-03	
4.6096E-03	7.5233E-03	142.215					
103	10	0.2735	1.5472	0.2546	0.04159	-7.6171E-03	
5.7865E-03	9.5658E-03	142.777					
104	10	0.2732	1.5056	0.2546	0.04159	-8.7619E-03	
6.5067E-03	1.0914E-02	143.402					
105	10	0.2729	1.4640	0.2546	0.04159	-9.2446E-03	
6.7842E-03	1.1467E-02	143.727					
106	10	0.2726	1.4224	0.2546	0.04159	-8.7086E-03	

6.5498E-03	1.0897E-02	143.053					
107	10	0.2723	1.3808	0.2546	0.04159	-7.5491E-03	
5.8131E-03	9.5279E-03	142.402					
108	10	0.2720	1.3392	0.2546	0.04159	-5.8867E-03	
4.6185E-03	7.4822E-03	141.883					
109	10	0.2717	1.2977	0.2546	0.04159	-3.8042E-03	
3.0320E-03	4.8647E-03	141.445					
110	10	0.2714	1.2561	0.2546	0.04159	-1.3709E-03	
1.1077E-03	1.7624E-03	141.062					
111	11	1.2351	1.6720	0.2546	0.04159	-8.6423E-04	
5.9618E-04	1.0499E-03	145.400					
112	11	1.2348	1.6304	0.2546	0.04159	-2.4024E-03	
1.6368E-03	2.9070E-03	145.733					
113	11	1.2345	1.5888	0.2546	0.04159	-3.7255E-03	
2.5026E-03	4.4881E-03	146.108					
114	11	1.2342	1.5472	0.2546	0.04159	-4.7930E-03	
3.1666E-03	5.7446E-03	146.548					
115	11	1.2339	1.5056	0.2546	0.04159	-5.5829E-03	
3.6034E-03	6.6448E-03	147.160					
116	11	1.2336	1.4640	0.2546	0.04159	-6.0940E-03	
3.8126E-03	7.1884E-03	147.969					
117	11	1.2333	1.4224	0.2546	0.04159	-5.7737E-03	
3.7174E-03	6.8669E-03	147.224					
118	11	1.2330	1.3808	0.2546	0.04159	-5.0029E-03	
3.3228E-03	6.0058E-03	146.409					
119	11	1.2327	1.3392	0.2546	0.04159	-3.8962E-03	
2.6560E-03	4.7154E-03	145.718					
120	11	1.2324	1.2977	0.2546	0.04159	-2.5133E-03	
1.7541E-03	3.0649E-03	145.088					
121	11	1.2322	1.2561	0.2546	0.04159	-9.0373E-04	
6.4485E-04	1.1102E-03	144.490					
122	12	-0.7322	0.8942	0.2546	0.04159	-7.4626E-04	
9.3478E-04	1.1961E-03	128.601					
123	12	-0.7325	0.8526	0.2546	0.04159	-2.0890E-03	
2.5552E-03	3.3004E-03	129.267					
124	12	-0.7327	0.8110	0.2546	0.04159	-3.2588E-03	
3.8886E-03	5.0735E-03	129.964					
125	12	-0.7330	0.7694	0.2546	0.04159	-4.2052E-03	
4.8956E-03	6.4538E-03	130.662					
126	12	-0.7333	0.7278	0.2546	0.04159	-4.8695E-03	
5.5380E-03	7.3744E-03	131.325					
127	12	-0.7336	0.6863	0.2546	0.04159	-5.2151E-03	
5.7532E-03	7.7651E-03	132.191					
128	12	-0.7339	0.6447	0.2546	0.04159	-4.8460E-03	
5.5396E-03	7.3601E-03	131.179					
129	12	-0.7342	0.6031	0.2546	0.04159	-4.1393E-03	
4.9115E-03	6.4232E-03	130.124					
130	12	-0.7345	0.5615	0.2546	0.04159	-3.1899E-03	
3.9030E-03	5.0407E-03	129.259					
131	12	-0.7348	0.5199	0.2546	0.04159	-2.0409E-03	
2.5657E-03	3.2785E-03	128.500					
132	12	-0.7351	0.4783	0.2546	0.04159	-7.2912E-04	

9.3969E-04	1.1894E-03	127.809					
133	13	1.2351	0.9400	0.2546	0.04159	-8.5820E-04	
1.1257E-03	1.4155E-03	127.321					
134	13	1.2348	0.8984	0.2546	0.04159	-2.3990E-03	
3.0868E-03	3.9094E-03	127.854					
135	13	1.2345	0.8568	0.2546	0.04159	-3.7441E-03	
4.7152E-03	6.0209E-03	128.451					
136	13	1.2342	0.8152	0.2546	0.04159	-4.8518E-03	
5.9607E-03	7.6857E-03	129.145					
137	13	1.2339	0.7736	0.2546	0.04159	-5.6792E-03	
6.7642E-03	8.8322E-03	130.017					
138	13	1.2336	0.7320	0.2546	0.04159	-6.1372E-03	
7.0883E-03	9.3761E-03	130.887					
139	13	1.2333	0.6904	0.2546	0.04159	-5.7500E-03	
6.8497E-03	8.9432E-03	130.012					
140	13	1.2330	0.6488	0.2546	0.04159	-4.9345E-03	
6.0773E-03	7.8283E-03	129.075					
141	13	1.2327	0.6072	0.2546	0.04159	-3.8110E-03	
4.8262E-03	6.1495E-03	128.296					
142	13	1.2324	0.5656	0.2546	0.04159	-2.4399E-03	
3.1678E-03	3.9986E-03	127.604					
143	13	1.2322	0.5241	0.2546	0.04159	-8.7132E-04	
1.1576E-03	1.4489E-03	126.968					
144	14	-0.7289	0.2080	0.2546	0.04159	-1.0173E-03	
1.1155E-03	1.5097E-03	132.363					
145	14	-0.7292	0.1664	0.2546	0.04159	-2.8341E-03	
3.0468E-03	4.1611E-03	132.929					
146	14	-0.7295	0.1248	0.2546	0.04159	-4.4022E-03	
4.6327E-03	6.3907E-03	133.538					
147	14	-0.7298	0.0832	0.2546	0.04159	-5.6644E-03	
5.8215E-03	8.1225E-03	134.216					
148	14	-0.7301	0.0416	0.2546	0.04159	-6.5489E-03	
6.5469E-03	9.2601E-03	135.009					
149	14	-0.7304	0.0000	0.2546	0.04159	-6.9335E-03	
6.7648E-03	9.6869E-03	135.706					
150	14	-0.7307	-0.0416	0.2546	0.04159	-6.4587E-03	
6.4758E-03	9.1461E-03	134.924					
151	14	-0.7310	-0.0832	0.2546	0.04159	-5.5457E-03	
5.7113E-03	7.9607E-03	134.157					
152	14	-0.7313	-0.1248	0.2546	0.04159	-4.2936E-03	
4.5150E-03	6.2305E-03	133.560					
153	14	-0.7316	-0.1664	0.2546	0.04159	-2.7579E-03	
2.9514E-03	4.0395E-03	133.059					
154	14	-0.7319	-0.2080	0.2546	0.04159	-9.8845E-04	
1.0742E-03	1.4598E-03	132.620					
155	15	0.2776	0.2080	0.2546	0.04159	-1.1822E-03	
1.3337E-03	1.7822E-03	131.554					
156	15	0.2773	0.1664	0.2546	0.04159	-3.2822E-03	
3.6547E-03	4.9122E-03	131.926					
157	15	0.2770	0.1248	0.2546	0.04159	-5.0797E-03	
5.5728E-03	7.5406E-03	132.350					
158	15	0.2767	0.0832	0.2546	0.04159	-6.5113E-03	

7.0201E-03	9.5749E-03	132.846					
159	15	0.2764	0.0416	0.2546	0.04159	-7.4974E-03	
7.9128E-03	1.0901E-02	133.456					
160	15	0.2761	0.0000	0.2546	0.04159	-7.9117E-03	
8.1945E-03	1.1391E-02	133.994					
161	15	0.2758	-0.0416	0.2546	0.04159	-7.3931E-03	
7.8608E-03	1.0791E-02	133.244					
162	15	0.2755	-0.0832	0.2546	0.04159	-6.3660E-03	
6.9449E-03	9.4211E-03	132.510					
163	15	0.2752	-0.1248	0.2546	0.04159	-4.9382E-03	
5.4985E-03	7.3905E-03	131.927					
164	15	0.2749	-0.1664	0.2546	0.04159	-3.1764E-03	
3.5994E-03	4.8006E-03	131.427					
165	15	0.2747	-0.2080	0.2546	0.04159	-1.1396E-03	
1.3117E-03	1.7376E-03	130.983					
166	17	1.2809	0.2080	0.2546	0.04159	-1.0539E-03	
1.0310E-03	1.4744E-03	135.629					
167	17	1.2806	0.1664	0.2546	0.04159	-2.9402E-03	
2.8150E-03	4.0705E-03	136.246					
168	17	1.2803	0.1248	0.2546	0.04159	-4.5721E-03	
4.2782E-03	6.2616E-03	136.902					
169	17	1.2800	0.0832	0.2546	0.04159	-5.8910E-03	
5.3719E-03	7.9725E-03	137.639					
170	17	1.2797	0.0416	0.2546	0.04159	-6.7522E-03	
6.0329E-03	9.0547E-03	138.220					
171	17	1.2794	0.0000	0.2546	0.04159	-6.7192E-03	
6.2183E-03	9.1551E-03	137.217					
172	17	1.2791	-0.0416	0.2546	0.04159	-6.2021E-03	
5.9383E-03	8.5866E-03	136.245					
173	17	1.2788	-0.0832	0.2546	0.04159	-5.3322E-03	
5.2307E-03	7.4695E-03	135.550					
174	17	1.2785	-0.1248	0.2546	0.04159	-4.1342E-03	
4.1329E-03	5.8458E-03	135.009					
175	17	1.2782	-0.1664	0.2546	0.04159	-2.6598E-03	
2.7014E-03	3.7911E-03	134.556					
176	17	1.2779	-0.2080	0.2546	0.04159	-9.5492E-04	
9.8331E-04	1.3707E-03	134.161					

- - - POWER BUDGET - - -

WATTS

INPUT POWER = 6.3963E-02

WATTS

RADIATED POWER= 6.3963E-02

WATTS

STRUCTURE LOSS= 0.0000E+00

WATTS

NETWORK LOSS = 0.0000E+00

PERCENT

EFFICIENCY = 100.00

- - - RADIATION PATTERNS

- - -

- - ANGLES - -		- POWER GAINS -			- - - POLARIZATION - -	
- - - E (THETA) - - -		- - - E (PHI) - - -				
THETA	PHI	VERT.	HOR.	TOTAL	AXIAL	TILT
SENSE	MAGNITUDE	PHASE		MAGNITUDE	PHASE	
DEGREES	DEGREES	DB	DB	DB	RATIO	DEG.
VOLTS/M	DEGREES	VOLTS/M		DEGREES		
-90.00	0.00	-999.99	-999.99	-999.99	0.00000	0.00
3.60508E-22	-124.21	6.83351E-11		41.89		
-85.00	0.00	-25.38	-4.53	-4.50	0.02146	84.96
RIGHT	1.05380E-01	-124.01		1.16205E+00	-137.80	
-80.00	0.00	-13.37	1.32	1.47	0.04169	79.83
RIGHT	4.20019E-01	-123.39		2.28029E+00	-136.90	
-75.00	0.00	-6.46	4.50	4.84	0.05939	74.52
RIGHT	9.31063E-01	-122.36		3.28855E+00	-135.41	
-70.00	0.00	-1.80	6.38	7.00	0.07321	69.04
RIGHT	1.59151E+00	-120.96		4.08331E+00	-133.39	
-65.00	0.00	1.36	7.27	8.26	0.08186	63.43
RIGHT	2.29103E+00	-119.26		4.52440E+00	-130.90	
-60.00	0.00	3.22	7.15	8.62	0.08416	57.73
RIGHT	2.83657E+00	-117.47		4.45917E+00	-128.10	
-55.00	0.00	3.61	5.70	7.79	0.07858	51.91
RIGHT	2.96695E+00	-116.17		3.77338E+00	-125.42	
-50.00	0.00	1.87	1.99	4.94	0.06135	45.41
RIGHT	2.42828E+00	-117.36		2.46324E+00	-124.38	
-45.00	0.00	-4.39	-8.33	-2.92	0.04948	32.39
RIGHT	1.18082E+00	-135.59		7.50995E-01	-141.85	
-40.00	0.00	-2.90	-3.45	-0.15	0.24902	42.95
RIGHT	1.40304E+00	119.74		1.31712E+00	91.72	
-35.00	0.00	5.22	3.06	7.28	0.13605	37.68
RIGHT	3.57168E+00	103.70		2.78526E+00	87.71	
-30.00	0.00	8.56	4.67	10.05	0.10051	32.31
RIGHT	5.24601E+00	103.71		3.35252E+00	91.04	
-25.00	0.00	8.92	2.61	9.83	0.07551	25.55
RIGHT	5.46649E+00	105.88		2.64354E+00	94.84	
-20.00	0.00	5.52	-9.20	5.67	0.06679	9.71
RIGHT	3.69861E+00	105.31		6.79169E-01	83.33	
-15.00	0.00	-6.58	1.34	1.99	0.40090	88.67
RIGHT	9.17907E-01	27.67		2.28591E+00	-59.55	
-10.00	0.00	7.90	8.65	11.30	0.15382	47.58
RIGHT	4.86319E+00	-38.81		5.29952E+00	-56.36	
-5.00	0.00	13.25	11.75	15.58	0.10381	39.98
RIGHT	9.00195E+00	-38.01		7.57772E+00	-50.04	
0.00	0.00	15.20	12.67	17.13	0.07901	36.67
RIGHT	1.12654E+01	-33.66		8.42160E+00	-43.09	
-90.00	5.00	-999.99	-999.99	-999.99	0.00000	0.00
3.75760E-22	-149.46	6.04556E-11		18.49		



-85.00	5.00	-25.03	-5.61	-5.56	0.02182	84.03	
RIGHT	1.09709E-01	-149.19	1.02678E+00	-161.10			
-80.00	5.00	-13.05	0.22	0.42	0.04133	77.97	
RIGHT	4.35770E-01	-148.40	2.00759E+00	-159.88			
-75.00	5.00	-6.19	3.34	3.80	0.05637	71.78	
RIGHT	9.60766E-01	-147.08	2.87792E+00	-157.86			
-70.00	5.00	-1.59	5.15	5.98	0.06516	65.50	
RIGHT	1.63067E+00	-145.27	3.54297E+00	-155.11			
-65.00	5.00	1.50	5.94	7.27	0.06638	59.19	
RIGHT	2.32693E+00	-143.08	3.88026E+00	-151.69			
-60.00	5.00	3.26	5.67	7.64	0.05898	52.92	
RIGHT	2.84960E+00	-140.77	3.76260E+00	-147.78			
-55.00	5.00	3.52	4.00	6.78	0.04075	46.59	
RIGHT	2.93592E+00	-139.10	3.10349E+00	-143.77			
-50.00	5.00	1.56	-0.18	3.79	0.00345	39.29	
RIGHT	2.34430E+00	-140.79	1.91805E+00	-141.20			
-45.00	5.00	-4.78	-13.20	-4.20	0.00878	20.76	LEFT
1.12962E+00	-166.32	4.28250E-01	-164.80				
-40.00	5.00	-1.14	-3.63	0.80	0.26340	35.64	
RIGHT	1.71758E+00	102.00	1.28899E+00	71.14			
-35.00	5.00	5.98	2.03	7.45	0.13536	31.91	
RIGHT	3.89649E+00	89.42	2.47443E+00	72.34			
-30.00	5.00	8.99	3.19	10.01	0.09032	26.81	
RIGHT	5.51597E+00	90.78	2.82827E+00	78.03			
-25.00	5.00	9.14	0.48	9.69	0.06075	20.01	
RIGHT	5.60717E+00	94.32	2.06999E+00	83.58			
-20.00	5.00	5.42	-16.18	5.45	0.05630	3.51	
RIGHT	3.65359E+00	94.48	3.04148E-01	51.72			
-15.00	5.00	-5.05	1.57	2.42	0.43725	80.54	
RIGHT	1.09475E+00	5.19	2.34565E+00	-68.11			
-10.00	5.00	8.79	8.01	11.43	0.15763	42.29	
RIGHT	5.38696E+00	-43.89	4.92307E+00	-61.88			
-5.00	5.00	13.86	10.82	15.61	0.10359	34.94	
RIGHT	9.65733E+00	-40.80	6.80381E+00	-53.37			
0.00	5.00	15.71	11.57	17.13	0.07901	31.67	
RIGHT	1.19473E+01	-34.24	7.42269E+00	-44.33			
-90.00	10.00	-999.99	-999.99	-999.99	0.00000	0.00	
3.40976E-22	-174.34	4.52945E-11	-3.57				
-85.00	10.00	-25.88	-8.13	-8.05	0.01994	82.71	
RIGHT	9.94651E-02	-174.02	7.68375E-01	176.98			
-80.00	10.00	-13.93	-2.33	-2.04	0.03576	75.38	
RIGHT	3.94032E-01	-173.05	1.49711E+00	178.60			
-75.00	10.00	-7.10	0.74	1.40	0.04410	68.04	
RIGHT	8.65023E-01	-171.47	2.13307E+00	-178.73			
-70.00	10.00	-2.55	2.47	3.65	0.04289	60.77	
RIGHT	1.45940E+00	-169.30	2.60138E+00	-175.06			
-65.00	10.00	0.46	3.13	5.01	0.03134	53.68	
RIGHT	2.06526E+00	-166.71	2.80815E+00	-170.47			
-60.00	10.00	2.11	2.66	5.40	0.00860	46.79	
RIGHT	2.49746E+00	-164.07	2.65899E+00	-165.06			
-55.00	10.00	2.18	0.58	4.46	0.02972	39.76	LEFT
2.51692E+00	-162.50	2.09438E+00	-159.04				

-50.00	10.00	-0.17	-4.73	1.13	0.10090	30.27	LEFT
1.92086E+00	-166.40	1.13576E+00	-153.22				
-45.00	10.00	-6.00	-26.09	-5.96	0.09649	1.25	
RIGHT	9.81528E-01	151.07	9.70891E-02		73.67		
-40.00	10.00	0.63	-3.72	1.99	0.26093	28.98	
RIGHT	2.10608E+00	81.95	1.27600E+00		48.50		
-35.00	10.00	6.59	0.61	7.57	0.12968	25.92	
RIGHT	4.18397E+00	74.84	2.10045E+00		56.29		
-30.00	10.00	9.19	1.06	9.81	0.07686	21.04	
RIGHT	5.64369E+00	77.97	2.21321E+00		64.98		
-25.00	10.00	9.06	-2.80	9.34	0.04327	14.12	
RIGHT	5.55966E+00	82.88	1.41901E+00		72.50		
-20.00	10.00	4.91	-16.92	4.94	0.04865	-3.71	
RIGHT	3.44588E+00	83.23	2.79230E-01		-59.69		
-15.00	10.00	-3.03	1.77	3.01	0.45731	70.10	
RIGHT	1.38095E+00	-16.04	2.39970E+00		-77.07		
-10.00	10.00	9.62	7.24	11.61	0.15992	36.82	
RIGHT	5.93075E+00	-48.82	4.50840E+00		-67.71		
-5.00	10.00	14.39	9.69	15.66	0.10312	29.87	
RIGHT	1.02620E+01	-43.46	5.97695E+00		-57.03		
0.00	10.00	16.13	10.25	17.13	0.07901	26.67	
RIGHT	1.25392E+01	-34.76	6.37188E+00		-45.97		
-90.00	15.00	-999.99	-999.99	-999.99	0.00000	0.00	
2.55495E-22	160.39	2.68455E-11	-22.13				
-85.00	15.00	-28.39	-12.68	-12.56	0.00598	80.71	
RIGHT	7.45256E-02	160.76	4.55111E-01		158.61		
-80.00	15.00	-16.44	-6.90	-6.44	0.00532	71.55	
RIGHT	2.95196E-01	161.85	8.84772E-01		160.84		
-75.00	15.00	-9.61	-3.87	-2.84	0.00617	62.70	LEFT
6.47625E-01	163.65	1.25469E+00	164.52				
-70.00	15.00	-5.09	-2.22	-0.41	0.02960	54.30	LEFT
1.09027E+00	166.06	1.51619E+00	169.63				
-65.00	15.00	-2.12	-1.71	1.10	0.06468	46.36	LEFT
1.53402E+00	168.83	1.60777E+00	176.24				
-60.00	15.00	-0.59	-2.50	1.57	0.11381	38.57	LEFT
1.82936E+00	171.31	1.46772E+00	-175.38				
-55.00	15.00	-0.81	-5.33	0.51	0.18946	29.54	LEFT
1.78445E+00	171.50	1.06030E+00	-163.89				
-50.00	15.00	-3.71	-13.25	-3.25	0.28774	9.63	LEFT
1.27725E+00	160.21	4.26135E-01	-137.52				
-45.00	15.00	-5.54	-12.22	-4.69	0.45799	-4.02	
RIGHT	1.03536E+00	96.56	4.79499E-01		-0.32		
-40.00	15.00	2.16	-4.18	3.07	0.24400	22.71	
RIGHT	2.51236E+00	61.68	1.21060E+00		25.60		
-35.00	15.00	6.98	-1.49	7.56	0.11669	19.74	
RIGHT	4.37642E+00	60.15	1.65032E+00		39.74		
-30.00	15.00	9.12	-2.11	9.43	0.05845	15.02	
RIGHT	5.59314E+00	65.28	1.53551E+00		52.09		
-25.00	15.00	8.66	-8.49	8.74	0.02210	7.80	
RIGHT	5.30812E+00	71.50	7.36503E-01		62.16		
-20.00	15.00	3.93	-9.14	4.14	0.04897	-12.22	
RIGHT	3.07814E+00	71.10	6.83614E-01		-95.56		

-15.00	15.00	-0.78	1.85	3.74	0.45625	58.30	
RIGHT	1.78981E+00	-34.15	2.42187E+00	-86.35			
-10.00	15.00	10.40	6.30	11.83	0.16051	31.20	
RIGHT	6.48783E+00	-53.60	4.04568E+00	-73.99			
-5.00	15.00	14.84	8.31	15.71	0.10236	24.76	
RIGHT	1.08096E+01	-45.98	5.10077E+00	-61.20			
0.00	15.00	16.47	8.61	17.13	0.07901	21.67	
RIGHT	1.30367E+01	-35.23	5.27989E+00	-48.27			
-90.00	20.00	-999.99	-999.99	-999.99	0.00000	0.00	
1.34146E-22	130.91	1.04555E-11	-24.63				
-85.00	20.00	-33.95	-20.83	-20.62	0.09035	78.62	LEFT
3.92822E-02	131.33	1.78078E-01	156.54				
-80.00	20.00	-21.91	-14.94	-14.14	0.17782	67.56	LEFT
1.57268E-01	132.55	3.50747E-01	160.05				
-75.00	20.00	-14.95	-11.74	-10.05	0.26043	56.95	LEFT
3.50162E-01	134.51	5.06810E-01	165.94				
-70.00	20.00	-10.30	-9.92	-7.09	0.33894	46.61	LEFT
5.98122E-01	136.97	6.25342E-01	174.46				
-65.00	20.00	-7.27	-9.23	-5.13	0.41973	35.76	LEFT
8.48315E-01	139.36	6.76829E-01	-173.59				
-60.00	20.00	-5.81	-9.77	-4.34	0.51409	21.37	LEFT
1.00352E+00	140.14	6.35609E-01	-155.76				
-55.00	20.00	-6.30	-11.51	-5.16	0.53054	-8.45	LEFT
9.47956E-01	134.06	5.20673E-01	-124.80				
-50.00	20.00	-8.03	-11.88	-6.53	0.06596	-32.58	
RIGHT	7.77192E-01	100.24	4.98925E-01	-71.46			
-45.00	20.00	-2.95	-8.46	-1.87	0.50719	9.08	
RIGHT	1.39501E+00	52.33	7.39403E-01	-24.81			
-40.00	20.00	3.23	-5.54	3.77	0.21408	16.47	
RIGHT	2.84100E+00	42.31	1.03495E+00	2.78			
-35.00	20.00	7.04	-4.78	7.32	0.09411	13.41	
RIGHT	4.40693E+00	45.55	1.12907E+00	22.72			
-30.00	20.00	8.71	-7.39	8.81	0.03316	8.71	
RIGHT	5.33615E+00	52.73	8.36139E-01	40.22			
-25.00	20.00	7.88	-27.75	7.88	0.00367	0.92	LEFT
4.85263E+00	60.07	8.02051E-02	72.89				
-20.00	20.00	2.38	-5.20	3.08	0.06911	-22.41	
RIGHT	2.57452E+00	57.06	1.07621E+00	-111.80			
-15.00	20.00	1.43	1.72	4.59	0.43521	46.40	
RIGHT	2.30921E+00	-48.98	2.38725E+00	-96.05			
-10.00	20.00	11.12	5.11	12.09	0.15933	25.46	
RIGHT	7.04751E+00	-58.19	3.52793E+00	-81.03			
-5.00	20.00	15.22	6.59	15.78	0.10132	19.62	
RIGHT	1.12934E+01	-48.37	4.18199E+00	-66.30			
0.00	20.00	16.73	6.55	17.13	0.07901	16.67	
RIGHT	1.34358E+01	-35.68	4.16079E+00	-51.81			
-90.00	25.00	-999.99	-999.99	-999.99	0.00000	0.00	
3.44873E-23	29.86	6.70344E-12	40.57				
-85.00	25.00	-45.73	-24.61	-24.57	0.01202	-85.02	
RIGHT	1.01281E-02	32.71	1.15206E-01	-139.37			
-80.00	25.00	-33.52	-18.47	-18.34	0.00169	-79.97	
RIGHT	4.12863E-02	40.53	2.33539E-01	-138.90			

-75.00	25.00	-26.13	-14.81	-14.50	0.03670	-74.94	LEFT
9.66710E-02	51.08	3.56119E-01	-137.25				
-70.00	25.00	-20.74	-12.23	-11.66	0.08288	-69.87	LEFT
1.79922E-01	61.12	4.79074E-01	-133.37				
-65.00	25.00	-16.72	-10.40	-9.49	0.09102	-64.60	LEFT
2.85665E-01	67.19	5.91481E-01	-126.14				
-60.00	25.00	-13.84	-9.21	-7.92	0.00382	-59.60	
RIGHT	3.97978E-01	65.02	6.78424E-01		-114.48		
-55.00	25.00	-11.03	-8.56	-6.61	0.27999	-54.47	
RIGHT	5.50032E-01	49.87	7.31312E-01		-97.42		
-50.00	25.00	-6.36	-8.24	-4.19	0.70900	-24.85	
RIGHT	9.42069E-01	30.23	7.57954E-01		-74.74		
-45.00	25.00	-0.86	-8.11	-0.11	0.39848	9.86	
RIGHT	1.77457E+00	22.15	7.69667E-01		-48.24		
-40.00	25.00	3.66	-8.49	3.92	0.17032	10.13	
RIGHT	2.98560E+00	24.13	7.36630E-01		-21.25		
-35.00	25.00	6.67	-10.74	6.75	0.05910	6.90	
RIGHT	4.22244E+00	31.16	5.68926E-01		4.74		
-30.00	25.00	7.90	-21.02	7.91	0.00138	2.05	LEFT
4.86561E+00	40.27	1.74106E-01	42.49				
-25.00	25.00	6.66	-11.52	6.72	0.03428	-6.75	LEFT
4.21483E+00	48.35	5.19597E-01	-148.03				
-20.00	25.00	0.15	-2.99	1.87	0.13357	-34.48	
RIGHT	1.99344E+00	38.77	1.38875E+00		-124.98		
-15.00	25.00	3.45	1.31	5.52	0.40109	35.25	
RIGHT	2.91182E+00	-61.09	2.27643E+00		-106.49		
-10.00	25.00	11.77	3.57	12.39	0.15644	19.64	
RIGHT	7.59542E+00	-62.57	2.95441E+00		-89.44		
-5.00	25.00	15.53	4.36	15.85	0.09997	14.45	
RIGHT	1.17060E+01	-50.62	3.23430E+00		-73.30		
0.00	25.00	16.92	3.81	17.13	0.07901	11.67	
RIGHT	1.37334E+01	-36.10	3.03754E+00		-57.96		
-90.00	30.00	-999.99	-999.99	-999.99	0.00000	0.00	
1.13237E-22	-59.08	1.04552E-11	43.00				
-85.00	30.00	-35.62	-20.85	-20.70	0.17873	87.91	
RIGHT	3.24076E-02	-58.00	1.77674E-01		-136.85		
-80.00	30.00	-24.14	-14.98	-14.49	0.34360	86.68	
RIGHT	1.21551E-01	-54.73	3.48880E-01		-136.28		
-75.00	30.00	-18.02	-11.73	-10.81	0.48262	87.32	
RIGHT	2.45963E-01	-49.21	5.07394E-01		-134.97		
-70.00	30.00	-14.24	-9.63	-8.34	0.58785	-89.20	
RIGHT	3.79908E-01	-41.44	6.46101E-01		-132.33		
-65.00	30.00	-11.69	-8.28	-6.65	0.66605	-82.91	
RIGHT	5.09506E-01	-31.80	7.54559E-01		-127.64		
-60.00	30.00	-9.55	-7.59	-5.45	0.76285	-73.71	
RIGHT	6.51958E-01	-21.70	8.17654E-01		-120.09		
-55.00	30.00	-7.06	-7.58	-4.30	0.89147	-29.33	
RIGHT	8.68764E-01	-13.36	8.18539E-01		-108.98		
-50.00	30.00	-3.80	-8.39	-2.51	0.58741	3.14	
RIGHT	1.26400E+00	-7.32	7.45339E-01		-93.83		
-45.00	30.00	-0.09	-10.36	0.30	0.29142	5.45	
RIGHT	1.93916E+00	-1.21	5.94397E-01		-74.67		

-40.00	30.00	3.34	-14.67	3.40	0.10801	3.68	
RIGHT	2.87561E+00	6.92	3.61562E-01	-52.68			
-35.00	30.00	5.78	-36.06	5.78	0.00741	0.19	
RIGHT	3.80926E+00	17.01	3.08081E-02	-49.35			
-30.00	30.00	6.64	-13.22	6.69	0.04803	-5.12	LEFT
4.20726E+00	27.83	4.27496E-01	179.37				
-25.00	30.00	4.90	-5.90	5.24	0.06741	-15.68	LEFT
3.44157E+00	35.91	9.93096E-01	-158.69				
-20.00	30.00	-2.52	-1.82	0.86	0.27982	-47.71	
RIGHT	1.46528E+00	10.86	1.58884E+00	-137.76			
-15.00	30.00	5.20	0.53	6.47	0.36159	25.15	
RIGHT	3.56225E+00	-71.13	2.08112E+00	-118.37			
-10.00	30.00	12.35	1.54	12.69	0.15199	13.77	
RIGHT	8.11432E+00	-66.70	2.33809E+00	-100.64			
-5.00	30.00	15.77	1.36	15.93	0.09832	9.26	
RIGHT	1.20398E+01	-52.74	2.29157E+00	-84.75			
0.00	30.00	17.04	0.04	17.13	0.07901	6.67	
RIGHT	1.39272E+01	-36.50	1.96628E+00	-71.06			
-90.00	35.00	-999.99	-999.99	-999.99	0.00000	0.00	
1.61708E-22	-85.76	9.79539E-12	18.87				
-85.00	35.00	-32.51	-21.42	-21.10	0.26921	85.82	
RIGHT	4.63784E-02	-84.89	1.66282E-01	-160.82			
-80.00	35.00	-20.98	-15.59	-14.49	0.51556	80.95	
RIGHT	1.74930E-01	-82.28	3.25263E-01	-159.80			
-75.00	35.00	-14.80	-12.41	-10.43	0.71977	73.91	
RIGHT	3.56208E-01	-77.93	4.69169E-01	-157.82			
-70.00	35.00	-11.03	-10.44	-7.72	0.86427	58.84	
RIGHT	5.50097E-01	-71.83	5.88454E-01	-154.44			
-65.00	35.00	-8.66	-9.32	-5.97	0.89303	24.12	
RIGHT	7.22279E-01	-64.02	6.69976E-01	-149.18			
-60.00	35.00	-7.07	-8.98	-4.91	0.79731	6.73	
RIGHT	8.68091E-01	-54.67	6.96608E-01	-141.62			
-55.00	35.00	-5.55	-9.57	-4.10	0.62761	2.67	
RIGHT	1.03400E+00	-44.22	6.50455E-01	-131.65			
-50.00	35.00	-3.45	-11.53	-2.82	0.39391	1.46	
RIGHT	1.31598E+00	-33.25	5.19448E-01	-120.12			
-45.00	35.00	-0.68	-16.12	-0.56	0.16897	-0.13	
RIGHT	1.81112E+00	-21.87	3.06060E-01	-112.64			
-40.00	35.00	2.18	-23.25	2.19	0.01629	-2.92	
RIGHT	2.51581E+00	-9.75	1.34776E-01	-172.00			
-35.00	35.00	4.29	-12.83	4.38	0.06756	-6.94	LEFT
3.21026E+00	3.00	4.46908E-01	153.49				
-30.00	35.00	4.85	-6.92	5.13	0.10953	-13.14	LEFT
3.42420E+00	15.22	8.82659E-01	168.62				
-25.00	35.00	2.48	-3.42	3.47	0.09227	-26.53	LEFT
2.60544E+00	21.76	1.32138E+00	-171.35				
-20.00	35.00	-3.84	-1.41	0.55	0.53560	-59.70	
RIGHT	1.25899E+00	-31.23	1.66430E+00	-151.34			
-15.00	35.00	6.67	-0.67	7.41	0.32189	16.03	
RIGHT	4.22094E+00	-79.59	1.81354E+00	-133.12			
-10.00	35.00	12.84	-1.08	13.01	0.14617	7.89	
RIGHT	8.58506E+00	-70.55	1.72842E+00	-118.25			

-5.00	35.00	15.95	-2.50	16.01	0.09638	4.05	
RIGHT	1.22871E+01	-54.70	1.46912E+00	-108.81			
0.00	35.00	17.09	-4.40	17.13	0.07901	1.67	
RIGHT	1.40157E+01	-36.90	1.18065E+00	-106.73			
-90.00	40.00	-999.99	-999.99	-999.99	0.00000	0.00	
1.51834E-22	-108.56	6.43517E-12	-16.40				
-85.00	40.00	-33.06	-25.06	-24.42	0.39799	89.13	
RIGHT	4.35629E-02	-107.77	1.09379E-01	164.08			
-80.00	40.00	-21.52	-19.21	-17.20	0.76636	88.07	
RIGHT	1.64446E-01	-105.42	2.14446E-01	165.62			
-75.00	40.00	-15.34	-16.04	-12.66	0.92304	0.41	
RIGHT	3.34862E-01	-101.53	3.09095E-01	168.53			
-70.00	40.00	-11.59	-14.16	-9.68	0.74406	-1.06	
RIGHT	5.15455E-01	-96.18	3.83611E-01	173.18			
-65.00	40.00	-9.32	-13.29	-7.86	0.63283	-0.81	
RIGHT	6.69531E-01	-89.38	4.23790E-01	179.85			
-60.00	40.00	-7.94	-13.53	-6.88	0.52548	-0.47	
RIGHT	7.85293E-01	-81.00	4.12699E-01	-171.64			
-55.00	40.00	-6.78	-15.30	-6.21	0.37418	-1.07	
RIGHT	8.97636E-01	-70.57	3.36284E-01	-163.02			
-50.00	40.00	-5.09	-19.90	-4.95	0.17287	-3.19	
RIGHT	1.09033E+00	-57.52	1.98013E-01	-164.82			
-45.00	40.00	-2.58	-21.55	-2.52	0.01245	-6.39	LEFT
1.45514E+00	-42.30	1.63880E-01	131.27				
-40.00	40.00	0.17	-13.01	0.37	0.12441	-10.24	LEFT
1.99707E+00	-26.37	4.37836E-01	117.78				
-35.00	40.00	2.20	-7.70	2.62	0.17387	-15.05	LEFT
2.52281E+00	-10.95	8.06788E-01	133.48				
-30.00	40.00	2.49	-4.32	3.32	0.18487	-22.73	LEFT
2.60957E+00	2.22	1.19139E+00	153.98				
-25.00	40.00	-0.72	-2.32	1.57	0.07782	-39.69	LEFT
1.80349E+00	3.69	1.49996E+00	174.64				
-20.00	40.00	-2.07	-1.60	1.18	0.87658	-57.18	
RIGHT	1.54273E+00	-70.04	1.62845E+00	-166.90			
-15.00	40.00	7.87	-2.16	8.28	0.28442	7.73	
RIGHT	4.84726E+00	-86.79	1.52635E+00	-153.50			
-10.00	40.00	13.24	-3.62	13.32	0.13921	2.01	
RIGHT	8.98786E+00	-74.09	1.29045E+00	-150.20			
-5.00	40.00	16.06	-4.26	16.10	0.09418	-1.18	
RIGHT	1.24407E+01	-56.52	1.19924E+00	-158.72			
0.00	40.00	17.08	-3.09	17.13	0.07901	-3.33	
RIGHT	1.39982E+01	-37.29	1.37288E+00	-163.37			
-90.00	45.00	-999.99	-999.99	-999.99	0.00000	0.00	
1.05765E-22	-133.83	2.89646E-12	-73.95				
-85.00	45.00	-36.19	-32.00	-30.60	0.47399	-67.55	
RIGHT	3.03561E-02	-133.16	4.91931E-02	106.85			
-80.00	45.00	-24.65	-26.22	-22.35	0.56385	-34.90	
RIGHT	1.14659E-01	-131.19	9.57148E-02	109.23			
-75.00	45.00	-18.47	-23.29	-17.24	0.45815	-19.74	
RIGHT	2.33438E-01	-128.04	1.34054E-01	113.22			
-70.00	45.00	-14.75	-22.06	-14.01	0.36461	-13.10	
RIGHT	3.58594E-01	-123.88	1.54546E-01	118.42			

-65.00	45.00	-12.51	-22.59	-12.10	0.26929	-9.15	
RIGHT	4.63884E-01	-118.75	1.45421E-01		122.85		
-60.00	45.00	-11.16	-25.56	-11.01	0.13996	-7.38	
RIGHT	5.41637E-01	-112.06	1.03272E-01		116.20		
-55.00	45.00	-10.02	-26.00	-9.91	0.03413	-8.83	LEFT
6.17648E-01	-101.76	9.81855E-02		65.54			
-50.00	45.00	-8.28	-18.42	-7.88	0.20862	-13.02	LEFT
7.54761E-01	-85.26	2.34835E-01		49.93			
-45.00	45.00	-5.55	-12.76	-4.79	0.31099	-17.14	LEFT
1.03380E+00	-63.94	4.50700E-01		65.34			
-40.00	45.00	-2.51	-8.59	-1.55	0.33120	-20.59	LEFT
1.46630E+00	-42.72	7.28837E-01		88.80			
-35.00	45.00	-0.39	-5.39	0.80	0.31137	-25.43	LEFT
1.87225E+00	-24.30	1.05279E+00		114.06			
-30.00	45.00	-0.42	-3.15	1.43	0.25919	-34.82	LEFT
1.86540E+00	-11.18	1.36256E+00		138.17			
-25.00	45.00	-4.53	-2.02	-0.09	0.02047	-53.18	
RIGHT	1.16194E+00	-23.32	1.55150E+00		159.12		
-20.00	45.00	0.44	-2.16	2.34	0.73939	-3.87	
RIGHT	2.06028E+00	-93.51	1.52779E+00		174.13		
-15.00	45.00	8.81	-3.23	9.08	0.24989	0.06	
RIGHT	5.40274E+00	-92.94	1.35011E+00		177.28		
-10.00	45.00	13.54	-3.10	13.63	0.13132	-3.83	
RIGHT	9.30368E+00	-77.30	1.37131E+00		166.19		
-5.00	45.00	16.10	-0.67	16.19	0.09173	-6.41	
RIGHT	1.24939E+01	-58.18	1.81254E+00		161.63		
0.00	45.00	17.01	1.42	17.13	0.07901	-8.33	
RIGHT	1.38748E+01	-37.69	2.30737E+00		171.33		
-90.00	50.00	-999.99	-999.99	-999.99	0.00000	0.00	
6.14617E-23	-165.95	2.67374E-12		-177.01			
-85.00	50.00	-40.89	-32.73	-32.11	0.06627	-68.93	LEFT
1.76712E-02	-165.50	4.52202E-02		3.27			
-80.00	50.00	-29.30	-27.00	-24.99	0.10227	-52.68	LEFT
6.71000E-02	-164.28	8.74959E-02		3.63			
-75.00	50.00	-23.05	-23.91	-20.44	0.12955	-42.06	LEFT
1.37920E-01	-162.51	1.24880E-01		2.65			
-70.00	50.00	-19.17	-21.72	-17.25	0.17547	-36.17	LEFT
2.15412E-01	-160.44	1.60648E-01		-1.24			
-65.00	50.00	-16.69	-19.40	-14.83	0.24827	-35.00	LEFT
2.86658E-01	-157.74	2.09827E-01		-7.13			
-60.00	50.00	-15.02	-16.49	-12.68	0.32707	-39.01	LEFT
3.47493E-01	-152.43	2.93453E-01		-9.26			
-55.00	50.00	-13.68	-13.44	-10.54	0.39126	-46.09	LEFT
4.05483E-01	-139.80	4.16978E-01		-2.56			
-50.00	50.00	-11.92	-10.74	-8.28	0.47407	-51.15	LEFT
4.96293E-01	-115.05	5.68387E-01		13.57			
-45.00	50.00	-8.85	-8.44	-5.63	0.56842	-47.63	LEFT
7.06998E-01	-83.01	7.41024E-01		37.65			
-40.00	50.00	-5.32	-6.29	-2.77	0.54905	-39.02	LEFT
1.06098E+00	-55.19	9.48788E-01		66.71			
-35.00	50.00	-3.11	-4.28	-0.65	0.45252	-39.15	LEFT
1.36861E+00	-34.45	1.19615E+00		96.26			

-30.00	50.00	-3.75	-2.77	-0.23	0.30297	-48.89	LEFT
1.27111E+00	-23.70	1.42314E+00	122.35				
-25.00	50.00	-7.40	-2.21	-1.06	0.19379	-62.62	
RIGHT	8.35328E-01	-64.20	1.51839E+00		142.05		
-20.00	50.00	2.37	-2.63	3.56	0.54183	-9.00	
RIGHT	2.57147E+00	-107.90	1.44630E+00		150.71		
-15.00	50.00	9.51	-2.49	9.78	0.21818	-7.11	
RIGHT	5.85421E+00	-98.18	1.47067E+00		143.63		
-10.00	50.00	13.73	0.15	13.92	0.12273	-9.63	
RIGHT	9.51547E+00	-80.15	1.99225E+00		136.92		
-5.00	50.00	16.06	3.09	16.27	0.08906	-11.66	
RIGHT	1.24413E+01	-59.67	2.79487E+00		144.74		
0.00	50.00	16.86	4.81	17.13	0.07901	-13.33	
RIGHT	1.36465E+01	-38.10	3.40688E+00		161.41		
-90.00	55.00	-999.99	-999.99	-999.99	0.00000	0.00	
3.81810E-23	172.50	3.73038E-12	150.28				
-85.00	55.00	-45.03	-29.79	-29.67	0.06528	-80.89	LEFT
1.09774E-02	172.65	6.34156E-02	-30.10				
-80.00	55.00	-33.43	-23.88	-23.43	0.12633	-72.85	LEFT
4.17253E-02	173.02	1.25239E-01	-31.48				
-75.00	55.00	-27.13	-20.37	-19.54	0.18141	-67.03	LEFT
8.62209E-02	173.41	1.87570E-01	-34.16				
-70.00	55.00	-23.13	-17.54	-16.48	0.22543	-64.44	LEFT
1.36647E-01	173.96	2.59915E-01	-37.43				
-65.00	55.00	-20.43	-14.79	-13.74	0.24786	-65.14	LEFT
1.86295E-01	176.05	3.56870E-01	-38.65				
-60.00	55.00	-18.62	-12.13	-11.25	0.25450	-68.08	LEFT
2.29638E-01	-176.50	4.84767E-01	-34.65				
-55.00	55.00	-17.35	-9.84	-9.13	0.28216	-72.51	LEFT
2.65769E-01	-156.81	6.30717E-01	-23.72				
-50.00	55.00	-15.22	-8.09	-7.32	0.38412	-77.67	LEFT
3.39709E-01	-120.19	7.71280E-01	-5.34				
-45.00	55.00	-10.99	-6.76	-5.37	0.58468	-78.60	LEFT
5.52539E-01	-81.91	8.99614E-01	20.39				
-40.00	55.00	-6.98	-5.46	-3.15	0.71630	-61.32	LEFT
8.76404E-01	-54.57	1.04439E+00	51.40				
-35.00	55.00	-5.11	-4.06	-1.54	0.59162	-52.24	LEFT
1.08760E+00	-35.47	1.22741E+00	82.54				
-30.00	55.00	-7.15	-2.97	-1.57	0.32892	-61.85	LEFT
8.60160E-01	-30.23	1.39069E+00	108.21				
-25.00	55.00	-7.51	-2.65	-1.42	0.36045	-65.64	
RIGHT	8.24870E-01	-103.90	1.44411E+00		123.89		
-20.00	55.00	3.62	-2.42	4.59	0.41435	-15.84	
RIGHT	2.97194E+00	-117.76	1.48210E+00		124.55		
-15.00	55.00	9.98	-0.17	10.38	0.18888	-13.89	
RIGHT	6.17644E+00	-102.57	1.91952E+00		117.48		
-10.00	55.00	13.82	3.28	14.18	0.11362	-15.38	
RIGHT	9.60936E+00	-82.63	2.85848E+00		121.60		
-5.00	55.00	15.95	5.93	16.36	0.08623	-16.90	
RIGHT	1.22784E+01	-60.99	3.87645E+00		136.35		
0.00	55.00	16.65	7.29	17.13	0.07901	-18.33	
RIGHT	1.33151E+01	-38.53	4.53240E+00		156.38		



-90.00	60.00	-999.99	-999.99	-999.99	0.00000	0.00	
3.63973E-23	-158.45	3.15520E-12	-178.69				
-85.00	60.00	-45.54	-31.55	-31.38	0.07398	-79.48	LEFT
1.03505E-02	-157.84	5.17919E-02	-0.35				
-80.00	60.00	-34.22	-26.51	-25.83	0.18514	-69.78	LEFT
3.80763E-02	-156.00	9.25599E-02	-6.58				
-75.00	60.00	-28.39	-24.00	-22.65	0.37240	-64.01	LEFT
7.45546E-02	-152.84	1.23525E-01	-20.51				
-70.00	60.00	-24.99	-21.09	-19.61	0.57193	-73.08	LEFT
1.10230E-01	-147.86	1.72718E-01	-39.72				
-65.00	60.00	-22.79	-17.12	-16.08	0.52005	88.97	LEFT
1.41974E-01	-139.33	2.72853E-01	-50.78				
-60.00	60.00	-20.62	-13.45	-12.68	0.41746	82.32	LEFT
1.82413E-01	-124.07	4.16460E-01	-48.75				
-55.00	60.00	-17.25	-10.74	-9.86	0.41128	76.62	LEFT
2.68895E-01	-101.98	5.68649E-01	-36.44				
-50.00	60.00	-12.76	-8.97	-7.45	0.51971	67.82	LEFT
4.50757E-01	-79.39	6.97525E-01	-15.54				
-45.00	60.00	-8.50	-7.71	-5.08	0.72621	53.57	LEFT
7.35605E-01	-59.61	8.06060E-01	13.12				
-40.00	60.00	-5.58	-6.38	-2.95	0.90532	10.63	LEFT
1.03057E+00	-41.76	9.39375E-01	46.17				
-35.00	60.00	-4.94	-4.91	-1.92	0.80481	-45.51	LEFT
1.10860E+00	-25.79	1.11284E+00	76.56				
-30.00	60.00	-9.45	-3.85	-2.80	0.42380	-72.38	LEFT
6.59580E-01	-21.17	1.25665E+00	98.01				
-25.00	60.00	-6.98	-3.23	-1.70	0.44973	-63.90	
RIGHT	8.77226E-01	-129.35	1.35083E+00		105.63		
-20.00	60.00	4.32	-1.35	5.36	0.32286	-22.51	
RIGHT	3.22131E+00	-124.98	1.67717E+00		100.56		
-15.00	60.00	10.22	2.35	10.88	0.16154	-20.35	
RIGHT	6.35371E+00	-106.18	2.56640E+00		100.78		
-10.00	60.00	13.79	5.80	14.43	0.10419	-21.07	
RIGHT	9.57541E+00	-84.72	3.81915E+00		112.71		
-5.00	60.00	15.75	8.11	16.44	0.08325	-22.14	
RIGHT	1.20028E+01	-62.15	4.98287E+00		131.36		
0.00	60.00	16.36	9.19	17.13	0.07901	-23.33	
RIGHT	1.28831E+01	-38.98	5.64445E+00		153.35		
-90.00	65.00	-999.99	-999.99	-999.99	0.00000	0.00	
6.35929E-23	-136.46	6.72729E-12	-128.56				
-85.00	65.00	-40.61	-25.02	-24.90	0.02228	-80.65	
RIGHT	1.82551E-02	-135.25	1.09859E-01		52.66		
-80.00	65.00	-29.03	-20.27	-19.72	0.04441	-70.10	
RIGHT	6.92483E-02	-131.61	1.89909E-01		56.31		
-75.00	65.00	-22.68	-19.12	-17.54	0.06223	-56.51	
RIGHT	1.43878E-01	-125.47	2.16678E-01		62.26		
-70.00	65.00	-18.45	-20.75	-16.44	0.05627	-37.47	
RIGHT	2.33989E-01	-116.80	1.79682E-01		69.86		
-65.00	65.00	-15.19	-26.94	-14.91	0.00451	-14.49	LEFT
3.40855E-01	-105.81	8.81014E-02	73.12				
-60.00	65.00	-12.19	-31.44	-12.14	0.09442	3.13	LEFT
4.81042E-01	-93.08	5.24877E-02	-32.86				

-55.00	65.00	-9.16	-21.12	-8.90	0.18125	9.97	LEFT
6.81888E-01	-79.37	1.72112E-01	-31.68				
-50.00	65.00	-6.19	-16.49	-5.81	0.26855	8.33	LEFT
9.59895E-01	-65.04	2.93384E-01	-1.39				
-45.00	65.00	-3.68	-12.76	-3.17	0.34952	2.28	LEFT
1.28181E+00	-49.89	4.50862E-01	34.42				
-40.00	65.00	-2.19	-9.39	-1.44	0.42913	-4.77	LEFT
1.52126E+00	-33.69	6.64596E-01	65.26				
-35.00	65.00	-2.66	-7.03	-1.31	0.57155	-11.85	LEFT
1.44154E+00	-16.65	8.71452E-01	86.67				
-30.00	65.00	-8.42	-5.80	-3.90	0.72129	-79.23	LEFT
7.42532E-01	-1.68	1.00473E+00	95.28				
-25.00	65.00	-7.31	-4.02	-2.35	0.45967	-61.89	
RIGHT	8.43742E-01	-146.48	1.23287E+00	88.03			
-20.00	65.00	4.57	0.13	5.90	0.25038	-28.88	
RIGHT	3.31289E+00	-130.39	1.98808E+00	81.89			
-15.00	65.00	10.26	4.53	11.29	0.13581	-26.58	
RIGHT	6.38022E+00	-109.02	3.29958E+00	90.06			
-10.00	65.00	13.63	7.81	14.64	0.09458	-26.71	
RIGHT	9.40815E+00	-86.40	4.81104E+00	106.97			
-5.00	65.00	15.46	9.84	16.51	0.08019	-27.38	
RIGHT	1.16135E+01	-63.13	6.08229E+00	128.05			
0.00	65.00	16.00	10.71	17.13	0.07901	-28.33	
RIGHT	1.23539E+01	-39.47	6.72417E+00	151.31			
-90.00	70.00	-999.99	-999.99	-999.99	0.00000	0.00	
8.19184E-23	-131.41	1.12758E-11	-116.89				
-85.00	70.00	-38.31	-20.36	-20.29	0.03188	-83.01	
RIGHT	2.37837E-02	-130.17	1.87824E-01	64.64			
-80.00	70.00	-26.43	-15.02	-14.72	0.06813	-75.42	
RIGHT	9.33781E-02	-126.47	3.47428E-01	69.22			
-75.00	70.00	-19.59	-12.61	-11.82	0.11175	-66.53	
RIGHT	2.05389E-01	-120.43	4.58559E-01	76.78			
-70.00	70.00	-14.72	-11.60	-9.88	0.15793	-55.63	
RIGHT	3.59473E-01	-112.25	5.15032E-01	86.91			
-65.00	70.00	-10.83	-11.41	-8.10	0.18250	-42.96	
RIGHT	5.62889E-01	-102.27	5.26560E-01	98.47			
-60.00	70.00	-7.46	-11.59	-6.04	0.15466	-31.15	
RIGHT	8.30099E-01	-90.80	5.15661E-01	108.89			
-55.00	70.00	-4.46	-11.59	-3.69	0.08246	-23.39	
RIGHT	1.17208E+00	-78.05	5.15877E-01	114.78			
-50.00	70.00	-1.91	-10.71	-1.37	0.00029	-19.95	LEFT
1.57252E+00	-64.02	5.70887E-01	115.93				
-45.00	70.00	-0.01	-8.99	0.50	0.07503	-19.18	LEFT
1.95514E+00	-48.58	6.95520E-01	117.76				
-40.00	70.00	0.84	-7.56	1.43	0.14577	-19.38	LEFT
2.15794E+00	-31.61	8.20411E-01	122.94				
-35.00	70.00	-0.08	-7.57	0.63	0.24709	-19.00	LEFT
1.93958E+00	-12.94	8.19155E-01	126.54				
-30.00	70.00	-5.49	-9.17	-3.94	0.62484	-12.19	LEFT
1.04030E+00	8.69	6.81603E-01	110.07				
-25.00	70.00	-8.73	-5.20	-3.60	0.42636	-61.93	
RIGHT	7.16715E-01	-160.83	1.07664E+00	70.62			

-20.00	70.00	4.43	1.57	6.24	0.18817	-35.02	
RIGHT	3.26107E+00	-134.30	2.34545E+00	68.24			
-15.00	70.00	10.09	6.32	11.61	0.11142	-32.60	
RIGHT	6.25920E+00	-111.09	4.05256E+00	82.87			
-10.00	70.00	13.35	9.43	14.83	0.08496	-32.29	
RIGHT	9.10667E+00	-87.68	5.79718E+00	103.05			
-5.00	70.00	15.08	11.25	16.58	0.07707	-32.62	
RIGHT	1.11117E+01	-63.95	7.15410E+00	125.74			
0.00	70.00	15.55	11.96	17.13	0.07901	-33.33	
RIGHT	1.17317E+01	-40.01	7.75891E+00	149.82			
-90.00	75.00	-999.99	-999.99	-999.99	0.00000	0.00	
7.05268E-23	-127.56	1.09328E-11	-106.13				
-85.00	75.00	-39.45	-20.46	-20.41	0.04096	-84.03	
RIGHT	2.08650E-02	-126.45	1.85738E-01	75.18			
-80.00	75.00	-27.10	-14.59	-14.35	0.08505	-77.54	
RIGHT	8.64466E-02	-123.17	3.65109E-01	78.95			
-75.00	75.00	-19.56	-11.26	-10.66	0.13080	-70.09	
RIGHT	2.06103E-01	-117.86	5.35765E-01	84.71			
-70.00	75.00	-13.89	-8.92	-7.72	0.16740	-61.58	
RIGHT	3.95825E-01	-110.66	7.01647E-01	91.70			
-65.00	75.00	-9.24	-7.02	-4.98	0.17779	-52.74	
RIGHT	6.75788E-01	-101.70	8.72907E-01	99.15			
-60.00	75.00	-5.32	-5.31	-2.30	0.15562	-45.04	
RIGHT	1.06177E+00	-91.04	1.06316E+00	106.65			
-55.00	75.00	-2.04	-3.69	0.22	0.11335	-39.46	
RIGHT	1.54798E+00	-78.69	1.28084E+00	114.48			
-50.00	75.00	0.53	-2.26	2.37	0.06724	-35.86	
RIGHT	2.08276E+00	-64.64	1.51029E+00	123.46			
-45.00	75.00	2.28	-1.29	3.86	0.02519	-33.54	
RIGHT	2.54547E+00	-48.89	1.68831E+00	134.24			
-40.00	75.00	2.92	-1.26	4.32	0.01405	-31.73	LEFT
2.74031E+00	-31.40	1.69476E+00	146.80				
-35.00	75.00	1.85	-3.08	3.06	0.06344	-29.40	LEFT
2.42460E+00	-11.94	1.37397E+00	159.59				
-30.00	75.00	-3.03	-10.08	-2.24	0.20361	-21.62	LEFT
1.38220E+00	11.53	6.13757E-01	159.72				
-25.00	75.00	-11.18	-6.82	-5.46	0.36620	-63.72	
RIGHT	5.40547E-01	-175.86	8.93439E-01	50.95			
-20.00	75.00	3.97	2.79	6.43	0.13170	-40.98	
RIGHT	3.09248E+00	-136.82	2.69968E+00	58.33			
-15.00	75.00	9.73	7.76	11.86	0.08827	-38.46	
RIGHT	6.00116E+00	-112.39	4.78349E+00	77.96			
-10.00	75.00	12.93	10.75	14.98	0.07546	-37.80	
RIGHT	8.67439E+00	-88.53	6.74996E+00	100.37			
-5.00	75.00	14.59	12.42	16.65	0.07395	-37.85	
RIGHT	1.05004E+01	-64.61	8.18170E+00	124.12			
0.00	75.00	15.01	12.99	17.13	0.07901	-38.33	
RIGHT	1.10213E+01	-40.61	8.73862E+00	148.68			
-90.00	80.00	-999.99	-999.99	-999.99	0.00000	0.00	
3.61784E-23	-118.04	5.45277E-12	-60.03				
-85.00	80.00	-44.77	-26.23	-26.17	0.09692	-86.12	
RIGHT	1.13057E-02	-117.85	9.55855E-02	117.55			

-80.00	80.00	-31.22	-19.45	-19.17	0.18641	-79.87
RIGHT	5.38166E-02	-116.73	2.08518E-01		111.38	
-75.00	80.00	-22.20	-14.52	-13.83	0.22995	-70.97
RIGHT	1.52098E-01	-113.74	3.68117E-01		104.49	
-70.00	80.00	-15.16	-10.11	-8.93	0.21377	-62.50
RIGHT	3.41920E-01	-108.41	6.11309E-01		100.27	
-65.00	80.00	-9.45	-6.15	-4.48	0.17239	-56.31
RIGHT	6.59935E-01	-100.69	9.64577E-01		100.36	
-60.00	80.00	-4.80	-2.75	-0.65	0.13195	-51.95
RIGHT	1.12656E+00	-90.72	1.42677E+00		104.74	
-55.00	80.00	-1.11	-0.01	2.48	0.09959	-48.69
RIGHT	1.72312E+00	-78.66	1.95577E+00		112.80	
-50.00	80.00	1.65	1.98	4.83	0.07519	-46.08
RIGHT	2.36861E+00	-64.66	2.45865E+00		123.94	
-45.00	80.00	3.43	3.08	6.27	0.05701	-43.83
RIGHT	2.90671E+00	-48.83	2.79132E+00		137.71	
-40.00	80.00	4.04	3.03	6.57	0.04304	-41.68
RIGHT	3.11657E+00	-31.20	2.77555E+00		153.76	
-35.00	80.00	2.97	1.16	5.17	0.03052	-39.05
RIGHT	2.75739E+00	-11.59	2.23757E+00		171.98	
-30.00	80.00	-1.50	-5.30	0.01	0.01281	-32.86
RIGHT	1.64730E+00	11.81	1.06428E+00		-166.58	
-25.00	80.00	-14.55	-8.36	-7.42	0.26973	-67.58
RIGHT	3.66618E-01	165.61	7.48244E-01		25.13	
-20.00	80.00	3.22	3.78	6.52	0.07892	-46.85
RIGHT	2.83814E+00	-137.89	3.02542E+00		51.16	
-15.00	80.00	9.16	8.91	12.05	0.06636	-44.18
RIGHT	5.62160E+00	-112.90	5.46386E+00		74.70	
-10.00	80.00	12.35	11.83	15.11	0.06622	-43.27
RIGHT	8.11865E+00	-88.97	7.64657E+00		98.62	
-5.00	80.00	13.97	13.39	16.70	0.07087	-43.06
RIGHT	9.78462E+00	-65.12	9.15051E+00		123.01	
0.00	80.00	14.36	13.86	17.13	0.07901	-43.33
RIGHT	1.02285E+01	-41.29	9.65461E+00		147.76	
-90.00	85.00	-999.99	-999.99	-999.99	0.00000	0.00
7.11294E-24	-30.67	1.06301E-11	32.87			
-85.00	85.00	-58.98	-21.34	-21.34	0.01312	89.98
RIGHT	2.20161E-03	-59.25	1.67753E-01		-147.88	
-80.00	85.00	-40.73	-17.68	-17.66	0.05692	87.63
RIGHT	1.79948E-02	-98.04	2.55820E-01		-152.20	
-75.00	85.00	-27.40	-18.79	-18.23	0.33355	80.65
RIGHT	8.35708E-02	-107.39	2.25019E-01		-174.27	
-70.00	85.00	-17.89	-15.81	-13.72	0.41352	-54.69
RIGHT	2.49591E-01	-105.59	3.17136E-01		121.02	
-65.00	85.00	-10.80	-7.58	-5.89	0.15982	-55.93
RIGHT	5.64993E-01	-99.01	8.17916E-01		100.46	
-60.00	85.00	-5.37	-1.93	-0.31	0.09788	-56.28
RIGHT	1.05511E+00	-89.43	1.56735E+00		102.65	
-55.00	85.00	-1.25	1.88	3.60	0.07587	-55.24
RIGHT	1.69589E+00	-77.53	2.43253E+00		111.72	
-50.00	85.00	1.74	4.37	6.26	0.06723	-53.64
RIGHT	2.39214E+00	-63.62	3.24005E+00		124.43	

-45.00	85.00	3.62	5.69	7.79	0.06525	-51.81	
RIGHT	2.97124E+00	-47.89	3.76967E+00		139.80		
-40.00	85.00	4.28	5.73	8.07	0.06854	-49.83	
RIGHT	3.20370E+00	-30.42	3.78867E+00		157.53		
-35.00	85.00	3.28	4.01	6.67	0.07991	-47.46	
RIGHT	2.85552E+00	-11.12	3.10842E+00		178.06		
-30.00	85.00	-0.90	-1.44	1.85	0.12442	-43.15	
RIGHT	1.76636E+00	11.35	1.65901E+00		-154.44		
-25.00	85.00	-18.76	-8.39	-8.01	0.16067	-75.58	
RIGHT	2.25784E-01	140.97	7.45157E-01		-4.67		
-20.00	85.00	2.22	4.57	6.56	0.02943	-52.67	
RIGHT	2.52750E+00	-137.32	3.31310E+00		46.18		
-15.00	85.00	8.38	9.83	12.18	0.04578	-49.79	
RIGHT	5.13875E+00	-112.59	6.07358E+00		72.73		
-10.00	85.00	11.61	12.72	15.21	0.05734	-48.68	
RIGHT	7.45007E+00	-88.99	8.46775E+00		97.62		
-5.00	85.00	13.22	14.20	16.75	0.06788	-48.27	
RIGHT	8.97129E+00	-65.51	1.00475E+01		122.30		
0.00	85.00	13.59	14.59	17.13	0.07901	-48.33	
RIGHT	9.35953E+00	-42.10	1.04992E+01		146.99		
-90.00	90.00	-999.99	-999.99	-999.99	0.00000	0.00	
1.91097E-23	46.02	1.92986E-11	56.68				
-85.00	90.00	-52.84	-16.04	-16.04	0.00324	-89.19	
RIGHT	4.46480E-03	44.59	3.08813E-01		-122.44		
-80.00	90.00	-50.95	-11.97	-11.97	0.00758	-89.52	
RIGHT	5.55205E-03	17.64	4.93542E-01		-119.97		
-75.00	90.00	-34.06	-12.85	-12.82	0.02077	85.17	
RIGHT	3.88001E-02	-103.05	4.45890E-01		-116.96		
-70.00	90.00	-21.01	-25.56	-19.70	0.26358	28.22	
RIGHT	1.74391E-01	-103.71	1.03228E-01		-137.92		
-65.00	90.00	-12.67	-10.15	-8.22	0.07316	-53.29	
RIGHT	4.55154E-01	-96.92	6.08426E-01		91.81		
-60.00	90.00	-6.67	-1.87	-0.63	0.04899	-60.16	
RIGHT	9.08726E-01	-87.16	1.57909E+00		99.33		
-55.00	90.00	-2.23	2.79	3.97	0.04933	-60.79	
RIGHT	1.51433E+00	-75.26	2.69896E+00		111.37		
-50.00	90.00	0.94	5.64	6.91	0.05567	-59.91	
RIGHT	2.18204E+00	-61.49	3.74992E+00		125.84		
-45.00	90.00	2.94	7.15	8.54	0.06596	-58.48	
RIGHT	2.74781E+00	-46.05	4.45835E+00		142.41		
-40.00	90.00	3.69	7.32	8.88	0.08157	-56.79	
RIGHT	2.99426E+00	-29.02	4.54615E+00		161.14		
-35.00	90.00	2.79	5.77	7.54	0.10927	-54.86	
RIGHT	2.70134E+00	-10.41	3.80317E+00		-177.19		
-30.00	90.00	-1.13	0.95	3.04	0.18853	-52.31	
RIGHT	1.71866E+00	10.43	2.18355E+00		-147.57		
-25.00	90.00	-24.34	-6.79	-6.72	0.10312	-85.23	
RIGHT	1.18880E-01	102.49	8.96072E-01		-26.01		
-20.00	90.00	0.95	5.19	6.58	0.01615	-58.47	LEFT
2.18486E+00	-134.83	3.55985E+00	43.09				
-15.00	90.00	7.36	10.55	12.25	0.02666	-55.30	
RIGHT	4.57179E+00	-111.40	6.59815E+00		71.86		

-10.00	90.00	10.66	13.44	15.28	0.04894	-54.05	
RIGHT	6.68190E+00	-88.62	9.19738E+00	97.28			
-5.00	90.00	12.30	14.88	16.79	0.06501	-53.46	
RIGHT	8.06903E+00	-65.83	1.08610E+01	121.95			
0.00	90.00	12.67	15.20	17.13	0.07901	-53.33	
RIGHT	8.42160E+00	-43.09	1.12654E+01	146.34			
-90.00	95.00	-999.99	-999.99	-999.99	0.00000	0.00	
1.47681E-23	62.79	2.11228E-11	74.39				
-85.00	95.00	-55.13	-15.21	-15.21	0.00210	-89.43	
RIGHT	3.43179E-03	63.86	3.39737E-01	-104.11			
-80.00	95.00	-55.41	-10.97	-10.97	0.00129	-89.66	
RIGHT	3.32288E-03	68.33	5.53738E-01	-99.26			
-75.00	95.00	-36.40	-11.31	-11.30	0.01961	87.02	LEFT
2.96465E-02	-109.53	5.32677E-01	-88.85				
-70.00	95.00	-23.07	-18.30	-17.05	0.40698	67.19	LEFT
1.37453E-01	-102.58	2.38282E-01	-48.81				
-65.00	95.00	-14.64	-10.46	-9.05	0.10971	-58.62	LEFT
3.63105E-01	-94.06	5.87297E-01	71.92				
-60.00	95.00	-8.53	-1.82	-0.98	0.00436	-65.22	LEFT
7.33140E-01	-83.83	1.58827E+00	95.51				
-55.00	95.00	-4.00	3.06	3.84	0.02527	-66.09	
RIGHT	1.23630E+00	-71.96	2.78445E+00	111.95			
-50.00	95.00	-0.71	6.07	6.90	0.04541	-65.49	
RIGHT	1.80413E+00	-58.50	3.93880E+00	128.37			
-45.00	95.00	1.41	7.71	8.62	0.06556	-64.36	
RIGHT	2.30283E+00	-43.58	4.75525E+00	146.00			
-40.00	95.00	2.28	8.01	9.04	0.09071	-62.99	
RIGHT	2.54653E+00	-27.30	4.92426E+00	165.44			
-35.00	95.00	1.54	6.64	7.81	0.13077	-61.55	
RIGHT	2.33765E+00	-9.84	4.20393E+00	-172.22			
-30.00	95.00	-2.15	2.26	3.60	0.23269	-60.70	
RIGHT	1.52973E+00	8.52	2.53907E+00	-141.52			
-25.00	95.00	-26.08	-4.99	-4.96	0.06900	86.85	
RIGHT	9.73032E-02	16.25	1.10226E+00	-35.38			
-20.00	95.00	-0.59	5.67	6.59	0.05686	-64.22	LEFT
1.82899E+00	-129.98	3.76278E+00	41.73				
-15.00	95.00	6.07	11.10	12.28	0.00916	-60.72	
RIGHT	3.93977E+00	-109.27	7.02678E+00	71.96			
-10.00	95.00	9.47	14.01	15.32	0.04112	-59.36	
RIGHT	5.82940E+00	-87.86	9.82247E+00	97.51			
-5.00	95.00	11.17	15.44	16.82	0.06230	-58.65	
RIGHT	7.08805E+00	-66.12	1.15811E+01	121.89			
0.00	95.00	11.57	15.71	17.13	0.07901	-58.33	
RIGHT	7.42269E+00	-44.33	1.19473E+01	145.76			
-90.00	100.00	-999.99	-999.99	-999.99	0.00000	0.00	
1.33970E-24	152.80	1.55254E-11	98.91				
-85.00	100.00	-70.31	-17.86	-17.86	0.00225	89.96	LEFT
5.97678E-04	-149.60	2.50640E-01	-78.65				
-80.00	100.00	-47.83	-13.47	-13.47	0.01406	89.26	LEFT
7.94896E-03	-117.53	4.15203E-01	-70.25				
-75.00	100.00	-33.91	-13.13	-13.09	0.07625	87.11	LEFT
3.94877E-02	-106.83	4.31908E-01	-50.10				

-70.00	100.00	-24.15	-13.94	-13.55	0.30068	-86.00	LEFT
1.21397E-01	-98.44	3.93324E-01		3.46			
-65.00	100.00	-16.80	-7.98	-7.45	0.14223	-71.54	LEFT
2.83038E-01	-89.51	7.81047E-01		64.69			
-60.00	100.00	-11.08	-1.65	-1.18	0.03609	-71.45	LEFT
5.46601E-01	-79.40	1.61958E+00		93.77			
-55.00	100.00	-6.64	2.77	3.24	0.00889	-71.31	
RIGHT	9.11925E-01	-67.94		2.69462E+00	113.74		
-50.00	100.00	-3.30	5.74	6.25	0.03907	-70.65	
RIGHT	1.33930E+00	-55.13		3.79100E+00	132.01		
-45.00	100.00	-1.04	7.47	8.04	0.06715	-69.72	
RIGHT	1.73698E+00	-41.07		4.62600E+00	150.65		
-40.00	100.00	0.02	7.93	8.58	0.10025	-68.69	
RIGHT	1.96324E+00	-25.97		4.87725E+00	170.68		
-35.00	100.00	-0.49	6.76	7.51	0.15067	-67.79	
RIGHT	1.85167E+00	-10.27		4.26324E+00	-166.49		
-30.00	100.00	-3.81	2.74	3.61	0.26914	-68.77	
RIGHT	1.26241E+00	4.36		2.68563E+00	-134.96		
-25.00	100.00	-18.90	-3.65	-3.53	0.02980	80.34	
RIGHT	2.22195E-01	-26.54		1.28572E+00	-36.76		
-20.00	100.00	-2.46	6.02	6.59	0.09197	-69.91	LEFT
1.47549E+00	-122.00	3.91512E+00		41.96			
-15.00	100.00	4.43	11.49	12.27	0.00659	-66.08	LEFT
3.26140E+00	-106.06	7.35099E+00		72.92			
-10.00	100.00	7.98	14.45	15.33	0.03397	-64.64	
RIGHT	4.90919E+00	-86.75		1.03331E+01	98.27		
-5.00	100.00	9.78	15.89	16.84	0.05979	-63.82	
RIGHT	6.04004E+00	-66.50		1.21992E+01	122.11		
0.00	100.00	10.25	16.13	17.13	0.07901	-63.33	
RIGHT	6.37188E+00	-45.97		1.25392E+01	145.24		
-90.00	105.00	-999.99	-999.99	-999.99	0.00000	0.00	
1.07286E-23	-103.68	8.53342E-12		151.51			
-85.00	105.00	-55.41	-22.71	-22.71	0.02268	89.73	LEFT
3.32067E-03	-102.82	1.43284E-01		-24.67			
-80.00	105.00	-42.02	-17.07	-17.06	0.05657	89.87	LEFT
1.55247E-02	-100.27	2.74248E-01		-12.49			
-75.00	105.00	-33.05	-13.73	-13.68	0.10399	-88.31	LEFT
4.35756E-02	-96.08	4.03174E-01		9.57			
-70.00	105.00	-25.89	-10.32	-10.20	0.12624	-83.79	LEFT
9.94573E-02	-90.31	5.96766E-01		39.67			
-65.00	105.00	-19.85	-6.14	-5.96	0.09134	-79.52	LEFT
1.99314E-01	-82.99	9.66041E-01		69.77			
-60.00	105.00	-14.72	-1.88	-1.66	0.04084	-77.35	LEFT
3.59599E-01	-74.17	1.57698E+00		94.98			
-55.00	105.00	-10.44	1.78	2.04	0.00170	-76.25	
RIGHT	5.88534E-01	-63.94		2.40457E+00	116.48		
-50.00	105.00	-7.02	4.60	4.89	0.03759	-75.44	
RIGHT	8.72785E-01	-52.41		3.32515E+00	136.38		
-45.00	105.00	-4.53	6.44	6.77	0.07230	-74.70	
RIGHT	1.16285E+00	-39.80		4.10960E+00	156.14		
-40.00	105.00	-3.13	7.12	7.51	0.11254	-74.04	
RIGHT	1.36515E+00	-26.48		4.44497E+00	176.84		

-35.00	105.00	-3.22	6.22	6.69	0.17214	-73.81	
RIGHT	1.35199E+00	-13.36	4.00960E+00		-159.84		
-30.00	105.00	-5.82	2.58	3.17	0.30160	-76.92	
RIGHT	1.00163E+00	-3.88	2.63718E+00		-127.49		
-25.00	105.00	-14.06	-2.83	-2.52	0.01348	74.67	LEFT
3.87875E-01	-36.55	1.41362E+00	-33.53				
-20.00	105.00	-4.68	6.21	6.55	0.12143	-75.52	LEFT
1.14263E+00	-109.45	4.00528E+00	43.58				
-15.00	105.00	2.31	11.74	12.21	0.02054	-71.36	LEFT
2.55553E+00	-101.44	7.56402E+00	74.68				
-10.00	105.00	6.07	14.77	15.32	0.02754	-69.88	
RIGHT	3.93876E+00	-85.36	1.07224E+01		99.52		
-5.00	105.00	8.03	16.24	16.85	0.05750	-68.97	
RIGHT	4.93819E+00	-67.19	1.27087E+01		122.58		
0.00	105.00	8.61	16.47	17.13	0.07901	-68.33	
RIGHT	5.27989E+00	-48.27	1.30367E+01		144.77		
-90.00	110.00	-999.99	-999.99	-999.99	0.00000	0.00	
1.23700E-23	-86.96	8.91210E-12	-136.39				
-85.00	110.00	-54.64	-22.11	-22.11	0.01799	-89.12	LEFT
3.63181E-03	-86.33	1.53549E-01	44.14				
-80.00	110.00	-42.46	-15.88	-15.87	0.03546	-88.24	LEFT
1.47579E-02	-84.52	3.14730E-01	46.29				
-75.00	110.00	-35.08	-11.97	-11.95	0.05074	-87.25	LEFT
3.44951E-02	-81.74	4.93768E-01	51.54				
-70.00	110.00	-29.44	-8.86	-8.82	0.06018	-85.91	LEFT
6.60302E-02	-78.18	7.06159E-01	61.52				
-65.00	110.00	-24.54	-6.00	-5.94	0.05724	-84.09	LEFT
1.16101E-01	-73.76	9.81027E-01	76.98				
-60.00	110.00	-20.02	-3.11	-3.02	0.03623	-82.14	LEFT
1.95475E-01	-68.14	1.36954E+00	96.86				
-55.00	110.00	-15.84	-0.16	-0.05	0.00085	-80.66	LEFT
3.16176E-01	-61.00	1.92184E+00	118.69				
-50.00	110.00	-12.15	2.53	2.68	0.03955	-79.79	
RIGHT	4.83335E-01	-52.27	2.62128E+00		140.53		
-45.00	110.00	-9.16	4.59	4.77	0.08123	-79.33	
RIGHT	6.81928E-01	-42.23	3.32362E+00		161.96		
-40.00	110.00	-7.11	5.64	5.86	0.12844	-79.17	
RIGHT	8.63383E-01	-31.56	3.74786E+00		-176.27		
-35.00	110.00	-6.35	5.14	5.44	0.19581	-79.75	
RIGHT	9.43073E-01	-21.62	3.53995E+00		-152.33		
-30.00	110.00	-7.48	1.96	2.43	0.32735	-85.32	
RIGHT	8.27662E-01	-16.65	2.45368E+00		-119.16		
-25.00	110.00	-10.93	-2.45	-1.87	0.05123	69.53	LEFT
5.56371E-01	-36.97	1.47694E+00	-28.06				
-20.00	110.00	-7.12	6.24	6.44	0.14585	-81.04	LEFT
8.62719E-01	-89.54	4.01822E+00	46.37				
-15.00	110.00	-0.53	11.85	12.09	0.03267	-76.59	LEFT
1.84287E+00	-94.60	7.66087E+00	77.15				
-10.00	110.00	3.52	14.98	15.28	0.02190	-75.09	
RIGHT	2.93599E+00	-83.82	1.09867E+01		101.21		
-5.00	110.00	5.75	16.51	16.86	0.05547	-74.12	
RIGHT	3.79785E+00	-68.67	1.31048E+01		123.27		



	0.00	110.00	6.55	16.73	17.13	0.07901	-73.33	
RIGHT	4.16079E+00		-51.81	1.34358E+01		144.32		
	-90.00	115.00	-999.99	-999.99	-999.99	0.00000	0.00	
1.00805E-23	-64.43		9.90653E-12	-100.13				
	-85.00	115.00	-56.54	-21.38	-21.38	0.01066	-89.21	LEFT
2.91798E-03	-63.34		1.67012E-01	79.04				
	-80.00	115.00	-44.76	-15.65	-15.65	0.02385	-88.53	LEFT
1.13252E-02	-60.29		3.23054E-01	76.81				
	-75.00	115.00	-38.15	-12.38	-12.36	0.03921	-88.09	LEFT
2.42426E-02	-55.93		4.71089E-01	74.36				
	-70.00	115.00	-33.71	-9.88	-9.86	0.05200	-87.83	LEFT
4.04040E-02	-51.58		6.27942E-01	74.40				
	-65.00	115.00	-30.35	-7.67	-7.64	0.05627	-87.30	LEFT
5.94886E-02	-49.34		8.10264E-01	80.48				
	-60.00	115.00	-27.20	-5.52	-5.49	0.04588	-86.08	LEFT
8.55113E-02	-51.10		1.03703E+00	94.91				
	-55.00	115.00	-23.44	-3.17	-3.13	0.01322	-84.52	LEFT
1.31808E-01	-55.16		1.35989E+00	116.93				
	-50.00	115.00	-19.06	-0.52	-0.46	0.03715	-83.59	
RIGHT	2.18189E-01		-56.24	1.84510E+00		142.31		
	-45.00	115.00	-14.82	1.97	2.06	0.09062	-83.56	
RIGHT	3.55432E-01		-52.19	2.45583E+00		167.16		
	-40.00	115.00	-11.36	3.60	3.74	0.14576	-84.11	
RIGHT	5.29506E-01		-44.62	2.96478E+00		-169.06		
	-35.00	115.00	-9.04	3.70	3.92	0.21813	-85.67	
RIGHT	6.91807E-01		-36.03	2.99689E+00		-144.21		
	-30.00	115.00	-8.14	1.10	1.59	0.33925	86.44	
RIGHT	7.66730E-01		-29.71	2.22341E+00		-110.52		
	-25.00	115.00	-8.83	-2.46	-1.56	0.07179	64.59	LEFT
7.08347E-01	-32.99		1.47521E+00	-22.44				
	-20.00	115.00	-8.97	6.07	6.20	0.16639	-86.53	LEFT
6.97370E-01	-59.37		3.93841E+00	50.06				
	-15.00	115.00	-4.61	11.82	11.92	0.04306	-81.78	LEFT
1.15174E+00	-82.78		7.63909E+00	80.26				
	-10.00	115.00	-0.18	15.09	15.22	0.01708	-80.26	
RIGHT	1.91881E+00		-82.54	1.11254E+01		103.31		
	-5.00	115.00	2.59	16.69	16.86	0.05371	-79.25	
RIGHT	2.63983E+00		-72.22	1.33843E+01		124.16		
	0.00	115.00	3.81	16.92	17.13	0.07901	-78.33	
RIGHT	3.03754E+00		-57.96	1.37334E+01		143.90		
	-90.00	120.00	-999.99	-999.99	-999.99	0.00000	0.00	
1.28147E-23	-31.99		7.77769E-12	-72.09				
	-85.00	120.00	-54.41	-23.64	-23.63	0.01987	-88.79	LEFT
3.72924E-03	-30.44		1.28835E-01	106.19				
	-80.00	120.00	-42.51	-18.32	-18.30	0.04953	-87.89	LEFT
1.46627E-02	-25.93		2.37606E-01	100.59				
	-75.00	120.00	-35.82	-15.48	-15.44	0.09043	-88.13	LEFT
3.16992E-02	-18.75		3.29656E-01	90.96				
	-70.00	120.00	-31.52	-13.01	-12.95	0.11870	-89.97	LEFT
5.20046E-02	-9.42		4.38104E-01	80.86				
	-65.00	120.00	-28.94	-10.48	-10.42	0.11597	88.39	LEFT
6.99318E-02	1.09		5.85993E-01	77.62				

-60.00	120.00	-28.18	-8.30	-8.26	0.09817	88.55	LEFT
7.63723E-02	10.40	7.53190E-01		86.06			
-55.00	120.00	-30.08	-6.43	-6.41	0.06493	-89.43	LEFT
6.13799E-02	8.83	9.34281E-01		107.56			
-50.00	120.00	-30.68	-4.07	-4.06	0.00459	-87.34	
RIGHT	5.72487E-02	-46.76		1.22522E+00	138.90		
-45.00	120.00	-21.35	-1.10	-1.06	0.08609	-87.42	
RIGHT	1.67698E-01	-71.96		1.72556E+00	170.62		
-40.00	120.00	-14.78	1.37	1.47	0.15449	-88.84	
RIGHT	3.57078E-01	-64.61		2.29164E+00	-161.92		
-35.00	120.00	-10.53	2.24	2.46	0.22864	88.61	
RIGHT	5.82605E-01	-51.64		2.53403E+00	-135.91		
-30.00	120.00	-8.07	0.36	0.94	0.33202	79.58	
RIGHT	7.73026E-01	-38.12		2.04050E+00	-102.64		
-25.00	120.00	-7.42	-2.83	-1.53	0.06229	59.61	LEFT
8.33624E-01	-27.03	1.41459E+00		-18.88			
-20.00	120.00	-8.86	5.65	5.80	0.18449	87.92	LEFT
7.05862E-01	-24.91	3.75402E+00		54.34			
-15.00	120.00	-10.88	11.66	11.69	0.05184	-86.93	LEFT
5.59841E-01	-51.91	7.49978E+00		83.95			
-10.00	120.00	-6.69	15.10	15.13	0.01311	-85.41	
RIGHT	9.06086E-01	-83.55		1.11411E+01	105.79		
-5.00	120.00	-2.26	16.80	16.85	0.05225	-84.38	
RIGHT	1.50998E+00	-83.01		1.35460E+01	125.24		
0.00	120.00	0.04	17.04	17.13	0.07901	-83.33	
RIGHT	1.96628E+00	-71.06		1.39272E+01	143.50		
-90.00	125.00	-999.99	-999.99	-999.99	0.00000	0.00	
2.31616E-23	-6.40	6.35057E-12		-31.14			
-85.00	125.00	-49.24	-25.61	-25.59	0.03056	-86.66	LEFT
6.75573E-03	-5.03	1.02614E-01		147.20			
-80.00	125.00	-37.29	-21.05	-20.95	0.09417	-83.04	LEFT
2.67539E-02	-0.99	1.73516E-01		140.71			
-75.00	125.00	-30.47	-19.50	-19.17	0.24348	-81.79	LEFT
5.86736E-02	5.67	2.07437E-01		124.31			
-70.00	125.00	-25.95	-17.41	-16.84	0.37013	86.86	LEFT
9.87335E-02	14.87	2.63925E-01		97.60			
-65.00	125.00	-22.99	-13.61	-13.13	0.26596	78.02	LEFT
1.38831E-01	26.56	4.08757E-01		81.22			
-60.00	125.00	-21.49	-10.37	-10.04	0.18005	78.02	LEFT
1.65044E-01	40.87	5.93568E-01		83.38			
-55.00	125.00	-21.88	-8.38	-8.19	0.14031	81.01	LEFT
1.57751E-01	58.60	7.46228E-01		101.45			
-50.00	125.00	-26.18	-6.60	-6.56	0.07897	86.05	LEFT
9.60964E-02	85.95	9.15661E-01		135.06			
-45.00	125.00	-29.45	-3.55	-3.54	0.03924	88.16	
RIGHT	6.59995E-02	-135.21		1.30170E+00	174.00		
-40.00	125.00	-17.00	-0.33	-0.24	0.13388	86.57	
RIGHT	2.76586E-01	-88.07		1.88548E+00	-154.40		
-35.00	125.00	-11.09	1.31	1.55	0.21210	83.61	
RIGHT	5.46125E-01	-64.26		2.27724E+00	-127.77		
-30.00	125.00	-7.80	0.12	0.77	0.30576	75.30	
RIGHT	7.97815E-01	-42.58		1.98652E+00	-96.53		

-25.00	125.00	-6.47	-3.40	-1.66	0.00920	54.91	LEFT
9.29862E-01	-21.01	1.32332E+00	-19.89				
-20.00	125.00	-7.31	4.95	5.20	0.20155	82.17	LEFT
8.44083E-01	1.57	3.46129E+00	58.87				
-15.00	125.00	-11.84	11.37	11.39	0.05916	87.95	LEFT
5.01074E-01	29.16	7.24878E+00	88.13				
-10.00	125.00	-22.23	15.02	15.02	0.01000	89.46	
RIGHT	1.51534E-01	155.39	1.10394E+01		108.61		
-5.00	125.00	-8.87	16.83	16.84	0.05110	-89.49	
RIGHT	7.05007E-01	-133.64	1.35903E+01		126.48		
0.00	125.00	-4.40	17.09	17.13	0.07901	-88.33	
RIGHT	1.18065E+00	-106.73	1.40157E+01		143.10		
-90.00	130.00	-999.99	-999.99	-999.99	0.00000	0.00	
3.43629E-23	17.05	1.00163E-11	7.49				
-85.00	130.00	-45.82	-21.57	-21.55	0.01166	-86.56	LEFT
1.00257E-02	18.25	1.63509E-01	-172.76				
-80.00	130.00	-33.85	-16.83	-16.74	0.03782	-82.27	LEFT
3.97648E-02	21.85	2.82169E-01	-174.02				
-75.00	130.00	-26.98	-15.67	-15.36	0.11400	-76.13	LEFT
8.76668E-02	27.85	3.22548E-01	-178.55				
-70.00	130.00	-22.35	-16.58	-15.56	0.34850	-68.95	LEFT
1.49375E-01	36.28	2.90296E-01	166.48				
-65.00	130.00	-19.18	-16.44	-14.58	0.72348	83.73	LEFT
2.15309E-01	47.28	2.95154E-01	133.18				
-60.00	130.00	-17.26	-12.84	-11.50	0.40730	65.50	LEFT
2.68418E-01	61.23	4.46678E-01	113.54				
-55.00	130.00	-16.75	-9.73	-8.94	0.26492	70.17	LEFT
2.84591E-01	79.46	6.38998E-01	121.22				
-50.00	130.00	-18.16	-7.36	-7.02	0.18294	77.41	LEFT
2.41973E-01	106.87	8.38798E-01	148.53				
-45.00	130.00	-21.06	-4.16	-4.07	0.04588	82.29	LEFT
1.73345E-01	165.66	1.21283E+00	-175.26				
-40.00	130.00	-16.50	-0.68	-0.56	0.07610	81.87	
RIGHT	2.93176E-01	-115.83	1.81151E+00		-144.50		
-35.00	130.00	-10.72	1.36	1.62	0.16498	79.44	
RIGHT	5.70029E-01	-76.09	2.29090E+00		-119.36		
-30.00	130.00	-7.33	0.67	1.31	0.26073	73.20	
RIGHT	8.41819E-01	-46.57	2.11643E+00		-91.88		
-25.00	130.00	-5.81	-3.71	-1.62	0.09034	51.98	
RIGHT	1.00331E+00	-16.72	1.27778E+00		-27.35		
-20.00	130.00	-5.71	3.90	4.35	0.21847	76.01	LEFT
1.01528E+00	18.87	3.06830E+00	63.22				
-15.00	130.00	-6.05	10.94	11.02	0.06516	82.84	LEFT
9.75812E-01	64.85	6.89736E+00	92.74				
-10.00	130.00	-5.22	14.85	14.90	0.00777	84.35	
RIGHT	1.07430E+00	116.26	1.08286E+01		111.73		
-5.00	130.00	-3.69	16.78	16.82	0.05027	85.41	
RIGHT	1.28066E+00	160.15	1.35191E+01		127.87		
0.00	130.00	-3.09	17.08	17.13	0.07901	86.67	
RIGHT	1.37288E+00	-163.37	1.39982E+01		142.71		
-90.00	135.00	-999.99	-999.99	-999.99	0.00000	0.00	
3.73013E-23	43.94	1.77214E-11	30.33				

-85.00	135.00	-45.07	-16.49	-16.48	0.00940	-87.94	LEFT
1.09216E-02	45.08	2.93391E-01	-149.56				
-80.00	135.00	-33.01	-11.35	-11.32	0.02525	-85.50	LEFT
4.37969E-02	48.49	5.30302E-01	-149.43				
-75.00	135.00	-25.98	-9.41	-9.31	0.05958	-82.26	LEFT
9.83711E-02	54.19	6.62974E-01	-149.95				
-70.00	135.00	-21.12	-9.32	-9.04	0.14170	-77.89	LEFT
1.72128E-01	62.23	6.69638E-01	-152.94				
-65.00	135.00	-17.64	-10.45	-9.69	0.33608	-74.23	LEFT
2.57031E-01	72.80	5.88130E-01	-162.58				
-60.00	135.00	-15.31	-10.98	-9.62	0.60619	-87.76	LEFT
3.36016E-01	86.45	5.53308E-01	178.79				
-55.00	135.00	-14.17	-9.13	-7.95	0.46731	72.26	LEFT
3.83292E-01	104.70	6.84285E-01	168.80				
-50.00	135.00	-14.28	-6.29	-5.65	0.27947	74.04	LEFT
3.78307E-01	131.67	9.48973E-01	-179.43				
-45.00	135.00	-14.79	-2.96	-2.69	0.11624	77.13	LEFT
3.56798E-01	176.19	1.39225E+00	-155.33				
-40.00	135.00	-12.54	0.31	0.53	0.01281	77.18	
RIGHT	4.62522E-01	-127.73	2.02882E+00		-131.12		
-35.00	135.00	-8.76	2.32	2.65	0.10755	75.55	
RIGHT	7.14167E-01	-85.51	2.55936E+00		-109.76		
-30.00	135.00	-6.24	1.91	2.52	0.20390	71.46	
RIGHT	9.54800E-01	-51.75	2.43864E+00		-86.97		
-25.00	135.00	-5.21	-2.98	-0.94	0.19664	52.87	
RIGHT	1.07550E+00	-15.58	1.39001E+00		-38.61		
-20.00	135.00	-4.55	2.45	3.24	0.23438	69.08	LEFT
1.15998E+00	30.21	2.59716E+00	66.84				
-15.00	135.00	-2.46	10.37	10.59	0.06997	77.73	LEFT
1.47582E+00	79.03	6.46226E+00	97.74				
-10.00	135.00	0.17	14.60	14.76	0.00642	79.26	
RIGHT	1.99721E+00	117.12	1.05194E+01		115.12		
-5.00	135.00	1.66	16.66	16.80	0.04976	80.32	
RIGHT	2.37020E+00	146.12	1.33357E+01		129.37		
0.00	135.00	1.42	17.01	17.13	0.07901	81.67	
RIGHT	2.30737E+00	171.33	1.38748E+01		142.31		
-90.00	140.00	-999.99	-999.99	-999.99	0.00000	0.00	
2.93928E-23	78.86	2.50544E-11	50.96				
-85.00	140.00	-47.03	-13.44	-13.44	0.01007	-88.95	LEFT
8.71579E-03	79.92	4.16869E-01	-128.89				
-80.00	140.00	-34.66	-8.15	-8.14	0.02475	-87.69	LEFT
3.62078E-02	83.08	7.66108E-01	-128.56				
-75.00	140.00	-27.18	-5.93	-5.89	0.05157	-86.02	LEFT
8.57052E-02	88.32	9.89919E-01	-128.44				
-70.00	140.00	-21.77	-5.35	-5.26	0.10595	-83.86	LEFT
1.59670E-01	95.73	1.05733E+00	-129.47				
-65.00	140.00	-17.70	-5.91	-5.63	0.21680	-82.11	LEFT
2.55166E-01	105.61	9.92165E-01	-133.53				
-60.00	140.00	-14.74	-6.72	-6.08	0.39094	-85.92	LEFT
3.58921E-01	118.74	9.03559E-01	-142.53				
-55.00	140.00	-12.81	-6.25	-5.38	0.43477	79.71	LEFT
4.48125E-01	136.77	9.54151E-01	-151.37				

-50.00	140.00	-11.70	-4.10	-3.40	0.29085	73.25	LEFT
5.09453E-01	162.79	1.22187E+00	-148.18				
-45.00	140.00	-10.51	-1.11	-0.64	0.14262	72.89	LEFT
5.84199E-01	-160.89	1.72400E+00	-133.51				
-40.00	140.00	-8.20	1.83	2.24	0.02676	72.56	LEFT
7.61773E-01	-121.10	2.41680E+00	-115.74				
-35.00	140.00	-5.65	3.69	4.17	0.06243	71.47	
RIGHT	1.02142E+00	-86.90	2.99585E+00		-98.65		
-30.00	140.00	-4.24	3.42	4.11	0.15156	68.89	
RIGHT	1.20215E+00	-55.66	2.90375E+00		-80.44		
-25.00	140.00	-4.32	-1.22	0.51	0.24028	56.30	
RIGHT	1.19073E+00	-17.77	1.70127E+00		-46.68		
-20.00	140.00	-3.87	0.54	1.88	0.24324	60.90	LEFT
1.25464E+00	37.52	2.08441E+00	68.84				
-15.00	140.00	-0.18	9.67	10.10	0.07363	72.62	LEFT
1.91786E+00	88.51	5.96489E+00	103.06				
-10.00	140.00	3.32	14.27	14.61	0.00594	74.17	
RIGHT	2.87115E+00	120.04	1.01243E+01		118.74		
-5.00	140.00	5.04	16.47	16.77	0.04957	75.23	
RIGHT	3.49850E+00	142.38	1.30445E+01		130.98		
0.00	140.00	4.81	16.86	17.13	0.07901	76.67	
RIGHT	3.40688E+00	161.41	1.36465E+01		141.90		
-90.00	145.00	-999.99	-999.99	-999.99	0.00000	0.00	
1.91380E-23	128.07	2.65301E-11	73.08				
-85.00	145.00	-50.52	-12.94	-12.94	0.01082	-89.57	LEFT
5.83260E-03	128.16	4.41535E-01	-106.83				
-80.00	145.00	-37.52	-7.64	-7.64	0.02643	-88.96	LEFT
2.60524E-02	128.87	8.12346E-01	-106.66				
-75.00	145.00	-29.21	-5.38	-5.37	0.05443	-88.03	LEFT
6.78067E-02	131.05	1.05352E+00	-106.80				
-70.00	145.00	-22.96	-4.73	-4.67	0.10943	-86.84	LEFT
1.39217E-01	135.53	1.13601E+00	-108.06				
-65.00	145.00	-18.11	-5.11	-4.90	0.21544	-86.53	LEFT
2.43441E-01	143.00	1.08773E+00	-112.02				
-60.00	145.00	-14.40	-5.67	-5.12	0.36431	88.16	LEFT
3.72951E-01	154.39	1.01984E+00	-119.97				
-55.00	145.00	-11.65	-5.04	-4.18	0.38709	75.13	LEFT
5.12119E-01	171.13	1.09676E+00	-127.45				
-50.00	145.00	-9.45	-2.80	-1.95	0.26329	68.89	LEFT
6.59781E-01	-165.31	1.41906E+00	-125.22				
-45.00	145.00	-7.15	0.25	0.98	0.13923	68.01	LEFT
8.59738E-01	-136.12	2.01559E+00	-113.88				
-40.00	145.00	-4.57	3.15	3.82	0.04182	67.74	LEFT
1.15726E+00	-106.77	2.81287E+00	-99.95				
-35.00	145.00	-2.45	4.98	5.70	0.03600	67.05	
RIGHT	1.47668E+00	-80.66	3.47515E+00		-86.39		
-30.00	145.00	-1.69	4.85	5.72	0.11375	65.42	
RIGHT	1.61118E+00	-55.22	3.42271E+00		-72.16		
-25.00	145.00	-2.89	0.76	2.32	0.22253	58.00	
RIGHT	1.40384E+00	-21.16	2.13666E+00		-48.68		
-20.00	145.00	-3.56	-1.86	0.38	0.22722	51.18	LEFT
1.29984E+00	41.53	1.58045E+00	67.66				

-15.00	145.00	1.35	8.86	9.57	0.07608	67.48	LEFT
2.28741E+00	96.48	5.42962E+00	108.68				
-10.00	145.00	5.50	13.86	14.45	0.00633	69.09	
RIGHT	3.68945E+00	123.65	9.65664E+00		122.56		
-5.00	145.00	7.43	16.20	16.75	0.04970	70.16	
RIGHT	4.60766E+00	141.54	1.26508E+01		132.67		
0.00	145.00	7.29	16.65	17.13	0.07901	71.67	
RIGHT	4.53240E+00	156.38	1.33151E+01		141.47		
-90.00	150.00	-999.99	-999.99	-999.99	0.00000	0.00	
1.46587E-23	159.82	1.84754E-11	98.06				
-85.00	150.00	-52.60	-16.14	-16.14	0.01317	-89.58	LEFT
4.59221E-03	159.12	3.05360E-01	-81.98				
-80.00	150.00	-39.02	-11.03	-11.03	0.03465	-88.87	LEFT
2.19107E-02	158.15	5.49831E-01	-82.29				
-75.00	150.00	-30.07	-9.11	-9.07	0.07916	-87.61	LEFT
6.14059E-02	158.92	6.86305E-01	-83.49				
-70.00	150.00	-23.28	-8.92	-8.77	0.17891	-86.09	LEFT
1.34282E-01	162.62	7.01159E-01	-87.17				
-65.00	150.00	-17.99	-9.66	-9.06	0.38216	-88.36	LEFT
2.46824E-01	169.94	6.44098E-01	-96.40				
-60.00	150.00	-13.89	-9.57	-8.20	0.51962	71.56	LEFT
3.95794E-01	-178.27	6.50625E-01	-111.13				
-55.00	150.00	-10.63	-7.19	-5.57	0.35733	59.55	LEFT
5.76205E-01	-160.95	8.55958E-01	-117.79				
-50.00	150.00	-7.68	-3.45	-2.06	0.21977	59.94	LEFT
8.08476E-01	-138.14	1.31637E+00	-110.10				
-45.00	150.00	-4.64	0.54	1.69	0.11938	61.68	LEFT
1.14803E+00	-113.04	2.08439E+00	-96.87				
-40.00	150.00	-1.73	3.89	4.94	0.04035	62.44	LEFT
1.60428E+00	-90.01	3.06555E+00	-84.39				
-35.00	150.00	0.33	5.92	6.98	0.02493	62.31	
RIGHT	2.03451E+00	-69.98	3.87312E+00		-73.45		
-30.00	150.00	0.84	5.98	7.14	0.09085	61.33	
RIGHT	2.15796E+00	-50.28	3.89757E+00		-62.56		
-25.00	150.00	-1.01	2.42	4.05	0.18981	56.93	
RIGHT	1.74245E+00	-22.75	2.58878E+00		-46.05		
-20.00	150.00	-3.46	-4.62	-0.99	0.15768	40.99	LEFT
1.31445E+00	42.58	1.14999E+00	60.67				
-15.00	150.00	2.41	7.93	9.01	0.07716	62.33	LEFT
2.58508E+00	103.90	4.88155E+00	114.59				
-10.00	150.00	7.13	13.37	14.30	0.00759	64.02	
RIGHT	4.44964E+00	127.64	9.12974E+00		126.53		
-5.00	150.00	9.25	15.86	16.72	0.05014	65.09	
RIGHT	5.67893E+00	141.90	1.21605E+01		134.41		
0.00	150.00	9.19	16.36	17.13	0.07901	66.67	
RIGHT	5.64445E+00	153.35	1.28831E+01		141.02		
-90.00	155.00	-999.99	-999.99	-999.99	0.00000	0.00	
2.79006E-23	133.30	2.24219E-12	-177.35				
-85.00	155.00	-47.37	-35.26	-35.00	0.20294	-81.87	
RIGHT	8.38476E-03	135.25	3.38017E-02		11.77		
-80.00	155.00	-34.69	-31.06	-29.50	0.65836	-88.31	
RIGHT	3.61062E-02	140.67	5.47978E-02		49.21		

-75.00	155.00	-26.80	-24.42	-22.44	0.44456	56.73	
RIGHT	8.95398E-02	148.72	1.17677E-01	98.34			
-70.00	155.00	-21.00	-17.75	-16.07	0.30282	57.76	
RIGHT	1.74458E-01	159.05	2.53882E-01	122.59			
-65.00	155.00	-16.59	-13.56	-11.81	0.28444	56.60	
RIGHT	2.90002E-01	172.28	4.10931E-01	138.32			
-60.00	155.00	-13.18	-11.75	-9.40	0.28411	50.52	
RIGHT	4.29517E-01	-169.92	5.06251E-01	157.88			
-55.00	155.00	-10.20	-11.19	-7.66	0.15168	41.57	
RIGHT	6.05245E-01	-145.86	5.39755E-01	-163.22			
-50.00	155.00	-6.84	-6.71	-3.77	0.06239	45.42	LEFT
8.90988E-01	-117.69	9.04166E-01	-110.55				
-45.00	155.00	-3.03	-0.49	1.43	0.07823	53.38	LEFT
1.38096E+00	-92.24	1.85099E+00	-82.91				
-40.00	155.00	0.36	3.95	5.52	0.02732	56.54	LEFT
2.04052E+00	-72.64	3.08547E+00	-69.23				
-35.00	155.00	2.58	6.42	7.92	0.02474	57.28	
RIGHT	2.63559E+00	-57.06	4.10022E+00	-60.17			
-30.00	155.00	3.08	6.72	8.28	0.07959	56.85	
RIGHT	2.79026E+00	-42.20	4.24630E+00	-52.12			
-25.00	155.00	0.96	3.62	5.50	0.16367	54.13	
RIGHT	2.18700E+00	-21.17	2.97010E+00	-40.67			
-20.00	155.00	-3.38	-7.06	-1.83	0.03180	33.18	LEFT
1.32721E+00	41.32	8.68675E-01	45.29				
-15.00	155.00	3.17	6.92	8.45	0.07654	57.16	LEFT
2.81990E+00	111.17	4.34401E+00	120.77				
-10.00	155.00	8.40	12.81	14.15	0.00970	58.95	
RIGHT	5.15232E+00	131.87	8.55616E+00	130.62			
-5.00	155.00	10.69	15.44	16.69	0.05088	60.03	
RIGHT	6.70147E+00	142.89	1.15802E+01	136.17			
0.00	155.00	10.71	16.00	17.13	0.07901	61.67	
RIGHT	6.72417E+00	151.31	1.23539E+01	140.53			
-90.00	160.00	-999.99	-999.99	-999.99	0.00000	0.00	
7.89233E-23	142.28	2.22792E-11	-46.14				
-85.00	160.00	-38.58	-14.17	-14.16	0.00934	86.59	
RIGHT	2.30731E-02	143.25	3.83091E-01	134.30			
-80.00	160.00	-26.57	-8.04	-7.98	0.02147	83.35	
RIGHT	9.19295E-02	146.14	7.75670E-01	135.56			
-75.00	160.00	-19.68	-4.47	-4.34	0.03902	80.40	
RIGHT	2.03177E-01	150.94	1.17053E+00	137.57			
-70.00	160.00	-15.11	-2.16	-1.94	0.06505	77.83	
RIGHT	3.43953E-01	157.92	1.52750E+00	140.32			
-65.00	160.00	-12.13	-0.92	-0.60	0.10522	75.74	
RIGHT	4.84638E-01	168.06	1.76193E+00	144.05			
-60.00	160.00	-10.52	-0.98	-0.52	0.17559	74.14	
RIGHT	5.83501E-01	-175.73	1.74902E+00	149.70			
-55.00	160.00	-9.66	-3.12	-2.25	0.33775	71.60	
RIGHT	6.44319E-01	-146.90	1.36787E+00	161.25			
-50.00	160.00	-7.06	-8.39	-4.66	0.44924	38.41	
RIGHT	8.68522E-01	-105.24	7.45576E-01	-154.38			
-45.00	160.00	-2.32	-3.07	0.33	0.00897	42.54	
RIGHT	1.49861E+00	-73.38	1.37495E+00	-74.41			

-40.00	160.00	1.79	3.32	5.63	0.00445	50.01	LEFT
2.40653E+00	-55.13	2.86856E+00	-54.62				
-35.00	160.00	4.32	6.46	8.53	0.03217	52.01	
RIGHT	3.21874E+00	-42.99	4.11956E+00		-46.79		
-30.00	160.00	4.91	7.07	9.13	0.07674	52.13	
RIGHT	3.44618E+00	-32.20	4.41723E+00		-41.25		
-25.00	160.00	2.75	4.32	6.62	0.14729	50.40	
RIGHT	2.68670E+00	-16.74	3.22138E+00		-33.78		
-20.00	160.00	-3.16	-8.06	-1.94	0.10055	29.30	
RIGHT	1.36092E+00	39.08	7.74698E-01		25.69		
-15.00	160.00	3.72	5.84	7.92	0.07382	51.99	LEFT
3.00692E+00	118.53	3.83620E+00	127.23				
-10.00	160.00	9.43	12.17	14.02	0.01264	53.88	
RIGHT	5.80051E+00	136.28	7.94672E+00		134.76		
-5.00	160.00	11.86	14.92	16.67	0.05191	54.97	
RIGHT	7.66731E+00	144.24	1.09166E+01		137.92		
0.00	160.00	11.96	15.55	17.13	0.07901	56.67	
RIGHT	7.75891E+00	149.82	1.17317E+01		139.99		
-90.00	165.00	-999.99	-999.99	-999.99	0.00000	0.00	
1.56213E-22	164.37	4.50787E-11	-19.34				
-85.00	165.00	-32.69	-8.12	-8.10	0.00416	86.63	
RIGHT	4.54369E-02	164.81	7.69088E-01		160.76		
-80.00	165.00	-20.81	-2.18	-2.12	0.01025	83.35	
RIGHT	1.78346E-01	166.16	1.52341E+00		161.07		
-75.00	165.00	-14.13	1.12	1.25	0.02005	80.26	
RIGHT	3.84804E-01	168.45	2.22773E+00		161.59		
-70.00	165.00	-9.84	3.13	3.35	0.03543	77.50	
RIGHT	6.30475E-01	171.90	2.80939E+00		162.36		
-65.00	165.00	-7.25	4.13	4.44	0.05931	75.26	
RIGHT	8.49636E-01	177.14	3.15092E+00		163.54		
-60.00	165.00	-6.32	4.00	4.38	0.09922	73.91	
RIGHT	9.46222E-01	-173.84	3.10245E+00		165.54		
-55.00	165.00	-7.29	2.21	2.67	0.18416	74.35	
RIGHT	8.45889E-01	-153.92	2.52674E+00		169.80		
-50.00	165.00	-7.92	-2.86	-1.68	0.51267	76.95	
RIGHT	7.87123E-01	-103.15	1.40876E+00		-175.59		
-45.00	165.00	-2.41	-7.16	-1.16	0.18108	28.96	
RIGHT	1.48303E+00	-55.87	8.59260E-01		-79.71		
-40.00	165.00	2.69	2.07	5.40	0.02710	42.94	
RIGHT	2.66949E+00	-37.54	2.48474E+00		-40.65		
-35.00	165.00	5.61	6.08	8.86	0.04505	46.58	
RIGHT	3.73459E+00	-28.34	3.94578E+00		-33.51		
-30.00	165.00	6.34	7.02	9.70	0.07988	47.25	
RIGHT	4.06508E+00	-21.10	4.39310E+00		-30.26		
-25.00	165.00	4.21	4.56	7.40	0.13912	46.20	
RIGHT	3.18060E+00	-10.31	3.31119E+00		-26.17		
-20.00	165.00	-2.82	-7.87	-1.64	0.19269	27.84	
RIGHT	1.41560E+00	37.57	7.91733E-01		11.71		
-15.00	165.00	4.17	4.72	7.46	0.06855	46.82	LEFT
3.16527E+00	126.11	3.37128E+00	133.97				
-10.00	165.00	10.28	11.44	13.91	0.01636	48.80	
RIGHT	6.39888E+00	140.80	7.30992E+00		138.91		



-5.00	165.00	12.82	14.31	16.64	0.05320	49.93	
RIGHT	8.57007E+00	145.80	1.01765E+01		139.62		
0.00	165.00	12.99	15.01	17.13	0.07901	51.67	
RIGHT	8.73862E+00	148.68	1.10213E+01		139.39		
-90.00	170.00	-999.99	-999.99	-999.99	0.00000	0.00	
2.42672E-22	-171.30	6.23185E-11	5.35				
-85.00	170.00	-28.88	-5.32	-5.30	0.00413	86.21	
RIGHT	7.04817E-02	-171.13	1.06101E+00		-174.71		
-80.00	170.00	-17.04	0.56	0.64	0.00957	82.51	
RIGHT	2.75497E-01	-170.65	2.08949E+00		-174.89		
-75.00	170.00	-10.41	3.79	3.95	0.01754	79.01	
RIGHT	5.90654E-01	-169.81	3.02962E+00		-175.16		
-70.00	170.00	-6.19	5.72	5.99	0.02919	75.85	
RIGHT	9.60432E-01	-168.47	3.78499E+00		-175.50		
-65.00	170.00	-3.66	6.66	7.04	0.04625	73.24	
RIGHT	1.28430E+00	-166.26	4.21499E+00		-175.79		
-60.00	170.00	-2.81	6.53	7.01	0.07291	71.57	
RIGHT	1.41677E+00	-162.04	4.15464E+00		-175.78		
-55.00	170.00	-4.18	4.96	5.46	0.12449	71.91	
RIGHT	1.21056E+00	-151.47	3.46625E+00		-174.67		
-50.00	170.00	-8.16	0.73	1.25	0.29754	78.55	
RIGHT	7.65062E-01	-109.68	2.12945E+00		-168.88		
-45.00	170.00	-3.12	-9.55	-2.23	0.43342	11.51	
RIGHT	1.36687E+00	-38.70	6.52058E-01		-108.57		
-40.00	170.00	3.21	0.36	5.03	0.06374	35.68	
RIGHT	2.83430E+00	-19.73	2.04132E+00		-27.42		
-35.00	170.00	6.53	5.36	8.99	0.06166	41.10	
RIGHT	4.15414E+00	-13.41	3.62811E+00		-20.53		
-30.00	170.00	7.41	6.60	10.03	0.08731	42.30	
RIGHT	4.59468E+00	-9.42	4.18616E+00		-19.44		
-25.00	170.00	5.31	4.36	7.87	0.13721	41.74	
RIGHT	3.60937E+00	-2.63	3.23355E+00		-18.36		
-20.00	170.00	-2.52	-7.70	-1.37	0.24355	26.50	
RIGHT	1.46557E+00	38.04	8.07181E-01		5.08		
-15.00	170.00	4.57	3.57	7.11	0.06039	41.68	LEFT
3.31608E+00	133.99	2.95524E+00	140.95				
-10.00	170.00	11.01	10.62	13.83	0.02081	43.73	
RIGHT	6.95281E+00	145.37	6.65152E+00		142.99		
-5.00	170.00	13.63	13.59	16.62	0.05472	44.89	
RIGHT	9.40434E+00	147.50	9.36692E+00		141.24		
0.00	170.00	13.86	14.36	17.13	0.07901	46.67	
RIGHT	9.65461E+00	147.76	1.02285E+01		138.71		
-90.00	175.00	-999.99	-999.99	-999.99	0.00000	0.00	
3.17263E-22	-146.70	7.04366E-11	29.11				
-85.00	175.00	-26.55	-4.27	-4.24	0.00577	85.62	
RIGHT	9.20857E-02	-146.74	1.19833E+00		-151.08		
-80.00	175.00	-14.73	1.60	1.70	0.01239	81.35	
RIGHT	3.59293E-01	-146.87	2.35473E+00		-151.63		
-75.00	175.00	-8.13	4.80	5.02	0.02060	77.33	
RIGHT	7.68255E-01	-147.04	3.40312E+00		-152.54		
-70.00	175.00	-3.93	6.70	7.06	0.03107	73.70	
RIGHT	1.24556E+00	-147.17	4.23638E+00		-153.75		

-65.00	175.00	-1.43	7.61	8.13	0.04480	70.69	
RIGHT	1.66196E+00	-147.00	4.70560E+00	-155.19			
-60.00	175.00	-0.57	7.50	8.13	0.06435	68.71	
RIGHT	1.83336E+00	-145.83	4.64413E+00	-156.64			
-55.00	175.00	-1.96	6.03	6.67	0.09917	68.87	
RIGHT	1.56358E+00	-140.96	3.92213E+00	-157.54			
-50.00	175.00	-7.51	2.22	2.66	0.20683	75.81	
RIGHT	8.25130E-01	-113.37	2.52940E+00	-155.64			
-45.00	175.00	-4.12	-8.09	-2.66	0.58678	-14.39	
RIGHT	1.21873E+00	-19.84	7.71791E-01	-124.89			
-40.00	175.00	3.52	-1.55	4.70	0.09857	28.81	
RIGHT	2.93712E+00	-1.60	1.63882E+00	-14.87			
-35.00	175.00	7.16	4.34	8.99	0.08047	35.72	
RIGHT	4.46744E+00	1.58	3.22681E+00	-8.12			
-30.00	175.00	8.13	5.82	10.14	0.09784	37.33	
RIGHT	4.99393E+00	2.46	3.82849E+00	-9.11			
-25.00	175.00	6.03	3.72	8.04	0.14007	37.15	
RIGHT	3.92125E+00	5.74	3.00399E+00	-10.79			
-20.00	175.00	-2.48	-8.14	-1.44	0.27395	24.12	
RIGHT	1.47232E+00	41.01	7.66981E-01	2.55			
-15.00	175.00	4.99	2.42	6.90	0.04922	36.58	LEFT
3.48028E+00	142.18	2.58642E+00	148.06				
-10.00	175.00	11.63	9.69	13.77	0.02591	38.65	
RIGHT	7.46733E+00	149.96	5.97460E+00	146.92			
-5.00	175.00	14.30	12.75	16.60	0.05646	39.85	
RIGHT	1.01654E+01	149.27	8.49482E+00	142.70			
0.00	175.00	14.59	13.59	17.13	0.07901	41.67	
RIGHT	1.04992E+01	146.99	9.35953E+00	137.90			
-90.00	180.00	-999.99	-999.99	-999.99	0.00000	0.00	
3.59437E-22	-122.53	6.83691E-11	51.86				
-85.00	180.00	-25.47	-4.53	-4.49	0.00883	84.90	
RIGHT	1.04271E-01	-122.74	1.16267E+00	-128.44			
-80.00	180.00	-13.66	1.33	1.46	0.01797	79.96	
RIGHT	4.06241E-01	-123.36	2.28211E+00	-129.34			
-75.00	180.00	-7.08	4.51	4.80	0.02764	75.33	
RIGHT	8.66639E-01	-124.37	3.29257E+00	-130.81			
-70.00	180.00	-2.91	6.40	6.88	0.03806	71.20	
RIGHT	1.40092E+00	-125.68	4.09077E+00	-132.80			
-65.00	180.00	-0.43	7.30	7.97	0.04969	67.82	
RIGHT	1.86290E+00	-127.11	4.53649E+00	-135.22			
-60.00	180.00	0.38	7.18	8.01	0.06410	65.63	
RIGHT	2.04685E+00	-128.15	4.47673E+00	-137.87			
-55.00	180.00	-1.07	5.75	6.57	0.08761	65.88	
RIGHT	1.73123E+00	-126.95	3.79700E+00	-140.27			
-50.00	180.00	-7.53	2.10	2.55	0.16106	73.91	
RIGHT	8.23334E-01	-108.70	2.49509E+00	-140.54			
-45.00	180.00	-4.82	-7.59	-2.98	0.49437	-29.72	
RIGHT	1.12419E+00	3.41	8.17115E-01	-119.94			
-40.00	180.00	3.77	-3.31	4.55	0.12547	23.01	
RIGHT	3.02417E+00	16.72	1.33744E+00	-2.79			
-35.00	180.00	7.56	3.08	8.88	0.10030	30.55	
RIGHT	4.67372E+00	16.39	2.79305E+00	3.36			

-30.00	180.00	8.54	4.69	10.04	0.11063	32.40	
RIGHT	5.23222E+00	14.28	3.36194E+00		0.37		
-25.00	180.00	6.37	2.64	7.90	0.14669	32.52	
RIGHT	4.07550E+00	14.41	2.65456E+00		-3.89		
-20.00	180.00	-2.91	-9.36	-2.03	0.30171	20.41	
RIGHT	1.40036E+00	46.67	6.66733E-01		1.23		
-15.00	180.00	5.47	1.23	6.86	0.03526	31.50	LEFT
3.67616E+00	150.60	2.25592E+00	155.13				
-10.00	180.00	12.17	8.61	13.75	0.03155	33.58	
RIGHT	7.94622E+00	154.50	5.27981E+00		150.58		
-5.00	180.00	14.87	11.74	16.59	0.05839	34.82	
RIGHT	1.08490E+01	151.06	7.56734E+00		143.94		
0.00	180.00	15.20	12.67	17.13	0.07901	36.67	
RIGHT	1.12654E+01	146.34	8.42160E+00		136.91		
-90.00	185.00	-999.99	-999.99	-999.99	0.00000	0.00	
3.53803E-22	-99.26	5.73985E-11	73.15				
-85.00	185.00	-25.62	-6.05	-6.00	0.01383	84.05	
RIGHT	1.02585E-01	-99.62	9.75903E-01		-107.26		
-80.00	185.00	-13.82	-0.20	-0.01	0.02706	78.32	
RIGHT	3.99009E-01	-100.69	1.91433E+00		-108.47		
-75.00	185.00	-7.26	2.98	3.37	0.03918	73.03	
RIGHT	8.48801E-01	-102.44	2.75929E+00		-110.44		
-70.00	185.00	-3.13	4.85	5.49	0.04989	68.40	
RIGHT	1.36619E+00	-104.81	3.42397E+00		-113.12		
-65.00	185.00	-0.71	5.74	6.63	0.05921	64.71	
RIGHT	1.80453E+00	-107.65	3.79150E+00		-116.39		
-60.00	185.00	0.00	5.61	6.66	0.06797	62.51	
RIGHT	1.95853E+00	-110.57	3.73520E+00		-120.03		
-55.00	185.00	-1.73	4.16	5.16	0.07995	63.34	
RIGHT	1.60554E+00	-112.16	3.16123E+00		-123.51		
-50.00	185.00	-9.89	0.48	0.86	0.12660	74.59	
RIGHT	6.27372E-01	-98.16	2.06999E+00		-124.84		
-45.00	185.00	-4.47	-9.22	-3.22	0.34392	-25.41	
RIGHT	1.16999E+00	30.96	6.77273E-01		-103.86		
-40.00	185.00	4.06	-4.65	4.60	0.14470	18.66	
RIGHT	3.12400E+00	34.81	1.14612E+00		8.82		
-35.00	185.00	7.73	1.62	8.68	0.12048	25.68	
RIGHT	4.76852E+00	30.76	2.35970E+00		13.38		
-30.00	185.00	8.63	3.20	9.72	0.12511	27.56	
RIGHT	5.28699E+00	25.77	2.83147E+00		8.55		
-25.00	185.00	6.30	1.12	7.45	0.15650	27.94	
RIGHT	4.04486E+00	23.05	2.22873E+00		1.87		
-20.00	185.00	-4.05	-11.38	-3.31	0.33884	14.98	
RIGHT	1.22880E+00	55.64	5.28436E-01		-1.23		
-15.00	185.00	6.02	-0.04	6.98	0.01913	26.44	LEFT
3.91670E+00	159.07	1.94878E+00	161.82				
-10.00	185.00	12.64	7.35	13.77	0.03762	28.50	
RIGHT	8.39116E+00	158.94	4.56619E+00		153.81		
-5.00	185.00	15.34	10.54	16.58	0.06047	29.80	
RIGHT	1.14512E+01	152.84	6.59194E+00		144.83		
0.00	185.00	15.71	11.57	17.13	0.07901	31.67	
RIGHT	1.19473E+01	145.76	7.42269E+00		135.67		

-90.00	190.00	-999.99	-999.99	-999.99	0.00000	0.00	
2.94633E-22	-77.45	4.06743E-11	92.03				
-85.00	190.00	-27.21	-9.04	-8.97	0.02219	83.08	
RIGHT	8.53859E-02	-77.96	6.91649E-01		-88.47		
-80.00	190.00	-15.43	-3.18	-2.93	0.04192	76.47	
RIGHT	3.31581E-01	-79.48	1.35727E+00		-89.94		
-75.00	190.00	-8.90	0.00	0.52	0.05737	70.47	
RIGHT	7.03144E-01	-81.99	1.95735E+00		-92.34		
-70.00	190.00	-4.81	1.87	2.72	0.06758	65.38	
RIGHT	1.12510E+00	-85.41	2.42959E+00		-95.57		
-65.00	190.00	-2.50	2.75	3.89	0.07227	61.55	
RIGHT	1.46882E+00	-89.64	2.68884E+00		-99.48		
-60.00	190.00	-2.02	2.60	3.89	0.07116	59.71	
RIGHT	1.55248E+00	-94.45	2.64108E+00		-103.78		
-55.00	190.00	-4.44	1.07	2.14	0.06345	62.22	
RIGHT	1.17458E+00	-98.96	2.21460E+00		-107.74		
-50.00	190.00	-19.33	-2.86	-2.76	0.06794	82.38	
RIGHT	2.11433E-01	-81.03	1.40870E+00		-108.47		
-45.00	190.00	-3.00	-12.85	-2.57	0.23353	-12.51	
RIGHT	1.38648E+00	57.51	4.45986E-01		-73.05		
-40.00	190.00	4.33	-5.54	4.76	0.16159	15.50	
RIGHT	3.22523E+00	52.03	1.03430E+00		19.24		
-35.00	190.00	7.67	-0.06	8.35	0.14092	21.13	
RIGHT	4.73518E+00	44.41	1.94455E+00		21.26		
-30.00	190.00	8.39	1.33	9.17	0.14093	22.87	
RIGHT	5.14295E+00	36.68	2.28270E+00		14.80		
-25.00	190.00	5.80	-0.85	6.65	0.16932	23.50	
RIGHT	3.81768E+00	31.38	1.77643E+00		5.89		
-20.00	190.00	-6.16	-14.08	-5.51	0.38875	5.83	
RIGHT	9.63499E-01	70.41	3.86972E-01		-7.14		
-15.00	190.00	6.64	-1.51	7.26	0.00175	21.37	LEFT
4.20721E+00	167.39	1.64629E+00	167.68				
-10.00	190.00	13.05	5.83	13.81	0.04397	23.43	
RIGHT	8.80118E+00	163.23	3.83230E+00		156.35		
-5.00	190.00	15.72	9.09	16.58	0.06267	24.79	
RIGHT	1.19683E+01	154.58	5.57685E+00		145.19		
0.00	190.00	16.13	10.25	17.13	0.07901	26.67	
RIGHT	1.25392E+01	145.24	6.37188E+00		134.03		
-90.00	195.00	-999.99	-999.99	-999.99	0.00000	0.00	
1.89660E-22	-58.59	2.24897E-11	105.73				
-85.00	195.00	-31.03	-14.18	-14.09	0.03771	82.11	
RIGHT	5.49743E-02	-59.28	3.82920E-01		-74.80		
-80.00	195.00	-19.25	-8.29	-7.95	0.06840	74.64	
RIGHT	2.13529E-01	-61.33	7.54204E-01		-76.39		
-75.00	195.00	-12.73	-5.06	-4.38	0.08741	67.98	
RIGHT	4.52174E-01	-64.72	1.09330E+00		-78.94		
-70.00	195.00	-8.71	-3.14	-2.08	0.09292	62.56	
RIGHT	7.18714E-01	-69.42	1.36412E+00		-82.33		
-65.00	195.00	-6.57	-2.24	-0.87	0.08408	58.95	
RIGHT	9.19097E-01	-75.48	1.51368E+00		-86.33		
-60.00	195.00	-6.62	-2.43	-1.03	0.05638	58.39	
RIGHT	9.13907E-01	-83.23	1.47987E+00		-90.45		

-55.00	195.00	-11.16	-4.17	-3.38	0.01356	65.92	LEFT
5.41936E-01	-95.41	1.21209E+00	-93.33				
-50.00	195.00	-14.99	-8.77	-7.84	0.06406	-64.14	LEFT
3.48768E-01	100.81	7.13612E-01	-88.49				
-45.00	195.00	-1.27	-15.05	-1.09	0.20344	-1.21	
RIGHT	1.69252E+00	79.23	3.46177E-01		-16.45		
-40.00	195.00	4.46	-6.22	4.82	0.18065	12.97	
RIGHT	3.27335E+00	67.78	9.57332E-01		27.28		
-35.00	195.00	7.32	-1.97	7.80	0.16191	16.87	
RIGHT	4.54664E+00	57.01	1.56137E+00		26.11		
-30.00	195.00	7.78	-0.92	8.33	0.15789	18.38	
RIGHT	4.79503E+00	46.75	1.76169E+00		18.33		
-25.00	195.00	4.79	-3.24	5.43	0.18534	19.36	
RIGHT	3.40032E+00	39.07	1.34817E+00		7.54		
-20.00	195.00	-9.24	-16.98	-8.56	0.35156	-12.03	
RIGHT	6.76148E-01	99.65	2.77172E-01		-17.28		
-15.00	195.00	7.31	-3.36	7.67	0.01592	16.29	
RIGHT	4.54365E+00	175.31	1.32951E+00		171.93		
-10.00	195.00	13.41	3.93	13.88	0.05048	18.36	
RIGHT	9.17247E+00	167.32	3.07809E+00		157.71		
-5.00	195.00	16.03	7.29	16.57	0.06496	19.79	
RIGHT	1.23970E+01	156.24	4.53193E+00		144.67		
0.00	195.00	16.47	8.61	17.13	0.07901	21.67	
RIGHT	1.30367E+01	144.77	5.27989E+00		131.73		
-90.00	200.00	-999.99	-999.99	-999.99	0.00000	0.00	
6.35569E-23	-54.06	7.77077E-12	97.13				
-85.00	200.00	-40.46	-23.37	-23.29	0.06458	82.93	
RIGHT	1.85656E-02	-55.03	1.32843E-01		-83.01		
-80.00	200.00	-28.50	-17.39	-17.06	0.11250	75.73	
RIGHT	7.35659E-02	-57.95	2.64582E-01		-83.45		
-75.00	200.00	-21.78	-14.04	-13.36	0.12952	68.73	
RIGHT	1.59459E-01	-62.97	3.89124E-01		-84.25		
-70.00	200.00	-17.67	-12.01	-10.97	0.10617	62.91	
RIGHT	2.56236E-01	-70.57	4.91145E-01		-85.41		
-65.00	200.00	-15.80	-11.12	-9.85	0.02999	59.75	
RIGHT	3.17751E-01	-82.65	5.44230E-01		-86.60		
-60.00	200.00	-16.96	-11.61	-10.50	0.16099	62.63	LEFT
2.77923E-01	-108.69	5.14458E-01	-86.65				
-55.00	200.00	-16.73	-14.32	-12.35	0.61339	-63.26	LEFT
2.85485E-01	167.37	3.76449E-01	-80.41				
-50.00	200.00	-6.83	-19.39	-6.60	0.11339	-11.68	
RIGHT	8.91722E-01	116.56	2.10171E-01		-33.35		
-45.00	200.00	-0.07	-12.69	0.16	0.21842	4.76	
RIGHT	1.94314E+00	96.44	4.54150E-01		26.26		
-40.00	200.00	4.24	-6.92	4.56	0.20344	10.62	
RIGHT	3.19178E+00	81.62	8.82450E-01		32.10		
-35.00	200.00	6.58	-4.05	6.94	0.18379	12.95	
RIGHT	4.17891E+00	68.21	1.22876E+00		27.15		
-30.00	200.00	6.74	-3.48	7.14	0.17577	14.23	
RIGHT	4.25535E+00	55.61	1.31188E+00		18.34		
-25.00	200.00	3.17	-5.96	3.67	0.20505	15.86	
RIGHT	2.81950E+00	45.70	9.86152E-01		6.55		

-20.00	200.00	-9.83	-19.39	-9.38	0.01074	-18.40	
RIGHT	6.31272E-01	153.36	2.10160E-01	-24.59			
-15.00	200.00	7.99	-5.97	8.16	0.03304	11.19	
RIGHT	4.91248E+00	-177.33	9.84824E-01	172.81			
-10.00	200.00	13.72	1.43	13.96	0.05702	13.29	
RIGHT	9.49849E+00	171.17	2.30854E+00	156.83			
-5.00	200.00	16.26	4.97	16.57	0.06731	14.80	
RIGHT	1.27340E+01	157.81	3.47104E+00	142.50			
0.00	200.00	16.73	6.55	17.13	0.07901	16.67	
RIGHT	1.34358E+01	144.32	4.16079E+00	128.19			
-90.00	205.00	-999.99	-999.99	-999.99	0.00000	0.00	
6.72860E-23	-170.05	6.43007E-12	17.81				
-85.00	205.00	-40.12	-25.21	-25.07	0.02295	79.90	LEFT
1.93102E-02	-170.07	1.07488E-01	-162.49				
-80.00	205.00	-28.55	-19.80	-19.26	0.03770	70.03	LEFT
7.32156E-02	-170.20	2.00413E-01	-163.49				
-75.00	205.00	-22.20	-17.38	-16.14	0.03987	60.20	LEFT
1.52077E-01	-170.76	2.64928E-01	-165.47				
-70.00	205.00	-17.97	-16.62	-14.23	0.03064	49.46	LEFT
2.47285E-01	-172.80	2.89041E-01	-169.24				
-65.00	205.00	-14.71	-17.37	-12.83	0.01193	36.36	LEFT
3.60063E-01	-178.52	2.65101E-01	-177.09				
-60.00	205.00	-11.63	-19.83	-11.02	0.03780	21.16	
RIGHT	5.13479E-01	169.27	1.99671E-01	162.85			
-55.00	205.00	-8.06	-21.17	-7.85	0.14182	9.63	
RIGHT	7.74151E-01	150.38	1.71166E-01	109.12			
-50.00	205.00	-3.89	-15.84	-3.63	0.22811	6.22	
RIGHT	1.25078E+00	129.32	3.16126E-01	63.44			
-45.00	205.00	0.20	-10.95	0.52	0.24747	7.10	
RIGHT	2.00414E+00	110.12	5.54927E-01	45.06			
-40.00	205.00	3.47	-7.80	3.78	0.22984	8.44	
RIGHT	2.91967E+00	93.14	7.98205E-01	34.03			
-35.00	205.00	5.37	-6.15	5.66	0.20640	9.49	
RIGHT	3.63199E+00	77.52	9.64147E-01	24.55			
-30.00	205.00	5.20	-6.18	5.50	0.19359	10.67	
RIGHT	3.56170E+00	62.76	9.61560E-01	14.90			
-25.00	205.00	0.70	-8.81	1.16	0.22807	13.77	
RIGHT	2.12391E+00	50.45	7.09966E-01	4.31			
-20.00	205.00	-5.83	-21.12	-5.70	0.06776	-8.98	LEFT
1.00141E+00	-167.18	1.72221E-01	-10.99				
-15.00	205.00	8.63	-9.99	8.69	0.04902	6.07	
RIGHT	5.29204E+00	-170.68	6.19761E-01	164.27			
-10.00	205.00	13.96	-2.06	14.07	0.06345	8.24	
RIGHT	9.77058E+00	174.71	1.54532E+00	150.53			
-5.00	205.00	16.43	1.84	16.57	0.06968	9.82	
RIGHT	1.29764E+01	159.26	2.42031E+00	136.63			
0.00	205.00	16.92	3.81	17.13	0.07901	11.67	
RIGHT	1.37334E+01	143.90	3.03754E+00	122.04			
-90.00	210.00	-999.99	-999.99	-999.99	0.00000	0.00	
1.43543E-22	-165.43	9.86211E-12	10.26				
-85.00	210.00	-33.54	-21.45	-21.19	0.01865	76.08	
RIGHT	4.11873E-02	-165.97	1.65680E-01	-170.54			

-80.00	210.00	-22.00	-15.91	-14.95	0.03778	63.67	
RIGHT	1.55643E-01	-167.60	3.13713E-01	-173.04			
-75.00	210.00	-15.78	-13.22	-11.30	0.06005	53.37	
RIGHT	3.18494E-01	-170.34	4.27355E-01	-177.52			
-70.00	210.00	-11.91	-11.98	-8.94	0.08964	44.74	
RIGHT	4.97120E-01	-174.35	4.92774E-01	175.40			
-65.00	210.00	-9.38	-11.80	-7.41	0.13020	36.83	
RIGHT	6.65452E-01	179.86	5.03448E-01	164.42			
-60.00	210.00	-7.54	-12.41	-6.31	0.18172	28.53	
RIGHT	8.22366E-01	171.10	4.69089E-01	146.97			
-55.00	210.00	-5.76	-13.15	-5.03	0.23625	19.70	
RIGHT	1.00866E+00	157.81	4.31090E-01	119.55			
-50.00	210.00	-3.49	-12.58	-2.99	0.27553	12.33	
RIGHT	1.31035E+00	139.94	4.60013E-01	84.92			
-45.00	210.00	-0.69	-10.68	-0.28	0.28106	8.34	
RIGHT	1.80805E+00	120.33	5.72602E-01	55.51			
-40.00	210.00	1.95	-8.95	2.29	0.25796	6.95	
RIGHT	2.45131E+00	101.61	6.98955E-01	35.09			
-35.00	210.00	3.56	-8.22	3.84	0.22731	6.92	
RIGHT	2.94986E+00	84.12	7.59949E-01	20.65			
-30.00	210.00	3.06	-8.91	3.32	0.20712	8.21	
RIGHT	2.78408E+00	67.30	7.02322E-01	10.43			
-25.00	210.00	-3.00	-11.74	-2.46	0.24225	15.38	
RIGHT	1.38587E+00	51.13	5.06841E-01	5.95			
-20.00	210.00	-2.13	-19.10	-2.04	0.00609	-8.06	LEFT
1.53332E+00	-148.42	2.17224E-01	29.07				
-15.00	210.00	9.21	-14.43	9.23	0.06360	0.96	
RIGHT	5.65523E+00	-164.81	3.71835E-01	119.83			
-10.00	210.00	14.14	-6.83	14.18	0.06968	3.21	
RIGHT	9.97871E+00	177.92	8.92500E-01	126.51			
-5.00	210.00	16.52	-2.55	16.58	0.07205	4.85	
RIGHT	1.31219E+01	160.57	1.45991E+00	119.86			
0.00	210.00	17.04	0.04	17.13	0.07901	6.67	
RIGHT	1.39272E+01	143.50	1.96628E+00	108.94			
-90.00	215.00	-999.99	-999.99	-999.99	0.00000	0.00	
1.62250E-22	-153.16	9.65107E-12	20.11				
-85.00	215.00	-32.49	-21.61	-21.27	0.03202	74.13	
RIGHT	4.65139E-02	-153.88	1.62639E-01	-160.83			
-80.00	215.00	-20.97	-15.98	-14.79	0.05738	60.72	
RIGHT	1.75165E-01	-156.02	3.10966E-01	-163.71			
-75.00	215.00	-14.82	-13.15	-10.90	0.07890	50.57	
RIGHT	3.55375E-01	-159.59	4.31040E-01	-168.78			
-70.00	215.00	-11.12	-11.68	-8.38	0.10401	43.12	
RIGHT	5.44349E-01	-164.65	5.10468E-01	-176.55			
-65.00	215.00	-8.91	-11.17	-6.88	0.13948	37.34	
RIGHT	7.02017E-01	-171.49	5.41325E-01	172.08			
-60.00	215.00	-7.64	-11.42	-6.12	0.18890	31.96	
RIGHT	8.12678E-01	179.04	5.26045E-01	155.47			
-55.00	215.00	-6.69	-12.09	-5.59	0.24761	25.68	
RIGHT	9.06736E-01	165.36	4.86923E-01	131.32			
-50.00	215.00	-5.26	-12.39	-4.49	0.29507	18.23	
RIGHT	1.06851E+00	146.62	4.70212E-01	99.21			

-45.00	215.00	-2.96	-11.70	-2.41	0.30404	11.52	
RIGHT	1.39315E+00	125.44	5.08986E-01	65.73			
-40.00	215.00	-0.44	-10.76	-0.05	0.27556	7.42	
RIGHT	1.86258E+00	105.30	5.67353E-01	38.55			
-35.00	215.00	1.13	-10.66	1.41	0.23461	6.01	
RIGHT	2.23127E+00	86.54	5.73651E-01	19.31			
-30.00	215.00	0.30	-12.08	0.54	0.19928	7.67	
RIGHT	2.02601E+00	67.54	4.87166E-01	10.07			
-25.00	215.00	-8.72	-14.67	-7.73	0.11783	26.15	
RIGHT	7.17900E-01	38.88	3.61884E-01	22.07			
-20.00	215.00	0.48	-13.56	0.65	0.04198	-10.99	
RIGHT	2.06982E+00	-137.61	4.11117E-01	55.05			
-15.00	215.00	9.69	-9.85	9.73	0.07668	-4.15	
RIGHT	5.97295E+00	-159.75	6.30369E-01	67.16			
-10.00	215.00	14.26	-7.47	14.29	0.07562	-1.81	
RIGHT	1.01126E+01	-179.25	8.28517E-01	68.26			
-5.00	215.00	16.55	-6.01	16.58	0.07439	-0.11	
RIGHT	1.31687E+01	161.72	9.79900E-01	70.22			
0.00	215.00	17.09	-4.40	17.13	0.07901	1.67	
RIGHT	1.40157E+01	143.10	1.18065E+00	73.27			
-90.00	220.00	-999.99	-999.99	-999.99	0.00000	0.00	
1.28807E-22	-143.08	7.68805E-12	39.22				
-85.00	220.00	-34.51	-23.56	-23.22	0.00968	74.18	LEFT
3.68563E-02	-143.94	1.30006E-01	-141.82				
-80.00	220.00	-23.05	-17.84	-16.70	0.01089	61.23	LEFT
1.37906E-01	-146.51	2.51137E-01	-145.03				
-75.00	220.00	-17.02	-14.85	-12.79	0.00162	52.09	LEFT
2.75999E-01	-150.82	3.54396E-01	-150.63				
-70.00	220.00	-13.54	-13.15	-10.33	0.01787	46.27	
RIGHT	4.12105E-01	-156.97	4.30836E-01	-159.02			
-65.00	220.00	-11.71	-12.35	-9.01	0.04787	42.89	
RIGHT	5.08586E-01	-165.37	4.72577E-01	-170.86			
-60.00	220.00	-11.02	-12.29	-8.60	0.08712	40.74	
RIGHT	5.50887E-01	-177.16	4.75620E-01	172.77			
-55.00	220.00	-10.68	-12.86	-8.63	0.12971	37.64	
RIGHT	5.72506E-01	165.50	4.45492E-01	150.24			
-50.00	220.00	-9.38	-13.70	-8.01	0.17646	30.33	
RIGHT	6.65262E-01	142.50	4.04361E-01	119.82			
-45.00	220.00	-6.54	-14.12	-5.84	0.22293	19.53	
RIGHT	9.22224E-01	119.85	3.85160E-01	83.18			
-40.00	220.00	-3.45	-14.03	-3.09	0.22604	10.82	
RIGHT	1.31654E+00	100.77	3.89304E-01	48.51			
-35.00	220.00	-1.63	-14.62	-1.42	0.18829	6.94	
RIGHT	1.62360E+00	82.61	3.63995E-01	24.19			
-30.00	220.00	-2.81	-16.95	-2.64	0.11689	8.97	
RIGHT	1.41787E+00	60.89	2.78351E-01	23.30			
-25.00	220.00	-13.12	-15.15	-11.01	0.73016	20.56	LEFT
4.32246E-01	-17.84	3.42205E-01	60.28				
-20.00	220.00	2.24	-8.79	2.57	0.07519	-15.15	
RIGHT	2.53415E+00	-130.36	7.12123E-01	66.32			
-15.00	220.00	10.03	-4.63	10.18	0.08831	-9.23	
RIGHT	6.21776E+00	-155.53	1.14965E+00	53.82			



-10.00	220.00	14.30	-2.52	14.39	0.08120	-6.79	
RIGHT	1.01629E+01	-176.82	1.46532E+00	38.00			
-5.00	220.00	16.52	-2.11	16.58	0.07667	-5.06	
RIGHT	1.31158E+01	162.69	1.53549E+00	23.99			
0.00	220.00	17.08	-3.09	17.13	0.07901	-3.33	
RIGHT	1.39982E+01	142.71	1.37288E+00	16.63			
-90.00	225.00	-999.99	-999.99	-999.99	0.00000	0.00	
7.43679E-23	-141.96	6.12933E-12	72.84				
-85.00	225.00	-39.31	-25.51	-25.33	0.11262	80.34	LEFT
2.12007E-02	-143.08	1.03905E-01	-108.49				
-80.00	225.00	-27.96	-19.71	-19.11	0.19535	71.48	LEFT
7.83091E-02	-146.51	2.02374E-01	-112.51				
-75.00	225.00	-22.17	-16.59	-15.53	0.23770	64.67	LEFT
1.52574E-01	-152.49	2.89885E-01	-119.40				
-70.00	225.00	-19.11	-14.70	-13.35	0.25122	61.03	LEFT
2.17090E-01	-161.70	3.60561E-01	-129.37				
-65.00	225.00	-17.92	-13.63	-12.25	0.26013	60.79	LEFT
2.48843E-01	-175.88	4.07753E-01	-142.66				
-60.00	225.00	-17.79	-13.29	-11.97	0.30168	62.41	LEFT
2.52705E-01	161.51	4.23920E-01	-159.53				
-55.00	225.00	-16.70	-13.75	-11.97	0.41214	58.74	LEFT
2.86273E-01	131.28	4.02183E-01	179.50				
-50.00	225.00	-13.40	-15.16	-11.18	0.39952	37.01	LEFT
4.18612E-01	108.48	3.41962E-01	153.16				
-45.00	225.00	-9.29	-17.55	-8.68	0.12708	20.06	LEFT
6.72328E-01	96.87	2.59616E-01	118.72				
-40.00	225.00	-5.68	-20.26	-5.53	0.03467	10.39	
RIGHT	1.01801E+00	87.01	1.89983E-01	75.94			
-35.00	225.00	-3.74	-23.20	-3.69	0.04627	5.47	
RIGHT	1.27333E+00	72.76	1.35423E-01	46.71			
-30.00	225.00	-5.20	-21.96	-5.11	0.09100	6.46	LEFT
1.07601E+00	47.39	1.56353E-01	86.76				
-25.00	225.00	-9.07	-11.84	-7.22	0.27455	-34.49	LEFT
6.89531E-01	-56.34	5.01303E-01	91.19				
-20.00	225.00	3.34	-5.21	3.91	0.09981	-19.82	
RIGHT	2.87686E+00	-125.22	1.07498E+00	72.32			
-15.00	225.00	10.24	-1.04	10.55	0.09860	-14.27	
RIGHT	6.36731E+00	-152.13	1.73673E+00	50.49			
-10.00	225.00	14.27	1.32	14.48	0.08636	-11.76	
RIGHT	1.01220E+01	-174.83	2.28014E+00	28.74			
-5.00	225.00	16.42	2.12	16.58	0.07886	-9.99	
RIGHT	1.29631E+01	163.48	2.50078E+00	8.40			
0.00	225.00	17.01	1.42	17.13	0.07901	-8.33	
RIGHT	1.38748E+01	142.31	2.30737E+00	-8.67			
-90.00	230.00	-999.99	-999.99	-999.99	0.00000	0.00	
4.21847E-23	-164.36	5.75448E-12	117.09				
-85.00	230.00	-44.23	-26.08	-26.02	0.12113	-88.56	LEFT
1.20276E-02	-166.22	9.72227E-02	-64.66				
-80.00	230.00	-32.87	-20.37	-20.13	0.23140	-86.98	LEFT
4.45241E-02	-172.12	1.87611E-01	-69.98				
-75.00	230.00	-26.95	-17.36	-16.91	0.31910	-84.89	LEFT
8.79419E-02	176.94	2.65463E-01	-79.03				

-70.00	230.00	-23.39	-15.55	-14.89	0.37650	-81.32	LEFT
1.32622E-01	159.36	3.26978E-01	-91.86				
-65.00	230.00	-20.64	-14.48	-13.54	0.41352	-74.75	LEFT
1.81862E-01	134.86	3.69532E-01	-108.18				
-60.00	230.00	-17.64	-14.05	-12.48	0.46736	-63.76	LEFT
2.57042E-01	109.30	3.88358E-01	-127.15				
-55.00	230.00	-14.46	-14.40	-11.42	0.56494	-45.34	LEFT
3.70744E-01	91.40	3.73020E-01	-147.53				
-50.00	230.00	-11.50	-15.98	-10.17	0.53860	-15.20	LEFT
5.21253E-01	83.68	3.11126E-01	-167.88				
-45.00	230.00	-8.55	-19.60	-8.22	0.27976	-0.85	LEFT
7.31931E-01	82.12	2.05046E-01	174.91				
-40.00	230.00	-5.77	-25.63	-5.72	0.10066	-0.79	LEFT
1.00824E+00	78.44	1.02450E-01	176.19				
-35.00	230.00	-4.29	-24.52	-4.25	0.08294	-2.93	LEFT
1.19460E+00	66.48	1.16437E-01	-172.08				
-30.00	230.00	-6.02	-16.76	-5.66	0.27408	-5.46	LEFT
9.79781E-01	37.48	2.84301E-01	145.20				
-25.00	230.00	-6.64	-8.63	-4.52	0.08964	-38.39	LEFT
9.11297E-01	-63.41	7.24767E-01	106.07				
-20.00	230.00	3.90	-2.57	4.78	0.11959	-24.72	
RIGHT	3.06879E+00	-121.69	1.45717E+00		76.03		
-15.00	230.00	10.30	1.56	10.84	0.10764	-19.27	
RIGHT	6.40696E+00	-149.58	2.34241E+00		49.68		
-10.00	230.00	14.15	4.06	14.56	0.09106	-16.68	
RIGHT	9.98531E+00	-173.29	3.12613E+00		25.18		
-5.00	230.00	16.25	5.13	16.57	0.08097	-14.90	
RIGHT	1.27117E+01	164.05	3.53475E+00		2.21		
0.00	230.00	16.86	4.81	17.13	0.07901	-13.33	
RIGHT	1.36465E+01	141.90	3.40688E+00		-18.59		
-90.00	235.00	-999.99	-999.99	-999.99	0.00000	0.00	
4.64355E-23	-173.87	6.15858E-12	169.84				
-85.00	235.00	-43.35	-25.60	-25.52	0.03552	-82.90	LEFT
1.33205E-02	-175.86	1.02827E-01	-12.02				
-80.00	235.00	-31.79	-20.20	-19.91	0.06728	-75.72	LEFT
5.03889E-02	178.01	1.91394E-01	-17.77				
-75.00	235.00	-25.48	-17.72	-17.04	0.09234	-68.27	LEFT
1.04159E-01	167.34	2.54743E-01	-27.81				
-70.00	235.00	-21.29	-16.62	-15.35	0.11186	-60.11	LEFT
1.68820E-01	152.03	2.88937E-01	-42.66				
-65.00	235.00	-17.99	-16.32	-14.07	0.13690	-50.69	LEFT
2.46799E-01	133.64	2.99118E-01	-62.25				
-60.00	235.00	-15.02	-16.46	-12.67	0.17973	-39.93	LEFT
3.47544E-01	116.03	2.94212E-01	-84.65				
-55.00	235.00	-12.26	-17.07	-11.02	0.21607	-28.24	LEFT
4.77178E-01	103.30	2.74456E-01	-105.24				
-50.00	235.00	-9.65	-18.43	-9.11	0.18432	-17.46	LEFT
6.44821E-01	96.71	2.34717E-01	-116.97				
-45.00	235.00	-7.00	-19.57	-6.76	0.09464	-12.16	LEFT
8.74906E-01	93.08	2.05881E-01	-111.80				
-40.00	235.00	-4.66	-17.97	-4.46	0.04767	-11.90	LEFT
1.14531E+00	86.43	2.47383E-01	-106.89				

-35.00	235.00	-3.69	-16.09	-3.45	0.09127	-12.51	LEFT
1.28035E+00	72.22	3.07196E-01	-131.30				
-30.00	235.00	-5.92	-13.28	-5.19	0.30872	-16.69	LEFT
9.90649E-01	41.06	4.24448E-01	169.93				
-25.00	235.00	-6.34	-6.63	-3.47	0.02240	-44.03	LEFT
9.43829E-01	-62.94	9.12339E-01	114.49				
-20.00	235.00	3.99	-0.65	5.27	0.13665	-29.74	
RIGHT	3.10164E+00	-119.58	1.81617E+00		78.33		
-15.00	235.00	10.19	3.52	11.04	0.11553	-24.22	
RIGHT	6.33128E+00	-147.87	2.93592E+00		49.51		
-10.00	235.00	13.94	6.12	14.61	0.09526	-21.57	
RIGHT	9.75140E+00	-172.22	3.96235E+00		23.49		
-5.00	235.00	16.01	7.35	16.56	0.08295	-19.80	
RIGHT	1.23637E+01	164.41	4.56549E+00		-0.90		
0.00	235.00	16.65	7.29	17.13	0.07901	-18.33	
RIGHT	1.33151E+01	141.47	4.53240E+00		-23.62		
-90.00	240.00	-999.99	-999.99	-999.99	0.00000	0.00	
6.19371E-23	-153.26	8.97980E-12	-138.01				
-85.00	240.00	-40.85	-22.36	-22.30	0.03182	-83.46	
RIGHT	1.77484E-02	-154.95	1.49248E-01		40.77		
-80.00	240.00	-29.32	-17.09	-16.84	0.06845	-76.79	
RIGHT	6.69356E-02	-160.09	2.73710E-01		37.08		
-75.00	240.00	-23.07	-14.85	-14.24	0.11518	-69.63	
RIGHT	1.37523E-01	-168.82	3.54148E-01		30.87		
-70.00	240.00	-19.00	-14.18	-12.94	0.17475	-61.19	
RIGHT	2.19838E-01	178.96	3.82775E-01		22.08		
-65.00	240.00	-15.92	-14.51	-12.15	0.23262	-50.17	
RIGHT	3.13142E-01	164.21	3.68426E-01		10.77		
-60.00	240.00	-13.17	-15.27	-11.08	0.24394	-37.26	
RIGHT	4.29980E-01	149.27	3.37708E-01		-2.43		
-55.00	240.00	-10.39	-15.52	-9.22	0.20266	-27.42	
RIGHT	5.92342E-01	136.67	3.28073E-01		-15.99		
-50.00	240.00	-7.51	-14.44	-6.71	0.15655	-22.95	
RIGHT	8.24572E-01	126.64	3.71414E-01		-29.28		
-45.00	240.00	-4.78	-12.43	-4.09	0.11222	-21.77	
RIGHT	1.12991E+00	116.75	4.68297E-01		-44.99		
-40.00	240.00	-2.73	-10.82	-2.10	0.05564	-21.31	
RIGHT	1.43019E+00	104.17	5.63386E-01		-66.47		
-35.00	240.00	-2.24	-10.86	-1.68	0.03331	-20.27	LEFT
1.51298E+00	86.60	5.61091E-01	-99.26				
-30.00	240.00	-5.15	-11.71	-4.28	0.26855	-21.21	LEFT
1.08283E+00	56.61	5.08343E-01	-164.02				
-25.00	240.00	-7.89	-5.81	-3.72	0.00343	-51.78	LEFT
7.89697E-01	-58.89	1.00286E+00	120.70				
-20.00	240.00	3.67	0.67	5.43	0.15230	-34.81	
RIGHT	2.98765E+00	-118.91	2.11444E+00		79.49		
-15.00	240.00	9.93	5.02	11.15	0.12231	-29.09	
RIGHT	6.14428E+00	-147.01	3.49168E+00		49.28		
-10.00	240.00	13.65	7.73	14.64	0.09894	-26.41	
RIGHT	9.42251E+00	-171.63	4.76652E+00		22.45		
-5.00	240.00	15.69	9.07	16.55	0.08481	-24.68	
RIGHT	1.19226E+01	164.53	5.56702E+00		-2.78		

0.00	240.00	16.36	9.19	17.13	0.07901	-23.33	
RIGHT	1.28831E+01	141.02	5.64445E+00		-26.65		
-90.00	245.00	-999.99	-999.99	-999.99	0.00000	0.00	
7.66475E-23	-133.96	1.32923E-11	-105.21				
-85.00	245.00	-38.97	-18.89	-18.85	0.04806	-85.05	
RIGHT	2.20448E-02	-135.37	2.22454E-01		73.88		
-80.00	245.00	-27.34	-13.42	-13.25	0.10002	-80.08	
RIGHT	8.41187E-02	-139.63	4.17498E-01		71.13		
-75.00	245.00	-20.90	-10.79	-10.39	0.15995	-74.97	
RIGHT	1.76555E-01	-146.72	5.65468E-01		66.53		
-70.00	245.00	-16.56	-9.43	-8.66	0.23028	-69.34	
RIGHT	2.91040E-01	-156.48	6.61120E-01		59.89		
-65.00	245.00	-13.18	-8.72	-7.39	0.30421	-62.32	
RIGHT	4.29480E-01	-168.37	7.17211E-01		50.80		
-60.00	245.00	-10.14	-8.20	-6.05	0.35185	-53.21	
RIGHT	6.09226E-01	178.56	7.62206E-01		38.50		
-55.00	245.00	-7.17	-7.46	-4.30	0.33570	-43.82	
RIGHT	8.57826E-01	165.18	8.30048E-01		22.32		
-50.00	245.00	-4.31	-6.37	-2.21	0.26842	-37.19	
RIGHT	1.19246E+00	151.51	9.40505E-01		2.51		
-45.00	245.00	-1.85	-5.24	-0.21	0.18919	-33.24	
RIGHT	1.58212E+00	136.88	1.07104E+00		-19.95		
-40.00	245.00	-0.25	-4.73	1.07	0.11258	-30.44	
RIGHT	1.90231E+00	120.43	1.13592E+00		-44.94		
-35.00	245.00	-0.19	-5.81	0.86	0.02452	-27.63	
RIGHT	1.91493E+00	101.16	1.00320E+00		-75.42		
-30.00	245.00	-3.42	-9.76	-2.51	0.17378	-24.29	LEFT
1.32084E+00	75.10	6.36747E-01	-130.44				
-25.00	245.00	-11.82	-6.16	-5.11	0.03488	-62.53	LEFT
5.02245E-01	-48.47	9.63965E-01	126.66				
-20.00	245.00	2.97	1.49	5.30	0.16735	-39.87	
RIGHT	2.75647E+00	-119.76	2.32531E+00		79.53		
-15.00	245.00	9.52	6.18	11.17	0.12797	-33.88	
RIGHT	5.85821E+00	-147.00	3.98913E+00		48.70		
-10.00	245.00	13.25	9.00	14.64	0.10208	-31.21	
RIGHT	9.00421E+00	-171.54	5.52219E+00		21.56		
-5.00	245.00	15.29	10.45	16.53	0.08653	-29.54	
RIGHT	1.13929E+01	164.41	6.52431E+00		-4.10		
0.00	245.00	16.00	10.71	17.13	0.07901	-28.33	
RIGHT	1.23539E+01	140.53	6.72417E+00		-28.69		
-90.00	250.00	-999.99	-999.99	-999.99	0.00000	0.00	
7.12516E-23	-122.00	1.48116E-11	-79.81				
-85.00	250.00	-39.51	-17.86	-17.84	0.05566	-86.50	
RIGHT	2.07127E-02	-123.33	2.50405E-01		99.16		
-80.00	250.00	-27.59	-12.13	-12.00	0.11377	-82.91	
RIGHT	8.16922E-02	-127.29	4.84863E-01		95.99		
-75.00	250.00	-20.66	-9.02	-8.73	0.17607	-79.03	
RIGHT	1.81484E-01	-133.83	6.93417E-01		90.37		
-70.00	250.00	-15.64	-6.98	-6.43	0.24121	-74.34	
RIGHT	3.23437E-01	-142.76	8.76579E-01		81.82		
-65.00	250.00	-11.51	-5.44	-4.48	0.29878	-68.10	
RIGHT	5.20740E-01	-153.72	1.04713E+00		69.75		

-60.00	250.00	-7.82	-4.06	-2.53	0.32550	-60.15	
RIGHT	7.96065E-01	-166.27	1.22764E+00		53.88		
-55.00	250.00	-4.47	-2.67	-0.47	0.30458	-52.12	
RIGHT	1.16997E+00	179.92	1.43939E+00		34.63		
-50.00	250.00	-1.57	-1.34	1.56	0.25059	-45.84	
RIGHT	1.63511E+00	164.91	1.67789E+00		13.06		
-45.00	250.00	0.69	-0.34	3.22	0.18804	-41.36	
RIGHT	2.12081E+00	148.60	1.88357E+00		-9.94		
-40.00	250.00	1.99	-0.12	4.07	0.12650	-37.86	
RIGHT	2.46388E+00	130.84	1.93119E+00		-34.31		
-35.00	250.00	1.81	-1.45	3.49	0.05759	-34.43	
RIGHT	2.41163E+00	111.33	1.65770E+00		-61.61		
-30.00	250.00	-1.32	-6.20	-0.10	0.08027	-29.48	LEFT
1.68165E+00	88.78	9.59044E-01	-101.90				
-25.00	250.00	-19.03	-7.83	-7.51	0.18187	-78.30	LEFT
2.19089E-01	-2.07	7.95470E-01	134.48				
-20.00	250.00	1.94	1.90	4.93	0.18227	-44.84	
RIGHT	2.44937E+00	-122.28	2.43696E+00		78.38		
-15.00	250.00	8.96	7.06	11.12	0.13245	-38.57	
RIGHT	5.49135E+00	-147.84	4.41391E+00		47.62		
-10.00	250.00	12.76	10.03	14.61	0.10468	-35.96	
RIGHT	8.50505E+00	-171.96	6.21623E+00		20.59		
-5.00	250.00	14.82	11.58	16.50	0.08811	-34.39	
RIGHT	1.07806E+01	164.02	7.42629E+00		-5.19		
0.00	250.00	15.55	11.96	17.13	0.07901	-33.33	
RIGHT	1.17317E+01	139.99	7.75891E+00		-30.18		
-90.00	255.00	-999.99	-999.99	-999.99	0.00000	0.00	
3.95528E-23	-110.47	1.28944E-11	-41.31				
-85.00	255.00	-44.33	-18.99	-18.98	0.05045	-88.88	
RIGHT	1.18983E-02	-112.26	2.19864E-01		136.57		
-80.00	255.00	-31.56	-13.03	-12.97	0.10915	-87.38	
RIGHT	5.17249E-02	-117.41	4.36941E-01		130.11		
-75.00	255.00	-23.38	-9.53	-9.35	0.18147	-84.81	
RIGHT	1.32649E-01	-125.30	6.53845E-01		119.07		
-70.00	255.00	-16.96	-6.90	-6.49	0.26088	-80.05	
RIGHT	2.77899E-01	-135.26	8.84909E-01		103.44		
-65.00	255.00	-11.54	-4.56	-3.76	0.31762	-72.33	
RIGHT	5.18697E-01	-146.78	1.15909E+00		83.92		
-60.00	255.00	-6.90	-2.27	-0.98	0.31961	-63.38	
RIGHT	8.85181E-01	-159.62	1.50830E+00		62.01		
-55.00	255.00	-2.99	-0.09	1.70	0.27780	-56.03	
RIGHT	1.38763E+00	-173.73	1.93725E+00		39.28		
-50.00	255.00	0.14	1.74	4.02	0.22347	-50.81	
RIGHT	1.98925E+00	170.87	2.39217E+00		16.53		
-45.00	255.00	2.39	2.95	5.69	0.17199	-46.94	
RIGHT	2.57878E+00	154.18	2.74923E+00		-6.26		
-40.00	255.00	3.58	3.20	6.41	0.12442	-43.68	
RIGHT	2.95888E+00	136.22	2.82972E+00		-29.58		
-35.00	255.00	3.32	1.92	5.69	0.07273	-40.37	
RIGHT	2.86931E+00	117.04	2.44336E+00		-54.54		
-30.00	255.00	0.42	-2.52	2.20	0.02015	-35.47	LEFT
2.05551E+00	96.73	1.46519E+00	-85.72				

-25.00	255.00	-14.41	-11.22	-9.52	0.63110	72.48	LEFT
3.72562E-01	75.23	5.38367E-01	149.93				
-20.00	255.00	0.65	1.96	4.37	0.19700	-49.63	
RIGHT	2.11158E+00	-126.62	2.45359E+00		75.93		
-15.00	255.00	8.25	7.71	11.00	0.13567	-43.14	
RIGHT	5.06517E+00	-149.50	4.75837E+00		45.98		
-10.00	255.00	12.15	10.86	14.57	0.10674	-40.65	
RIGHT	7.93582E+00	-172.89	6.83842E+00		19.43		
-5.00	255.00	14.24	12.51	16.47	0.08956	-39.22	
RIGHT	1.00924E+01	163.35	8.26402E+00		-6.21		
0.00	255.00	15.01	12.99	17.13	0.07901	-38.33	
RIGHT	1.10213E+01	139.39	8.73862E+00		-31.32		
-90.00	260.00	-999.99	-999.99	-999.99	0.00000	0.00	
1.30492E-23	-4.77	1.64206E-11	12.45				
-85.00	260.00	-55.17	-17.13	-17.13	0.00580	-89.36	
RIGHT	3.41637E-03	-17.99	2.72408E-01		-170.43		
-80.00	260.00	-43.06	-11.89	-11.88	0.02509	-89.34	
RIGHT	1.37750E-02	-64.88	4.98433E-01		-179.66		
-75.00	260.00	-30.76	-9.51	-9.48	0.08661	89.98	
RIGHT	5.67578E-02	-107.35	6.55316E-01		162.84		
-70.00	260.00	-20.65	-7.93	-7.70	0.22946	-88.38	
RIGHT	1.81688E-01	-128.64	7.85896E-01		134.73		
-65.00	260.00	-13.00	-5.57	-4.85	0.36237	-77.32	
RIGHT	4.38440E-01	-143.68	1.03120E+00		99.13		
-60.00	260.00	-7.10	-2.23	-1.00	0.33048	-64.65	
RIGHT	8.64756E-01	-157.66	1.51520E+00		66.13		
-55.00	260.00	-2.54	1.02	2.60	0.25480	-58.10	
RIGHT	1.46240E+00	-172.13	2.20123E+00		39.14		
-50.00	260.00	0.89	3.52	5.41	0.19658	-54.24	
RIGHT	2.17025E+00	172.39	2.93649E+00		15.72		
-45.00	260.00	3.24	5.07	7.26	0.15331	-51.25	
RIGHT	2.84538E+00	155.76	3.50880E+00		-6.41		
-40.00	260.00	4.44	5.48	8.00	0.11698	-48.50	
RIGHT	3.26657E+00	138.00	3.67963E+00		-28.55		
-35.00	260.00	4.19	4.36	7.28	0.07878	-45.55	
RIGHT	3.17249E+00	119.34	3.23351E+00		-51.65		
-30.00	260.00	1.53	0.38	4.00	0.01502	-41.21	
RIGHT	2.33630E+00	100.50	2.04585E+00		-77.76		
-25.00	260.00	-9.29	-15.32	-8.33	0.47786	-8.49	LEFT
6.71794E-01	90.67	3.35470E-01	-166.06				
-20.00	260.00	-0.81	1.74	3.66	0.21072	-54.09	
RIGHT	1.78407E+00	-132.87	2.39325E+00		72.03		
-15.00	260.00	7.42	8.18	10.83	0.13749	-47.59	
RIGHT	4.60140E+00	-151.96	5.02100E+00		43.75		
-10.00	260.00	11.44	11.52	14.49	0.10827	-45.29	
RIGHT	7.30881E+00	-174.35	7.38131E+00		18.01		
-5.00	260.00	13.57	13.28	16.43	0.09086	-44.03	
RIGHT	9.33606E+00	162.38	9.03017E+00		-7.23		
0.00	260.00	14.36	13.86	17.13	0.07901	-43.33	
RIGHT	1.02285E+01	138.71	9.65461E+00		-32.24		
-90.00	265.00	-999.99	-999.99	-999.99	0.00000	0.00	
4.34885E-23	32.72	2.58118E-11	37.56				

-85.00	265.00	-44.56	-13.30	-13.30	0.00260	-88.44	
RIGHT	1.15880E-02	30.08	4.23455E-01		-144.47		
-80.00	265.00	-35.36	-8.42	-8.41	0.00720	-87.46	
RIGHT	3.34178E-02	19.76	7.42853E-01		-151.01		
-75.00	265.00	-34.56	-7.00	-6.99	0.02465	-88.06	
RIGHT	3.66503E-02	-20.13	8.75115E-01		-164.04		
-70.00	265.00	-25.92	-7.69	-7.63	0.11944	88.39	
RIGHT	9.91095E-02	-113.08	8.07718E-01		169.98		
-65.00	265.00	-15.14	-7.97	-7.21	0.42773	-84.47	
RIGHT	3.42665E-01	-141.86	7.82053E-01		117.77		
-60.00	265.00	-7.96	-3.59	-2.24	0.34118	-62.95	
RIGHT	7.83673E-01	-158.38	1.29534E+00		65.25		
-55.00	265.00	-2.81	1.11	2.59	0.22128	-58.93	
RIGHT	1.41674E+00	-173.46	2.22638E+00		34.30		
-50.00	265.00	0.89	4.37	5.98	0.16548	-56.87	
RIGHT	2.16859E+00	171.01	3.23958E+00		11.40		
-45.00	265.00	3.36	6.29	8.08	0.13262	-54.84	
RIGHT	2.88246E+00	154.56	4.03941E+00		-9.44		
-40.00	265.00	4.61	6.91	8.92	0.10717	-52.67	
RIGHT	3.33005E+00	137.16	4.33824E+00		-30.16		
-35.00	265.00	4.42	5.98	8.28	0.08049	-50.18	
RIGHT	3.25697E+00	119.08	3.89657E+00		-51.56		
-30.00	265.00	1.98	2.42	5.22	0.03683	-46.47	
RIGHT	2.45882E+00	101.37	2.58834E+00		-74.41		
-25.00	265.00	-6.85	-12.38	-5.78	0.18330	-26.49	LEFT
8.90009E-01	94.35	4.70725E-01	-111.06				
-20.00	265.00	-2.34	1.33	2.88	0.22132	-58.06	
RIGHT	1.49597E+00	-140.81	2.28283E+00		66.59		
-15.00	265.00	6.46	8.49	10.60	0.13780	-51.90	
RIGHT	4.11965E+00	-155.19	5.20500E+00		40.94		
-10.00	265.00	10.60	12.05	14.40	0.10928	-49.87	
RIGHT	6.63710E+00	-176.34	7.84012E+00		16.31		
-5.00	265.00	12.77	13.91	16.39	0.09203	-48.82	
RIGHT	8.52020E+00	161.07	9.71876E+00		-8.32		
0.00	265.00	13.59	14.59	17.13	0.07901	-48.33	
RIGHT	9.35953E+00	137.90	1.04992E+01		-33.01		
-90.00	270.00	-999.99	-999.99	-999.99	0.00000	0.00	
5.45477E-23	25.43	3.06186E-11	45.76				
-85.00	270.00	-42.43	-11.83	-11.82	0.01062	-88.42	
RIGHT	1.48053E-02	23.13	5.01842E-01		-135.75		
-80.00	270.00	-32.58	-6.99	-6.97	0.02184	-87.26	
RIGHT	4.60271E-02	14.85	8.76144E-01		-140.52		
-75.00	270.00	-30.21	-5.74	-5.73	0.03781	-87.35	
RIGHT	6.04146E-02	-8.95	1.01094E+00		-149.60		
-70.00	270.00	-27.81	-7.37	-7.33	0.09242	88.74	
RIGHT	7.96440E-02	-90.74	8.38281E-01		-167.45		
-65.00	270.00	-16.78	-11.92	-10.69	0.56276	83.91	
RIGHT	2.83767E-01	-140.02	4.96293E-01		137.29		
-60.00	270.00	-9.01	-5.95	-4.21	0.28940	-56.80	
RIGHT	6.93697E-01	-160.46	9.86695E-01		54.12		
-55.00	270.00	-3.59	0.61	2.01	0.16219	-59.15	
RIGHT	1.29494E+00	-176.59	2.10195E+00		24.13		

-50.00	270.00	0.25	4.54	5.91	0.12675	-59.07	
RIGHT	2.01618E+00	167.64	3.30186E+00		3.93		
-45.00	270.00	2.81	6.77	8.24	0.10955	-57.96	
RIGHT	2.70762E+00	151.32	4.27179E+00		-14.83		
-40.00	270.00	4.14	7.61	9.22	0.09618	-56.37	
RIGHT	3.15304E+00	134.28	4.70108E+00		-33.83		
-35.00	270.00	4.03	6.88	8.70	0.08044	-54.38	
RIGHT	3.11416E+00	116.77	4.32589E+00		-53.52		
-30.00	270.00	1.78	3.71	5.86	0.05234	-51.35	
RIGHT	2.40327E+00	100.02	3.00143E+00		-73.84		
-25.00	270.00	-5.91	-8.17	-3.89	0.05481	-37.59	LEFT
9.91376E-01	94.41	7.64358E-01	-92.08				
-20.00	270.00	-3.83	0.81	2.10	0.22521	-61.40	
RIGHT	1.25955E+00	-149.81	2.15098E+00		59.63		
-15.00	270.00	5.37	8.67	10.34	0.13649	-56.06	
RIGHT	3.63590E+00	-159.13	5.31620E+00		37.59		
-10.00	270.00	9.63	12.45	14.28	0.10984	-54.38	
RIGHT	5.93391E+00	-178.91	8.21247E+00		14.30		
-5.00	270.00	11.84	14.44	16.34	0.09309	-53.60	
RIGHT	7.65403E+00	159.36	1.03252E+01		-9.51		
0.00	270.00	12.67	15.20	17.13	0.07901	-53.33	
RIGHT	8.42160E+00	136.91	1.12654E+01		-33.66		
-90.00	275.00	-999.99	-999.99	-999.99	0.00000	0.00	
4.61064E-23	5.47	2.62564E-11	50.18				
-85.00	275.00	-43.82	-13.17	-13.16	0.02127	-88.84	
RIGHT	1.26203E-02	2.58	4.30170E-01		-130.92		
-80.00	275.00	-33.63	-8.35	-8.34	0.04376	-88.14	
RIGHT	4.07761E-02	-7.82	7.48854E-01		-134.25		
-75.00	275.00	-29.86	-7.23	-7.20	0.07117	-88.88	
RIGHT	6.29150E-02	-34.76	8.52230E-01		-140.08		
-70.00	275.00	-25.81	-9.50	-9.40	0.12460	84.93	
RIGHT	1.00350E-01	-94.45	6.56075E-01		-149.63		
-65.00	275.00	-17.25	-23.09	-16.24	0.37053	19.68	
RIGHT	2.68889E-01	-139.67	1.37286E-01		166.77		
-60.00	275.00	-10.07	-7.83	-5.80	0.07037	-52.38	
RIGHT	6.13967E-01	-163.10	7.94672E-01		25.22		
-55.00	275.00	-4.78	-0.10	1.17	0.07229	-59.92	
RIGHT	1.12906E+00	179.30	1.93585E+00		8.81		
-50.00	275.00	-0.94	4.14	5.31	0.07999	-61.11	
RIGHT	1.75692E+00	162.95	3.15387E+00		-6.28		
-45.00	275.00	1.66	6.59	7.80	0.08453	-60.70	
RIGHT	2.37137E+00	146.52	4.18401E+00		-22.19		
-40.00	275.00	3.06	7.63	8.93	0.08513	-59.68	
RIGHT	2.78412E+00	129.69	4.71643E+00		-39.17		
-35.00	275.00	3.05	7.15	8.58	0.08054	-58.24	
RIGHT	2.78128E+00	112.67	4.46057E+00		-57.06		
-30.00	275.00	0.96	4.34	5.98	0.06576	-55.97	
RIGHT	2.18843E+00	96.75	3.22857E+00		-75.15		
-25.00	275.00	-6.05	-5.61	-2.81	0.01619	-46.47	
RIGHT	9.75710E-01	92.37	1.02699E+00		-85.77		
-20.00	275.00	-5.25	0.27	1.35	0.21797	-64.07	
RIGHT	1.07049E+00	-158.85	2.02025E+00		51.35		



-15.00	275.00	4.16	8.75	10.04	0.13355	-60.04	
RIGHT	3.16217E+00	-163.71	5.36094E+00		33.74		
-10.00	275.00	8.50	12.75	14.14	0.10999	-58.84	
RIGHT	5.21222E+00	177.90	8.49806E+00		12.01		
-5.00	275.00	10.74	14.87	16.29	0.09403	-58.37	
RIGHT	6.74735E+00	157.19	1.08462E+01		-10.82		
0.00	275.00	11.57	15.71	17.13	0.07901	-58.33	
RIGHT	7.42269E+00	135.67	1.19473E+01		-34.24		
-90.00	280.00	-999.99	-999.99	-999.99	0.00000	0.00	
3.38941E-23	-28.75	1.56315E-11	64.47				
-85.00	280.00	-46.29	-17.65	-17.64	0.03674	89.75	
RIGHT	9.49535E-03	-32.56	2.56726E-01		-115.91		
-80.00	280.00	-35.29	-12.78	-12.75	0.07085	88.61	
RIGHT	3.36859E-02	-45.43	4.49909E-01		-116.67		
-75.00	280.00	-29.36	-11.56	-11.49	0.08990	84.73	
RIGHT	6.66282E-02	-71.37	5.17434E-01		-116.13		
-70.00	280.00	-23.80	-13.42	-13.04	0.01157	73.16	LEFT
1.26511E-01	-108.85	4.17755E-01	-106.46				
-65.00	280.00	-17.29	-15.36	-13.21	0.79639	-83.84	LEFT
2.67542E-01	-142.08	3.34125E-01	-49.28				
-60.00	280.00	-11.29	-7.13	-5.72	0.18957	-59.30	LEFT
5.33918E-01	-166.06	8.62047E-01	-10.19				
-55.00	280.00	-6.42	-0.91	0.17	0.03416	-62.11	LEFT
9.35013E-01	174.79	1.76362E+00	-9.94				
-50.00	280.00	-2.70	3.15	4.16	0.02728	-63.03	
RIGHT	1.43502E+00	157.41	2.81568E+00		-18.73		
-45.00	280.00	-0.08	5.73	6.75	0.05864	-63.04	
RIGHT	1.93987E+00	140.49	3.78996E+00		-31.23		
-40.00	280.00	1.39	7.01	8.06	0.07552	-62.60	
RIGHT	2.29767E+00	123.58	4.38973E+00		-45.89		
-35.00	280.00	1.49	6.82	7.94	0.08272	-61.84	
RIGHT	2.32446E+00	106.81	4.29597E+00		-61.87		
-30.00	280.00	-0.45	4.42	5.64	0.07995	-60.49	
RIGHT	1.85899E+00	91.51	3.25590E+00		-77.86		
-25.00	280.00	-7.13	-4.15	-2.38	0.06288	-54.70	
RIGHT	8.61811E-01	88.44	1.21380E+00		-83.93		
-20.00	280.00	-6.61	-0.26	0.64	0.19609	-66.17	
RIGHT	9.14826E-01	-166.72	1.90052E+00		42.17		
-15.00	280.00	2.81	8.72	9.71	0.12904	-63.86	
RIGHT	2.70712E+00	-168.88	5.34456E+00		29.47		
-10.00	280.00	7.20	12.95	13.97	0.10981	-63.23	
RIGHT	4.48460E+00	173.99	8.69836E+00		9.44		
-5.00	280.00	9.45	15.21	16.23	0.09488	-63.12	
RIGHT	5.81063E+00	154.40	1.12796E+01		-12.24		
0.00	280.00	10.25	16.13	17.13	0.07901	-63.33	
RIGHT	6.37188E+00	134.03	1.25392E+01		-34.76		
-90.00	285.00	-999.99	-999.99	-999.99	0.00000	0.00	
2.77087E-23	-65.45	1.09977E-11	117.61				
-85.00	285.00	-47.76	-20.48	-20.47	0.00450	87.54	LEFT
8.01390E-03	-68.87	1.85309E-01	-62.88				
-80.00	285.00	-35.92	-14.85	-14.82	0.02350	85.13	LEFT
3.13201E-02	-79.40	3.54189E-01	-63.87				

-75.00	285.00	-28.89	-12.00	-11.91	0.07767	83.15	LEFT
7.03676E-02	-97.30	4.92107E-01	-63.86				
-70.00	285.00	-23.27	-10.30	-10.09	0.19404	83.51	LEFT
1.34462E-01	-120.95	5.97920E-01	-60.07				
-65.00	285.00	-17.96	-8.69	-8.20	0.34097	-87.55	LEFT
2.47555E-01	-146.08	7.20445E-01	-49.76				
-60.00	285.00	-12.98	-5.91	-5.13	0.29767	-71.68	LEFT
4.39562E-01	-169.20	9.91910E-01	-36.77				
-55.00	285.00	-8.60	-2.16	-1.27	0.14088	-65.49	LEFT
7.27277E-01	170.23	1.52705E+00	-30.62				
-50.00	285.00	-5.04	1.38	2.28	0.03098	-64.54	LEFT
1.09584E+00	151.34	2.29681E+00	-33.23				
-45.00	285.00	-2.41	4.10	4.97	0.03305	-64.76	
RIGHT	1.48336E+00	133.35	3.13929E+00	-41.74			
-40.00	285.00	-0.85	5.72	6.58	0.06954	-65.09	
RIGHT	1.77528E+00	115.85	3.78310E+00	-53.79			
-35.00	285.00	-0.64	5.95	6.81	0.08926	-65.28	
RIGHT	1.81959E+00	98.91	3.88375E+00	-67.76			
-30.00	285.00	-2.49	4.02	4.90	0.09695	-65.16	
RIGHT	1.47052E+00	83.85	3.11211E+00	-81.75			
-25.00	285.00	-9.22	-3.41	-2.40	0.09406	-63.24	
RIGHT	6.77783E-01	82.03	1.32258E+00	-84.69			
-20.00	285.00	-8.00	-0.80	-0.04	0.15828	-67.82	
RIGHT	7.79612E-01	-172.35	1.78660E+00	32.56			
-15.00	285.00	1.31	8.60	9.34	0.12316	-67.47	
RIGHT	2.27728E+00	-174.60	5.27062E+00	24.86			
-10.00	285.00	5.67	13.07	13.79	0.10942	-67.56	
RIGHT	3.76334E+00	169.19	8.81635E+00	6.61			
-5.00	285.00	7.89	15.47	16.17	0.09565	-67.86	
RIGHT	4.85548E+00	150.75	1.16246E+01	-13.80			
0.00	285.00	8.61	16.47	17.13	0.07901	-68.33	
RIGHT	5.27989E+00	131.73	1.30367E+01	-35.23			
-90.00	290.00	-999.99	-999.99	-999.99	0.00000	0.00	
2.10893E-23	-87.37	1.60378E-11	142.00				
-85.00	290.00	-49.98	-17.25	-17.25	0.01786	89.16	LEFT
6.20582E-03	-90.14	2.68738E-01	-39.45				
-80.00	290.00	-37.76	-11.75	-11.74	0.04086	88.34	LEFT
2.53542E-02	-98.40	5.06422E-01	-43.63				
-75.00	290.00	-30.34	-9.05	-9.01	0.07591	87.66	LEFT
5.95596E-02	-111.85	6.91155E-01	-49.92				
-70.00	290.00	-24.69	-7.61	-7.52	0.13350	87.59	LEFT
1.14182E-01	-129.74	8.15810E-01	-56.89				
-65.00	290.00	-19.81	-6.83	-6.62	0.22420	89.72	LEFT
2.00073E-01	-150.65	8.92193E-01	-61.82				
-60.00	290.00	-15.38	-6.10	-5.62	0.31390	-81.99	LEFT
3.33431E-01	-172.75	9.70273E-01	-61.14				
-55.00	290.00	-11.37	-4.44	-3.64	0.25835	-69.64	LEFT
5.28839E-01	165.46	1.17474E+00	-54.86				
-50.00	290.00	-7.95	-1.55	-0.65	0.10459	-64.93	LEFT
7.84573E-01	144.64	1.63898E+00	-50.77				
-45.00	290.00	-5.29	1.50	2.33	0.00784	-65.42	
RIGHT	1.06493E+00	124.86	2.32742E+00	-53.95			

-40.00	290.00	-3.64	3.73	4.46	0.07042	-67.09	
RIGHT	1.28864E+00	106.01	3.00920E+00		-62.82		
-35.00	290.00	-3.33	4.59	5.24	0.10284	-68.75	
RIGHT	1.33489E+00	88.17	3.32124E+00		-74.72		
-30.00	290.00	-5.20	3.29	3.86	0.11762	-70.30	
RIGHT	1.07645E+00	72.47	2.85939E+00		-86.93		
-25.00	290.00	-12.70	-3.09	-2.64	0.10892	-72.65	
RIGHT	4.53632E-01	70.91	1.37185E+00		-87.92		
-20.00	290.00	-9.43	-1.43	-0.79	0.10443	-68.96	
RIGHT	6.61564E-01	-174.63	1.66146E+00		22.86		
-15.00	290.00	-0.36	8.38	8.93	0.11624	-70.88	
RIGHT	1.87844E+00	179.14	5.14123E+00		19.98		
-10.00	290.00	3.88	13.11	13.60	0.10893	-71.83	
RIGHT	3.06102E+00	163.13	8.85634E+00		3.54		
-5.00	290.00	5.97	15.66	16.10	0.09637	-72.59	
RIGHT	3.89597E+00	145.71	1.18814E+01		-15.48		
0.00	290.00	6.55	16.73	17.13	0.07901	-73.33	
RIGHT	4.16079E+00	128.19	1.34358E+01		-35.68		
-90.00	295.00	-999.99	-999.99	-999.99	0.00000	0.00	
1.03244E-23	-89.74	1.74865E-11	136.14				
-85.00	295.00	-55.98	-16.54	-16.54	0.00793	89.59	LEFT
3.10933E-03	-93.60	2.91523E-01	-45.54				
-80.00	295.00	-43.18	-11.18	-11.18	0.02022	89.15	LEFT
1.35828E-02	-104.19	5.40710E-01	-50.58				
-75.00	295.00	-34.95	-8.72	-8.71	0.04245	88.62	LEFT
3.50448E-02	-119.40	7.17386E-01	-58.99				
-70.00	295.00	-28.52	-7.64	-7.61	0.08309	87.97	LEFT
7.33915E-02	-137.39	8.12500E-01	-70.31				
-65.00	295.00	-23.18	-7.38	-7.27	0.15604	87.46	LEFT
1.35817E-01	-157.31	8.37253E-01	-82.78				
-60.00	295.00	-18.60	-7.64	-7.31	0.28259	89.03	LEFT
2.30048E-01	-178.76	8.12606E-01	-91.93				
-55.00	295.00	-14.64	-7.85	-7.02	0.41322	-78.66	LEFT
3.63072E-01	158.79	7.93119E-01	-90.05				
-50.00	295.00	-11.27	-6.13	-4.97	0.24070	-63.30	LEFT
5.35351E-01	136.14	9.67042E-01	-76.34				
-45.00	295.00	-8.60	-2.32	-1.40	0.02218	-64.12	LEFT
7.27622E-01	114.03	1.49857E+00	-69.21				
-40.00	295.00	-6.89	1.07	1.71	0.08250	-68.61	
RIGHT	8.86015E-01	92.85	2.21463E+00		-73.41		
-35.00	295.00	-6.57	2.89	3.35	0.12556	-72.64	
RIGHT	9.19511E-01	72.75	2.73085E+00		-83.12		
-30.00	295.00	-8.66	2.39	2.71	0.14057	-76.36	
RIGHT	7.22554E-01	54.12	2.57756E+00		-93.85		
-25.00	295.00	-18.78	-2.97	-2.86	0.10667	-83.05	
RIGHT	2.25385E-01	43.77	1.39156E+00		-94.29		
-20.00	295.00	-10.69	-2.30	-1.71	0.03225	-69.24	
RIGHT	5.71825E-01	-172.44	1.50349E+00		13.12		
-15.00	295.00	-2.22	8.07	8.46	0.10869	-74.03	
RIGHT	1.51668E+00	172.32	4.95814E+00		14.90		
-10.00	295.00	1.74	13.08	13.38	0.10849	-76.04	
RIGHT	2.39215E+00	155.13	8.82392E+00		0.25		

-5.00	295.00	3.57	15.78	16.04	0.09705	-77.32	
RIGHT	2.95302E+00	138.14	1.20512E+01		-17.28		
0.00	295.00	3.81	16.92	17.13	0.07901	-78.33	
RIGHT	3.03754E+00	122.04	1.37334E+01		-36.10		
-90.00	300.00	-999.99	-999.99	-999.99	0.00000	0.00	
5.91256E-24	10.59	1.50582E-11	120.18				
-85.00	300.00	-62.19	-17.85	-17.85	0.00564	89.87	
RIGHT	1.52116E-03	6.69	2.50902E-01		-61.71		
-80.00	300.00	-54.22	-12.50	-12.50	0.00686	89.74	
RIGHT	3.81028E-03	-10.87	4.64203E-01		-67.54		
-75.00	300.00	-51.65	-10.09	-10.09	0.00220	89.54	LEFT
5.11969E-03	-93.05	6.12830E-01	-77.76				
-70.00	300.00	-38.26	-9.04	-9.04	0.02969	88.98	LEFT
2.39146E-02	-151.94	6.91529E-01	-92.75				
-65.00	300.00	-29.17	-8.70	-8.66	0.08389	87.48	LEFT
6.81178E-02	-174.24	7.19145E-01	-111.70				
-60.00	300.00	-22.88	-8.81	-8.64	0.17466	84.70	LEFT
1.40518E-01	166.44	7.10582E-01	-130.61				
-55.00	300.00	-18.24	-9.71	-9.14	0.35344	82.90	LEFT
2.39700E-01	145.76	6.40276E-01	-141.13				
-50.00	300.00	-14.73	-11.10	-9.54	0.56741	-70.18	LEFT
3.59327E-01	123.05	5.45585E-01	-126.08				
-45.00	300.00	-12.12	-7.43	-6.16	0.08947	-60.03	LEFT
4.85407E-01	98.86	8.32824E-01	-92.91				
-40.00	300.00	-10.48	-2.02	-1.44	0.10829	-70.08	
RIGHT	5.86267E-01	74.03	1.55160E+00		-87.08		
-35.00	300.00	-10.23	1.14	1.45	0.15636	-77.58	
RIGHT	6.03182E-01	48.73	2.23409E+00		-93.93		
-30.00	300.00	-12.54	1.57	1.74	0.16191	-83.59	
RIGHT	4.62477E-01	20.37	2.34728E+00		-103.34		
-25.00	300.00	-21.30	-2.79	-2.73	0.09766	86.14	
RIGHT	1.68566E-01	-48.89	1.41956E+00		-104.60		
-20.00	300.00	-11.26	-3.60	-2.91	0.06747	-67.79	LEFT
5.35448E-01	-166.00	1.29436E+00	3.04				
-15.00	300.00	-4.26	7.65	7.92	0.10107	-76.89	
RIGHT	1.19872E+00	164.87	4.72429E+00		9.69		
-10.00	300.00	-0.84	12.98	13.15	0.10825	-80.20	
RIGHT	1.77785E+00	143.61	8.72586E+00		-3.23		
-5.00	300.00	0.48	15.84	15.97	0.09770	-82.04	
RIGHT	2.06991E+00	125.07	1.21358E+01		-19.21		
0.00	300.00	0.04	17.04	17.13	0.07901	-83.33	
RIGHT	1.96628E+00	108.94	1.39272E+01		-36.50		
-90.00	305.00	-999.99	-999.99	-999.99	0.00000	0.00	
1.82412E-23	27.15	1.33645E-11	100.86				
-85.00	305.00	-51.75	-18.86	-18.85	0.02159	-89.61	
RIGHT	5.06182E-03	26.54	2.23397E-01		-81.09		
-80.00	305.00	-41.19	-13.43	-13.43	0.03788	-89.11	
RIGHT	1.70781E-02	25.07	4.17108E-01		-87.19		
-75.00	305.00	-37.08	-10.90	-10.89	0.04139	-88.49	
RIGHT	2.74212E-02	24.39	5.58584E-01		-98.07		
-70.00	305.00	-37.62	-9.65	-9.65	0.02125	-88.06	
RIGHT	2.57445E-02	33.27	6.44480E-01		-114.56		

-65.00	305.00	-38.07	-8.95	-8.94	0.02903	-88.88	LEFT
2.44445E-02	99.90	6.99039E-01	-136.24				
-60.00	305.00	-28.21	-8.40	-8.35	0.09696	88.15	LEFT
7.61276E-02	129.13	7.44713E-01	-159.15				
-55.00	305.00	-21.90	-8.49	-8.30	0.18711	84.14	LEFT
1.57279E-01	121.12	7.37001E-01	-176.54				
-50.00	305.00	-18.02	-10.42	-9.72	0.40660	84.73	LEFT
2.45916E-01	102.75	5.90269E-01	-177.88				
-45.00	305.00	-15.61	-11.29	-9.92	0.24951	-60.72	LEFT
3.24458E-01	77.38	5.33872E-01	-134.58				
-40.00	305.00	-14.17	-4.63	-4.17	0.14069	-73.15	
RIGHT	3.83273E-01	45.96	1.14893E+00		-106.68		
-35.00	305.00	-13.50	-0.13	0.07	0.18796	-84.10	
RIGHT	4.13888E-01	9.28	1.92979E+00		-108.42		
-30.00	305.00	-13.72	1.16	1.30	0.17797	88.36	
RIGHT	4.03469E-01	-34.93	2.23818E+00		-116.07		
-25.00	305.00	-13.82	-2.31	-2.01	0.10088	76.18	
RIGHT	3.98866E-01	-95.12	1.50114E+00		-118.85		
-20.00	305.00	-10.61	-5.62	-4.43	0.21633	-62.37	LEFT
5.76980E-01	-159.29	1.02536E+00	-8.21				
-15.00	305.00	-6.45	7.12	7.31	0.09413	-79.39	
RIGHT	9.31523E-01	156.71	4.44541E+00		4.41		
-10.00	305.00	-3.83	12.82	12.91	0.10839	-84.32	
RIGHT	1.26038E+00	125.02	8.57006E+00		-6.89		
-5.00	305.00	-3.06	15.85	15.90	0.09834	-86.77	
RIGHT	1.37665E+00	98.31	1.21380E+01		-21.25		
0.00	305.00	-4.40	17.09	17.13	0.07901	-88.33	
RIGHT	1.18065E+00	73.27	1.40157E+01		-36.90		
-90.00	310.00	-999.99	-999.99	-999.99	0.00000	0.00	
2.84707E-23	9.80	1.59690E-11	84.37				
-85.00	310.00	-47.76	-17.29	-17.28	0.02872	-89.52	
RIGHT	8.01403E-03	9.17	2.67652E-01		-97.22		
-80.00	310.00	-36.77	-11.80	-11.79	0.05317	-88.91	
RIGHT	2.84205E-02	7.47	5.03127E-01		-102.19		
-75.00	310.00	-31.67	-9.22	-9.19	0.06738	-88.06	
RIGHT	5.10774E-02	5.40	6.77674E-01		-111.10		
-70.00	310.00	-29.94	-8.03	-8.00	0.06119	-87.03	
RIGHT	6.23329E-02	5.25	7.77014E-01		-124.87		
-65.00	310.00	-31.29	-7.58	-7.56	0.02175	-86.48	
RIGHT	5.33923E-02	16.32	8.18166E-01		-144.14		
-60.00	310.00	-31.56	-7.33	-7.31	0.04768	-87.78	LEFT
5.17270E-02	64.18	8.42147E-01	-166.84				
-55.00	310.00	-25.39	-7.31	-7.24	0.12432	89.42	LEFT
1.05349E-01	88.19	8.44571E-01	173.58				
-50.00	310.00	-21.29	-8.42	-8.20	0.22715	89.72	LEFT
1.68771E-01	77.95	7.42836E-01	166.78				
-45.00	310.00	-19.37	-9.94	-9.47	0.18366	-74.14	LEFT
2.10687E-01	49.11	6.23663E-01	-166.76				
-40.00	310.00	-17.44	-5.17	-4.92	0.17046	-80.13	
RIGHT	2.63038E-01	2.99	1.08015E+00		-130.91		
-35.00	310.00	-13.88	-0.37	-0.18	0.20912	88.35	
RIGHT	3.96362E-01	-43.84	1.87770E+00		-126.35		

-30.00	310.00	-10.65	1.39	1.65	0.18771	80.62	
RIGHT	5.74515E-01	-81.10	2.29821E+00		-131.51		
-25.00	310.00	-9.04	-1.34	-0.66	0.12023	68.45	
RIGHT	6.91986E-01	-115.90	1.67845E+00		-135.56		
-20.00	310.00	-8.94	-8.90	-5.91	0.42063	-45.19	LEFT
6.99903E-01	-157.37	7.03085E-01	-23.00				
-15.00	310.00	-8.68	6.48	6.61	0.08882	-81.45	
RIGHT	7.21233E-01	147.77	4.13102E+00		-0.88		
-10.00	310.00	-6.36	12.61	12.67	0.10907	-88.41	
RIGHT	9.41619E-01	93.43	8.36538E+00		-10.71		
-5.00	310.00	-4.01	15.79	15.83	0.09898	88.50	
RIGHT	1.23461E+00	51.96	1.20607E+01		-23.40		
0.00	310.00	-3.09	17.08	17.13	0.07901	86.67	
RIGHT	1.37288E+00	16.63	1.39982E+01		-37.29		
-90.00	315.00	-999.99	-999.99	-999.99	0.00000	0.00	
3.36561E-23	-21.01	2.27959E-11	68.36				
-85.00	315.00	-46.27	-14.19	-14.19	0.02488	-89.97	
RIGHT	9.51314E-03	-21.74	3.82259E-01		-112.80		
-80.00	315.00	-35.17	-8.70	-8.69	0.04744	-89.88	
RIGHT	3.41626E-02	-23.85	7.19338E-01		-116.41		
-75.00	315.00	-29.87	-6.12	-6.10	0.06458	-89.62	
RIGHT	6.28588E-02	-27.05	9.68337E-01		-122.83		
-70.00	315.00	-27.80	-5.02	-5.00	0.07092	-89.11	
RIGHT	7.97586E-02	-30.52	1.09888E+00		-132.75		
-65.00	315.00	-28.89	-4.90	-4.89	0.05682	-88.41	
RIGHT	7.03812E-02	-31.16	1.11341E+00		-147.06		
-60.00	315.00	-34.48	-5.33	-5.32	0.01265	-88.14	
RIGHT	3.69662E-02	-6.98	1.06063E+00		-165.68		
-55.00	315.00	-31.20	-5.88	-5.86	0.05049	-88.88	LEFT
5.39102E-02	64.56	9.95629E-01	175.68				
-50.00	315.00	-26.43	-6.68	-6.63	0.09747	-88.12	LEFT
9.33836E-02	58.92	9.07872E-01	167.37				
-45.00	315.00	-25.13	-7.01	-6.94	0.00929	-82.94	LEFT
1.08540E-01	7.45	8.73646E-01	-176.90				
-40.00	315.00	-18.03	-3.59	-3.43	0.18908	-89.16	
RIGHT	2.45806E-01	-57.36	1.29609E+00		-151.64		
-35.00	315.00	-11.16	0.49	0.78	0.21237	81.29	
RIGHT	5.42173E-01	-88.83	2.07174E+00		-144.89		
-30.00	315.00	-7.10	2.24	2.72	0.18995	74.15	
RIGHT	8.64653E-01	-111.03	2.53486E+00		-147.90		
-25.00	315.00	-5.56	0.03	1.09	0.14047	63.10	
RIGHT	1.03259E+00	-132.89	1.96624E+00		-152.44		
-20.00	315.00	-6.81	-14.53	-6.13	0.38121	-8.87	LEFT
8.93992E-01	-161.18	3.67628E-01	-52.31				
-15.00	315.00	-10.70	5.75	5.84	0.08653	-82.97	
RIGHT	5.71655E-01	138.20	3.79481E+00		-6.14		
-10.00	315.00	-6.17	12.35	12.42	0.11045	87.53	
RIGHT	9.62999E-01	54.28	8.12132E+00		-14.66		
-5.00	315.00	-0.92	15.68	15.77	0.09963	83.76	
RIGHT	1.76079E+00	17.32	1.19073E+01		-25.66		
0.00	315.00	1.42	17.01	17.13	0.07901	81.67	
RIGHT	2.30737E+00	-8.67	1.38748E+01		-37.69		

-90.00	320.00	-999.99	-999.99	-999.99	0.00000	0.00	
3.53629E-23	-62.20	2.99409E-11	49.59				
-85.00	320.00	-45.83	-11.83	-11.83	0.01851	89.58	
RIGHT	1.00059E-02	-63.09	5.01801E-01		-131.29		
-80.00	320.00	-34.70	-6.35	-6.34	0.03548	89.19	
RIGHT	3.60404E-02	-65.79	9.43036E-01		-134.02		
-75.00	320.00	-29.36	-3.78	-3.77	0.04888	88.89	
RIGHT	6.66560E-02	-70.49	1.26708E+00		-138.85		
-70.00	320.00	-27.22	-2.72	-2.70	0.05538	88.74	
RIGHT	8.53207E-02	-77.79	1.43257E+00		-146.26		
-65.00	320.00	-28.13	-2.70	-2.69	0.04926	88.80	
RIGHT	7.68347E-02	-89.99	1.43474E+00		-156.95		
-60.00	320.00	-33.52	-3.39	-3.39	0.02377	88.85	
RIGHT	4.12863E-02	-121.41	1.32536E+00		-171.16		
-55.00	320.00	-34.90	-4.29	-4.29	0.01522	88.55	LEFT
3.52086E-02	142.67	1.19441E+00	173.77				
-50.00	320.00	-34.52	-4.97	-4.96	0.02728	88.91	LEFT
3.68083E-02	111.54	1.10516E+00	166.56				
-45.00	320.00	-28.24	-4.49	-4.47	0.06432	89.49	
RIGHT	7.58643E-02	-101.25	1.16828E+00		176.63		
-40.00	320.00	-14.71	-1.49	-1.29	0.18279	83.17	
RIGHT	3.60223E-01	-109.31	1.64889E+00		-167.33		
-35.00	320.00	-7.82	1.87	2.32	0.20035	75.45	
RIGHT	7.95539E-01	-121.11	2.43006E+00		-161.76		
-30.00	320.00	-4.00	3.42	4.15	0.18406	68.95	
RIGHT	1.23619E+00	-134.04	2.90436E+00		-163.65		
-25.00	320.00	-2.71	1.54	2.93	0.15036	59.17	
RIGHT	1.43404E+00	-148.81	2.33900E+00		-168.08		
-20.00	320.00	-4.61	-17.14	-4.37	0.11799	11.57	LEFT
1.15211E+00	-168.96	2.72217E-01	-137.62				
-15.00	320.00	-12.16	4.93	5.01	0.08917	-83.86	
RIGHT	4.82743E-01	128.50	3.45395E+00		-11.31		
-10.00	320.00	-3.83	12.06	12.17	0.11267	83.47	
RIGHT	1.26051E+00	26.53	7.84755E+00		-18.75		
-5.00	320.00	2.30	15.51	15.71	0.10028	79.01	
RIGHT	2.55296E+00	0.41	1.16812E+01		-28.01		
0.00	320.00	4.81	16.86	17.13	0.07901	76.67	
RIGHT	3.40688E+00	-18.59	1.36465E+01		-38.10		
-90.00	325.00	-999.99	-999.99	-999.99	0.00000	0.00	
3.40958E-23	-106.54	3.19763E-11	28.47				
-85.00	325.00	-46.17	-11.27	-11.27	0.01263	89.27	
RIGHT	9.62702E-03	-107.65	5.35075E-01		-152.25		
-80.00	325.00	-35.09	-5.83	-5.82	0.02361	88.56	
RIGHT	3.44775E-02	-111.18	1.00092E+00		-154.48		
-75.00	325.00	-29.82	-3.33	-3.32	0.03073	87.93	
RIGHT	6.32504E-02	-117.96	1.33503E+00		-158.45		
-70.00	325.00	-27.66	-2.35	-2.33	0.03046	87.43	
RIGHT	8.10854E-02	-130.35	1.49492E+00		-164.60		
-65.00	325.00	-27.71	-2.43	-2.42	0.01730	87.04	
RIGHT	8.06279E-02	-154.97	1.48009E+00		-173.54		
-60.00	325.00	-27.37	-3.22	-3.20	0.01339	86.54	LEFT
8.38323E-02	162.03	1.35189E+00	174.54				

-55.00	325.00	-25.00	-4.12	-4.09	0.04870	85.64	LEFT
1.10185E-01	129.55	1.21812E+00	162.34				
-50.00	325.00	-25.26	-4.42	-4.39	0.03815	85.29	LEFT
1.06913E-01	133.12	1.17697E+00	158.13				
-45.00	325.00	-21.03	-3.09	-3.03	0.06761	83.88	
RIGHT	1.73858E-01	-159.70	1.37141E+00	167.65			
-40.00	325.00	-11.04	0.12	0.44	0.16308	77.38	
RIGHT	5.49603E-01	-142.64	1.98604E+00	179.19			
-35.00	325.00	-4.82	3.22	3.85	0.18194	70.56	
RIGHT	1.12394E+00	-145.91	2.83576E+00	-176.85			
-30.00	325.00	-1.31	4.61	5.60	0.17266	64.47	
RIGHT	1.68506E+00	-153.69	3.32892E+00	-178.28			
-25.00	325.00	-0.24	2.93	4.64	0.14991	55.72	
RIGHT	1.90480E+00	-164.00	2.74345E+00	177.76			
-20.00	325.00	-2.49	-10.68	-1.88	0.02931	21.22	
RIGHT	1.46984E+00	-178.86	5.72325E-01	176.17			
-15.00	325.00	-12.78	4.07	4.16	0.09925	-84.06	
RIGHT	4.49851E-01	119.39	3.12767E+00	-16.39			
-10.00	325.00	-1.42	11.72	11.93	0.11582	79.38	
RIGHT	1.66374E+00	10.00	7.55328E+00	-22.96			
-5.00	325.00	4.82	15.29	15.66	0.10094	74.23	
RIGHT	3.41231E+00	-9.14	1.13857E+01	-30.45			
0.00	325.00	7.29	16.65	17.13	0.07901	71.67	
RIGHT	4.53240E+00	-23.62	1.33151E+01	-38.53			
-90.00	330.00	-999.99	-999.99	-999.99	0.00000	0.00	
2.26595E-23	-152.06	2.51295E-11	5.73				
-85.00	330.00	-49.85	-13.40	-13.40	0.00535	89.19	
RIGHT	6.30193E-03	-154.12	4.18515E-01	-174.93			
-80.00	330.00	-39.17	-8.09	-8.09	0.00757	88.46	
RIGHT	2.15561E-02	-161.29	7.71535E-01	-177.02			
-75.00	330.00	-34.42	-5.81	-5.80	0.00217	87.88	
RIGHT	3.72263E-02	-177.51	1.00332E+00	179.14			
-70.00	330.00	-31.60	-5.14	-5.13	0.01870	87.50	LEFT
5.15252E-02	149.67	1.08341E+00	172.86				
-65.00	330.00	-27.02	-5.59	-5.56	0.06745	87.06	LEFT
8.72364E-02	110.25	1.02895E+00	163.15				
-60.00	330.00	-22.13	-6.57	-6.45	0.14716	85.52	LEFT
1.53286E-01	87.31	9.19565E-01	149.95				
-55.00	330.00	-19.57	-7.12	-6.88	0.20425	82.96	LEFT
2.05805E-01	78.66	8.62400E-01	138.93				
-50.00	330.00	-21.00	-6.33	-6.18	0.14188	83.25	LEFT
1.74538E-01	90.67	9.44946E-01	141.80				
-45.00	330.00	-18.57	-3.24	-3.11	0.04098	80.56	
RIGHT	2.30890E-01	170.73	1.34893E+00	156.49			
-40.00	330.00	-8.39	0.97	1.45	0.14318	72.82	
RIGHT	7.45694E-01	-166.17	2.19033E+00	166.45			
-35.00	330.00	-2.33	4.22	5.09	0.16392	66.14	
RIGHT	1.49785E+00	-166.35	3.18341E+00	169.17			
-30.00	330.00	1.01	5.59	6.89	0.15933	60.26	
RIGHT	2.20028E+00	-171.21	3.72559E+00	168.00			
-25.00	330.00	1.91	4.04	6.12	0.14315	52.25	
RIGHT	2.44058E+00	-178.47	3.11820E+00	164.73			



-20.00	330.00	-0.55	-6.78	0.38	0.08676	25.67	
RIGHT	1.83844E+00	170.34	8.97041E-01		157.72		
-15.00	330.00	-12.50	3.21	3.33	0.11953	-83.61	
RIGHT	4.64155E-01	110.94	2.83498E+00		-21.40		
-10.00	330.00	0.59	11.36	11.71	0.11992	75.25	
RIGHT	2.09535E+00	-1.00	7.24658E+00		-27.30		
-5.00	330.00	6.79	15.01	15.62	0.10159	69.44	
RIGHT	4.28110E+00	-15.64	1.10238E+01		-32.98		
0.00	330.00	9.19	16.36	17.13	0.07901	66.67	
RIGHT	5.64445E+00	-26.65	1.28831E+01		-38.98		
-90.00	335.00	-999.99	-999.99	-999.99	0.00000	0.00	
1.29793E-23	46.93	9.12047E-12	-19.07				
-85.00	335.00	-53.48	-22.47	-22.47	0.02560	-89.33	LEFT
4.15069E-03	45.11	1.47309E-01	159.80				
-80.00	335.00	-39.50	-18.04	-18.01	0.07662	-87.96	LEFT
2.07338E-02	41.01	2.45479E-01	155.73				
-75.00	335.00	-30.18	-17.49	-17.27	0.21824	-85.49	LEFT
6.06390E-02	36.73	2.61335E-01	145.62				
-70.00	335.00	-23.19	-19.31	-17.82	0.63489	84.87	LEFT
1.35671E-01	33.00	2.11933E-01	118.22				
-65.00	335.00	-18.00	-18.47	-15.22	0.33855	43.03	LEFT
2.46680E-01	29.87	2.33541E-01	67.35				
-60.00	335.00	-14.55	-14.87	-11.70	0.13316	43.92	LEFT
3.66599E-01	27.41	3.53532E-01	42.59				
-55.00	335.00	-13.26	-14.21	-10.70	0.18448	41.65	LEFT
4.25355E-01	26.33	3.81311E-01	47.37				
-50.00	335.00	-15.88	-13.96	-11.80	0.66436	62.12	LEFT
3.14640E-01	31.56	3.92711E-01	102.40				
-45.00	335.00	-20.97	-5.40	-5.28	0.00746	80.55	LEFT
1.75220E-01	142.46	1.05216E+00	145.10				
-40.00	335.00	-6.78	1.04	1.70	0.12953	68.90	
RIGHT	8.97438E-01	175.61	2.20730E+00		154.20		
-35.00	335.00	-0.34	4.80	5.96	0.14941	61.88	
RIGHT	1.88368E+00	175.96	3.40510E+00		155.78		
-30.00	335.00	2.98	6.26	7.93	0.14645	56.07	
RIGHT	2.75872E+00	172.78	4.02691E+00		154.87		
-25.00	335.00	3.77	4.81	7.33	0.13345	48.54	
RIGHT	3.02314E+00	167.75	3.40748E+00		152.44		
-20.00	335.00	1.17	-4.60	2.19	0.10386	26.78	
RIGHT	2.24074E+00	159.29	1.15304E+00		144.66		
-15.00	335.00	-11.63	2.44	2.60	0.15188	-82.75	
RIGHT	5.13455E-01	102.37	2.59223E+00		-26.48		
-10.00	335.00	2.24	10.98	11.53	0.12491	71.03	
RIGHT	2.53319E+00	-9.33	6.93366E+00		-31.76		
-5.00	335.00	8.38	14.67	15.58	0.10221	64.61	
RIGHT	5.13848E+00	-20.65	1.05983E+01		-35.59		
0.00	335.00	10.71	16.00	17.13	0.07901	61.67	
RIGHT	6.72417E+00	-28.69	1.23539E+01		-39.47		
-90.00	340.00	-999.99	-999.99	-999.99	0.00000	0.00	
6.75045E-23	-11.50	1.29754E-11	140.41				
-85.00	340.00	-39.79	-18.72	-18.68	0.04114	85.52	
RIGHT	2.00709E-02	-11.41	2.26982E-01		-39.32		

-80.00	340.00	-27.36	-12.18	-12.05	0.07831	81.16	
RIGHT	8.39136E-02	-11.21	4.81785E-01	-38.62			
-75.00	340.00	-19.83	-8.02	-7.75	0.10953	76.92	
RIGHT	1.99601E-01	-11.02	7.77443E-01	-37.72			
-70.00	340.00	-14.46	-5.04	-4.57	0.13472	72.74	
RIGHT	3.70699E-01	-10.99	1.09583E+00	-36.83			
-65.00	340.00	-10.56	-3.09	-2.38	0.15458	68.44	
RIGHT	5.80870E-01	-11.19	1.37192E+00	-36.05			
-60.00	340.00	-8.05	-2.39	-1.35	0.16986	63.68	
RIGHT	7.74983E-01	-11.63	1.48680E+00	-35.39			
-55.00	340.00	-7.28	-3.67	-2.10	0.18096	57.43	
RIGHT	8.46582E-01	-12.26	1.28341E+00	-34.67			
-50.00	340.00	-9.59	-10.01	-6.78	0.17478	43.54	
RIGHT	6.49109E-01	-12.74	6.18713E-01	-32.59			
-45.00	340.00	-31.44	-11.01	-10.97	0.07032	-86.34	LEFT
5.24454E-02	7.80	5.51438E-01	139.87				
-40.00	340.00	-6.00	0.43	1.32	0.12679	65.25	
RIGHT	9.81908E-01	161.33	2.05688E+00	142.61			
-35.00	340.00	1.22	4.99	6.51	0.13947	57.57	
RIGHT	2.25418E+00	160.09	3.47867E+00	142.65			
-30.00	340.00	4.61	6.61	8.73	0.13505	51.76	
RIGHT	3.33105E+00	157.86	4.19041E+00	142.06			
-25.00	340.00	5.34	5.21	8.29	0.12267	44.55	
RIGHT	3.62330E+00	154.58	3.56873E+00	140.59			
-20.00	340.00	2.63	-3.53	3.57	0.10439	25.72	
RIGHT	2.65091E+00	148.27	1.30473E+00	133.17			
-15.00	340.00	-10.52	1.81	2.05	0.19575	-81.90	
RIGHT	5.83253E-01	92.63	2.41071E+00	-31.80			
-10.00	340.00	3.63	10.58	11.38	0.13061	66.70	
RIGHT	2.97428E+00	-16.28	6.61820E+00	-36.36			
-5.00	340.00	9.69	14.26	15.56	0.10277	59.76	
RIGHT	5.97457E+00	-24.85	1.01112E+01	-38.28			
0.00	340.00	11.96	15.55	17.13	0.07901	56.67	
RIGHT	7.75891E+00	-30.18	1.17317E+01	-40.01			
-90.00	345.00	-999.99	-999.99	-999.99	0.00000	0.00	
1.43433E-22	-43.26	3.61426E-11	115.11				
-85.00	345.00	-33.33	-10.00	-9.98	0.02502	86.37	
RIGHT	4.22066E-02	-43.18	6.19213E-01	-64.80			
-80.00	345.00	-21.15	-3.96	-3.87	0.04993	82.66	
RIGHT	1.71504E-01	-42.95	1.24181E+00	-64.52			
-75.00	345.00	-13.98	-0.48	-0.29	0.07437	78.80	
RIGHT	3.91587E-01	-42.65	1.85221E+00	-64.08			
-70.00	345.00	-9.01	1.76	2.11	0.09758	74.75	
RIGHT	6.94302E-01	-42.32	2.39859E+00	-63.54			
-65.00	345.00	-5.50	3.05	3.62	0.11861	70.46	
RIGHT	1.03992E+00	-42.07	2.78165E+00	-62.96			
-60.00	345.00	-3.32	3.28	4.14	0.13679	65.86	
RIGHT	1.33685E+00	-42.00	2.85830E+00	-62.48			
-55.00	345.00	-2.70	2.02	3.28	0.15269	60.66	
RIGHT	1.43463E+00	-42.38	2.47179E+00	-62.48			
-50.00	345.00	-4.62	-2.22	-0.25	0.17394	53.33	
RIGHT	1.15012E+00	-44.18	1.51671E+00	-64.71			

-45.00	345.00	-14.81	-19.43	-13.52	0.58417	3.84
RIGHT	3.56078E-01	-60.88	2.09220E-01		-146.57	
-40.00	345.00	-5.68	-0.65	0.53	0.14061	61.43
RIGHT	1.01852E+00	150.63	1.81626E+00		131.77	
-35.00	345.00	2.46	4.84	6.82	0.13419	53.07
RIGHT	2.59843E+00	145.42	3.42026E+00		129.53	
-30.00	345.00	5.96	6.62	9.31	0.12530	47.26
RIGHT	3.88881E+00	143.70	4.19875E+00		129.37	
-25.00	345.00	6.64	5.23	9.00	0.11158	40.26
RIGHT	4.20545E+00	141.90	3.57578E+00		129.00	
-20.00	345.00	3.81	-3.34	4.57	0.09803	23.18
RIGHT	3.03669E+00	137.40	1.33255E+00		122.10	
-15.00	345.00	-9.45	1.38	1.72	0.24753	-81.67
RIGHT	6.59562E-01	80.88	2.29506E+00		-37.64	
-10.00	345.00	4.85	10.15	11.27	0.13675	62.21
RIGHT	3.42232E+00	-22.44	6.30094E+00		-41.11	
-5.00	345.00	10.79	13.78	15.54	0.10325	54.87
RIGHT	6.78338E+00	-28.55	9.56439E+00		-41.05	
0.00	345.00	12.99	15.01	17.13	0.07901	51.67
RIGHT	8.73862E+00	-31.32	1.10213E+01		-40.61	
-90.00	350.00	-999.99	-999.99	-999.99	0.00000	0.00
2.28056E-22	-71.53	5.53223E-11	90.44			
-85.00	350.00	-29.33	-6.34	-6.32	0.02179	86.14
RIGHT	6.68779E-02	-71.43	9.43777E-01		-89.42	
-80.00	350.00	-17.24	-0.40	-0.31	0.04342	82.19
RIGHT	2.69045E-01	-71.12	1.86963E+00		-89.03	
-75.00	350.00	-10.20	2.91	3.12	0.06449	78.06
RIGHT	6.05056E-01	-70.64	2.73732E+00		-88.38	
-70.00	350.00	-5.39	4.96	5.34	0.08425	73.72
RIGHT	1.05328E+00	-70.01	3.46655E+00		-87.51	
-65.00	350.00	-2.04	6.05	6.68	0.10169	69.16
RIGHT	1.54763E+00	-69.32	3.93022E+00		-86.49	
-60.00	350.00	-0.01	6.13	7.08	0.11581	64.36
RIGHT	1.95653E+00	-68.72	3.96808E+00		-85.47	
-55.00	350.00	0.54	4.87	6.23	0.12615	59.21
RIGHT	2.08313E+00	-68.60	3.42925E+00		-84.85	
-50.00	350.00	-1.18	1.19	3.18	0.13507	53.02
RIGHT	1.70962E+00	-70.31	2.24645E+00		-86.29	
-45.00	350.00	-8.64	-10.41	-6.42	0.23520	38.54
RIGHT	7.24031E-01	-86.21	5.91040E-01		-113.28	
-40.00	350.00	-5.29	-1.87	-0.24	0.17386	56.71
RIGHT	1.06547E+00	142.31	1.57852E+00		120.97	
-35.00	350.00	3.48	4.44	7.00	0.13298	48.28
RIGHT	2.92323E+00	131.42	3.26546E+00		116.18	
-30.00	350.00	7.05	6.32	9.71	0.11684	42.53
RIGHT	4.40792E+00	130.07	4.05345E+00		116.69	
-25.00	350.00	7.66	4.84	9.49	0.10027	35.66
RIGHT	4.73155E+00	129.61	3.41875E+00		117.54	
-20.00	350.00	4.70	-4.04	5.24	0.08865	19.55
RIGHT	3.36264E+00	126.65	1.23031E+00		110.83	
-15.00	350.00	-8.52	1.18	1.62	0.30196	-82.77
RIGHT	7.34121E-01	66.42	2.24284E+00		-44.19	

-10.00	350.00	5.95	9.70	11.22	0.14296	57.53
RIGHT	3.88313E+00	-28.15	5.97947E+00		-46.01	
-5.00	350.00	11.73	13.21	15.54	0.10360	49.95
RIGHT	7.56037E+00	-31.92	8.95917E+00		-43.93	
0.00	350.00	13.86	14.36	17.13	0.07901	46.67
RIGHT	9.65461E+00	-32.24	1.02285E+01		-41.29	
-90.00	355.00	-999.99	-999.99	-999.99	0.00000	0.00
3.06025E-22	-98.33	6.66925E-11	65.99			
-85.00	355.00	-26.79	-4.73	-4.71	0.02112	85.65
RIGHT	8.95792E-02	-98.18	1.13556E+00		-113.80	
-80.00	355.00	-14.75	1.16	1.27	0.04168	81.20
RIGHT	3.58455E-01	-97.73	2.23706E+00		-113.18	
-75.00	355.00	-7.78	4.39	4.65	0.06094	76.58
RIGHT	7.99509E-01	-96.99	3.24675E+00		-112.15	
-70.00	355.00	-3.06	6.35	6.82	0.07791	71.75
RIGHT	1.37748E+00	-95.99	4.06604E+00		-110.76	
-65.00	355.00	0.19	7.33	8.10	0.09146	66.72
RIGHT	2.00115E+00	-94.81	4.55302E+00		-109.06	
-60.00	355.00	2.13	7.31	8.46	0.10044	61.52
RIGHT	2.50250E+00	-93.62	4.54332E+00		-107.23	
-55.00	355.00	2.61	5.98	7.63	0.10379	56.11
RIGHT	2.64468E+00	-92.88	3.90011E+00		-105.65	
-50.00	355.00	0.95	2.43	4.76	0.10061	49.98
RIGHT	2.18366E+00	-94.23	2.59087E+00		-105.89	
-45.00	355.00	-5.56	-7.58	-3.44	0.12389	38.19
RIGHT	1.03256E+00	-110.06	8.18499E-01		-124.57	
-40.00	355.00	-4.37	-2.87	-0.54	0.21638	50.39
RIGHT	1.18460E+00	133.11	1.40705E+00		108.31	
-35.00	355.00	4.38	3.84	7.13	0.13436	43.15
RIGHT	3.24427E+00	117.64	3.04805E+00		102.30	
-30.00	355.00	7.91	5.68	9.95	0.10892	37.55
RIGHT	4.86759E+00	116.78	3.76631E+00		103.93	
-25.00	355.00	8.42	4.00	9.76	0.08843	30.76
RIGHT	5.16384E+00	117.63	3.10234E+00		106.17	
-20.00	355.00	5.27	-5.79	5.60	0.07793	15.04
RIGHT	3.59368E+00	115.99	1.00527E+00		98.61	
-15.00	355.00	-7.65	1.19	1.72	0.35433	-85.82
RIGHT	8.11850E-01	48.65	2.24485E+00		-51.52	
-10.00	355.00	6.96	9.20	11.23	0.14880	52.66
RIGHT	4.36219E+00	-33.58	5.64835E+00		-51.09	
-5.00	355.00	12.55	12.54	15.55	0.10380	44.98
RIGHT	8.30135E+00	-35.06	8.29661E+00		-46.91	
0.00	355.00	14.59	13.59	17.13	0.07901	41.67
RIGHT	1.04992E+01	-33.01	9.35953E+00		-42.10	
-90.00	360.00	-999.99	-999.99	-999.99	0.00000	0.00
3.60514E-22	-124.21	6.83370E-11	41.89			
-85.00	360.00	-25.38	-4.53	-4.50	0.02146	84.96
RIGHT	1.05380E-01	-124.01	1.16205E+00		-137.80	
-80.00	360.00	-13.37	1.32	1.47	0.04169	79.83
RIGHT	4.20019E-01	-123.39	2.28029E+00		-136.90	
-75.00	360.00	-6.46	4.50	4.84	0.05939	74.52
RIGHT	9.31063E-01	-122.36	3.28855E+00		-135.41	

-70.00	360.00	-1.80	6.38	7.00	0.07321	69.04
RIGHT	1.59151E+00	-120.96	4.08331E+00	-133.39		
-65.00	360.00	1.36	7.27	8.26	0.08186	63.43
RIGHT	2.29103E+00	-119.26	4.52440E+00	-130.90		
-60.00	360.00	3.22	7.15	8.62	0.08416	57.73
RIGHT	2.83657E+00	-117.47	4.45917E+00	-128.10		
-55.00	360.00	3.61	5.70	7.79	0.07858	51.91
RIGHT	2.96695E+00	-116.17	3.77338E+00	-125.42		
-50.00	360.00	1.87	1.99	4.94	0.06135	45.41
RIGHT	2.42828E+00	-117.36	2.46324E+00	-124.38		
-45.00	360.00	-4.39	-8.33	-2.92	0.04948	32.39
RIGHT	1.18082E+00	-135.59	7.50995E-01	-141.85		
-40.00	360.00	-2.90	-3.45	-0.15	0.24902	42.95
RIGHT	1.40304E+00	119.74	1.31712E+00	91.72		
-35.00	360.00	5.22	3.06	7.28	0.13605	37.68
RIGHT	3.57168E+00	103.70	2.78526E+00	87.71		
-30.00	360.00	8.56	4.67	10.05	0.10051	32.31
RIGHT	5.24601E+00	103.71	3.35252E+00	91.04		
-25.00	360.00	8.92	2.61	9.83	0.07551	25.55
RIGHT	5.46649E+00	105.88	2.64354E+00	94.84		
-20.00	360.00	5.52	-9.20	5.67	0.06679	9.71
RIGHT	3.69861E+00	105.31	6.79169E-01	83.33		
-15.00	360.00	-6.58	1.34	1.99	0.40090	88.67
RIGHT	9.17907E-01	27.67	2.28591E+00	-59.55		
-10.00	360.00	7.90	8.65	11.30	0.15382	47.58
RIGHT	4.86319E+00	-38.81	5.29952E+00	-56.36		
-5.00	360.00	13.25	11.75	15.58	0.10381	39.98
RIGHT	9.00195E+00	-38.01	7.57772E+00	-50.04		
0.00	360.00	15.20	12.67	17.13	0.07901	36.67
RIGHT	1.12654E+01	-33.66	8.42160E+00	-43.09		

AVERAGE POWER GAIN= 2.13320E+00  
 2.0000)\*PI STERADIANS.

SOLID ANGLE USED IN AVERAGING=(

\*\*\*\*\* DATA CARD NO. 20 EN 0 19 73 1003 -9.00000E+01  
 0.00000E+00 5.00000E+00 5.00000E+00 0.00000E+00 0.00000E+00

RUN TIME = 0.359