Table 1: Number of evaluations needed to find a feasible solution (P: problem, std: standard deviation, SR: success rate and p_{kw} : p-values of the Kruskal-Wallis).

vvan	10).							
Р	Method	Best	Median	Mean	std.	Worst	SR %	p_{kw}
	0+4	28253	82327	234093.29	3.46E+5	1550761	93.33	
	1+3	16693	88343	88566.33	3.79E+4	159225	100	
dc1	2+2	22345	61383	72814.20	3.75E+4	157193	100	1.06E-1
ď	3+1	16497	71383	81671.53	4.55E+4	233501	100	1.0012-1
	4+0	28657	92649	119078.60	8.71E+4	364825	100	
	0+4	11155705	14958613	14958612.00	3.80E+6	18761524	6.66	
4	1+3	4203609	15297191	15158191.00	8.42E+6	30138605	60	
alu4	2+2	3992305	14487059	14510074.17	6.32E+6	29470237	80	5.34E-1
	3+1	2590765	11570917	11644744.00	5.73E+6	27562373	93.33	
	4+0	3701493	11510149	13280590.71	7.03E+6	29996993	93.33	
	0+4	115433	503249	934379.48	1.15E+6	4394297	96.67	
ಹ	1+3	107997	371347	401950.60	1.72E + 5	1014825	100	2.56E-2
cm85a	2+2	115889	446549	459062.73	2.10E + 5	948757	100	
cn	3+1	176281	502865	558468.20	3.20E+5	1506261	100	
	4+0	243657	550441	767037.53	4.91E+5	1744525	100	
	0+4	467189	2523281	4918973.97	5.43E+6	21860889	96.67	0.97E 1
02	1+3	712873	2532073	3946837.13	3.26E+6	13328633	100	
	2+2	993773	2990237	3675683.40	2.08E+6	8728341	100	
sa		734441				10572997		9.27E-1
sao2	3+1		3197411	3758259.67	2.37E+6		100	
	4+0	792737	3070581	4642438.73	4.74E+6	24620861	100	
	0+4	1035501	4801839	5169961.93	3.06E+6	15967889	100	
	1+3	1996133	3700897	4019245.00	1.30E+6	7599141	100	
apla	2+2	1836513	3166145	3546319.93	1.24E+6	6039625	100	7.47E-5
1 00	3+1	1485025	3510565	4101639.80	2.01E+6	8797297	100	
	4+0	2489093	5822959	6492839.40	3.33E+6	16292169	100	
	0+4	_	_	_	_	_	0	
	1+3	387733	1857245	2859926.66	2.85E+6	14570501	96.67	
f51m	2+2	869069	1987763	2825418.60	2.49E+6	13699465	100	2.24E-1
f5	3+1	193389	2208043	3257522.47	2.76E+6	12930885	100	2.212.1
	4+0	436061	3292863	3911038.33	2.81E+6	11605521	100	
					2.011270			
	0+4	2916409	2916409	2916409.00	-	2916409	3.33	
2	1+3	1950217	7370571	7904914.86	3.42E+6	17461133	93.33	0.4477.4
dc2	2+2	1160297	6880624	6598408.26	4.01E+6	18816405	90	3.44E-1
	3+1	974457	6437425	6987364.86	3.99E+6	16015517	93.33	
	4+0	1146537	5386677	6625468.31	4.05E+6	18746289	96.67	
	0+4	37189	238629	474181.00	6.80E + 5	2369953	30	
	1+3	12013	137857	200115.40	1.63E + 5	546309	100	
z4m	2+2	37177	169565	175415.33	1.09E + 5	463185	100	9.63E-2
Z	3+1	48897	103043	163045.40	1.97E+5	1144701	100	
	4+0	21125	199311	211209.80	1.26E+5	482489	100	
	0+4	249	3063	3481.93	3.27E+3	17765	100	
	1+3	285	2713	3413.00	3.24E+3	14633	100	
C17	2+2	983	2827	3452.60	2.76E+3	15829	100	9.42E-1
Ö	3+1	985 589	2617	2951.67	2.70E+3 1.93E+3	7645	100	∂. 1 415-1
	$\frac{3+1}{4+0}$	537	2017 2449		·	15381	100	
				3648.60	3.09E+3			
	0+4	1018453	2825729	4349765.53	7.07E+6	41523213	100	
	1+3	500149	2391943	2480337.13	1.26E+6	5929661	100	
cn	2+2	669961	1847761	2200875.13	1.49E+6	8138929	100	1.64E-5
	3+1	773941	2736021	2680560.07	1.14E+6	5308213	100	
	4+0	1370421	3816927	5251121.80	3.50E+6	16369761	100	
	0+4	-	-	-	-	-	0	
	1+3	8246017	9898853	11369497.00	3.18E+6	16566629	30	-
inc	2+2	7493445	1091245	10438865.57	2.07E+6	13339189	23.33	8.44E-1
	3+1	7174821	11863591	12108817.67	3.24E+6	16174581	20	0.4412-1
	4+0	6928105	11806739	11625455.00	2.64E+6	15434645	26.66	
		532717	2572245	2823850.80	1.82E+6	7667417	66.66	
er	1 (1 1 2	00Z/11	2012240	<u> </u>				
	0+4		1000000	1499675 40	0.600.12	オリカにいソソ	100	_
dd	1+3	198077	1080389	1423675.40	9.69E+5	4246033 5548153	100	9 16E 9
6-add	1+3 2+2	198077 442901	1649199	1788680.73	1.16E+6	5548153	100	2.16E-2
6x6-adder	1+3	198077						2.16E-2

Table 2: Number of gates and depth for the first and final solution, relative

reduction and processing time.

$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	on (%) Depth 22.78 22.06 14.91 25.78 21.31 21.05	Time (s) 50.16 162.22 45.52 158.91
	22.78 22.06 14.91 25.78 21.31	50.16 162.22 45.52
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	22.06 14.91 25.78 21.31	162.22 45.52
2 2+2 50.9 12.07 24.5 10.27 51.87 3+1 51.6 12.57 24.13 9.33 53.24 4+0 49.97 12.2 23.97 9.6 52.03 0+4 239 19 129 15 46.03 1+3 187.05 19.5 118.29 17.47 36.76	14.91 25.78 21.31	45.52
3+1 51.6 12.57 24.13 9.33 53.24 4+0 49.97 12.2 23.97 9.6 52.03 0+4 239 19 129 15 46.03 1+3 187.05 19.5 118.29 17.47 36.76	25.78 21.31	
3+1 51.6 12.57 24.13 9.33 53.24 4+0 49.97 12.2 23.97 9.6 52.03 0+4 239 19 129 15 46.03 1+3 187.05 19.5 118.29 17.47 36.76	21.31	158.91
0+4 239 19 129 15 46.03 1+3 187.05 19.5 118.29 17.47 36.76		
0+4 239 19 129 15 46.03 1+3 187.05 19.5 118.29 17.47 36.76		44.60
1+3 187.05 19.5 118.29 17.47 36.76		7385.55
170 107.00 13.0 110.20 17.17 00.10	10.41	41350.58
<u>2</u> 2+2 185.33 20.04 112.5 16.67 39.3	16.82	19350.56
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	14.34	31601.44
4+0 159.14 18.82 97.82 16.5 38.53	12.33	15835.57
		1
0+4 119.59 18.07 31.79 12.38 73.42	31.48	367.06
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	31.73	1192.04
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	29.94	541.81
	26.38	1326.21
4+0 72.4 16.03 26.47 11.67 63.44	27.20	604.35
0+4 139.34 19.38 70.83 15.45 49.17	20.28	2594.96
1+3 141.03 18.73 67.03 15.63 52.47	16.55	6133.4
© 2+2 132 18.73 61.87 14.5 53.13	22.58	2245.28
3+1 141.23 18.53 65.33 14.9 53.74	14.5 53.13 22.58 14.9 53.74 19.59 14.8 53.93 21.28 16.87 64.38 23.56	5816.91
		2306.08
		3612.90
1+3 234.73 21.26 85.8 16.87 63.45	20.65	9901.72
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	∟ ∠∪.∪∂	3240.85
$\frac{1}{12}$ 0.10 0.20 52 0.00 05 07 17 62 07		1 3240.00
2+2 232.53 20.6 85.87 17 63.07	17.48	
3+1 224.77 20.9 83.1 15.87 63.03	17.48 24.07	9079.18
3+1 224.77 20.9 83.1 15.87 63.03 4+0 204.9 21.27 80.13 17.2 60.89	17.48	
3+1 224.77 20.9 83.1 15.87 63.03 4+0 204.9 21.27 80.13 17.2 60.89 0+4 - - - - -	17.48 24.07 19.13	9079.18 3050.23
3+1 224.77 20.9 83.1 15.87 63.03 4+0 204.9 21.27 80.13 17.2 60.89 0+4	17.48 24.07	9079.18 3050.23 - 493.85
3+1 224.77 20.9 83.1 15.87 63.03 4+0 204.9 21.27 80.13 17.2 60.89 0+4 - - - - - 1+3 53.9 12.48 39.34 12.24 27.01 2+2 53.7 12.8 40.73 12.1 24.15	17.48 24.07 19.13 - 1.92 5.47	9079.18 3050.23
3+1 224.77 20.9 83.1 15.87 63.03 4+0 204.9 21.27 80.13 17.2 60.89 0+4	17.48 24.07 19.13 - 1.92 5.47 0	9079.18 3050.23 - 493.85 168.92 483.82
3+1 224.77 20.9 83.1 15.87 63.03 4+0 204.9 21.27 80.13 17.2 60.89 0+4 - - - - - 1+3 53.9 12.48 39.34 12.24 27.01 2+2 53.7 12.8 40.73 12.1 24.15	17.48 24.07 19.13 - 1.92 5.47	9079.18 3050.23 - 493.85 168.92
## <	17.48 24.07 19.13 - 1.92 5.47 0 3.71	9079.18 3050.23 - 493.85 168.92 483.82 155.90
\$\begin{array}{c c c c c c c c c c c c c c c c c c c	17.48 24.07 19.13 - 1.92 5.47 0 3.71	9079.18 3050.23 - 493.85 168.92 483.82 155.90 123.95
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	17.48 24.07 19.13 - 1.92 5.47 0 3.71 10 2.70	9079.18 3050.23 - 493.85 168.92 483.82 155.90 123.95 1095.05
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	17.48 24.07 19.13 - 1.92 5.47 0 3.71 10 2.70 6.27	9079.18 3050.23 - 493.85 168.92 483.82 155.90 123.95 1095.05 354.53
H 224.77 20.9 83.1 15.87 63.03 4+0 204.9 21.27 80.13 17.2 60.89 0+4 - - - - - - - 1+3 53.9 12.48 39.34 12.24 27.01 24.15 24.15 24.15 24.15 24.15 24.15 24.15 24.15 24.15 26.41 24.15 26.41 24.15 26.41 24.2 28.38 28.38 28.38 28.38 28.38 28.38 28.38 28.38 29.17.46 27.46 27.46 27.46 28.38 28.38 28.38 28.38 28.38 28.38 28.38 29.17.46 2	17.48 24.07 19.13 - 1.92 5.47 0 3.71 10 2.70 6.27 5.71	9079.18 3050.23 - 493.85 168.92 483.82 155.90 123.95 1095.05 354.53 1016.44
3+1 224.77 20.9 83.1 15.87 63.03 4+0 204.9 21.27 80.13 17.2 60.89 0+4 - - - - - - 1+3 53.9 12.48 39.34 12.24 27.01 2+2 53.7 12.8 40.73 12.1 24.15 3+1 49.37 12.17 36.33 12.17 26.41 4+0 48.13 12.67 34.47 12.2 28.38 0+4 63 10 52 9 17.46 1+3 64.04 14.43 53.86 14.04 15.90 2+2 64.88 14.19 52.22 13.30 19.51 3+1 61.79 14.36 49.11 13.54 20.52 4+0 59.86 14 48.97 13.66 18.19	17.48 24.07 19.13 - 1.92 5.47 0 3.71 10 2.70 6.27 5.71 2.43	9079.18 3050.23 - 493.85 168.92 483.82 155.90 123.95 1095.05 354.53 1016.44 322.22
3+1 224.77 20.9 83.1 15.87 63.03 4+0 204.9 21.27 80.13 17.2 60.89	17.48 24.07 19.13 - 1.92 5.47 0 3.71 10 2.70 6.27 5.71 2.43	9079.18 3050.23 - 493.85 168.92 483.82 155.90 123.95 1095.05 354.53 1016.44 322.22 40.76
3+1 224.77 20.9 83.1 15.87 63.03 4+0 204.9 21.27 80.13 17.2 60.89 0+4 - - - - - - 1+3 53.9 12.48 39.34 12.24 27.01 2+2 53.7 12.8 40.73 12.1 24.15 3+1 49.37 12.17 36.33 12.17 26.41 4+0 48.13 12.67 34.47 12.2 28.38 0+4 63 10 52 9 17.46 1+3 64.04 14.43 53.86 14.04 15.90 2+2 64.88 14.19 52.22 13.30 19.51 3+1 61.79 14.36 49.11 13.54 20.52 4+0 59.86 14 48.97 13.66 18.19 0+4 46 11.67 29.11 10.22 36.72 1+3 39.03 10.9 18.4 9.3 52.86	17.48 24.07 19.13 - 1.92 5.47 0 3.71 10 2.70 6.27 5.71 2.43 12.43 14.68	9079.18 3050.23 - 493.85 168.92 483.82 155.90 123.95 1095.05 354.53 1016.44 322.22 40.76 138.36
3+1 224.77 20.9 83.1 15.87 63.03 4+0 204.9 21.27 80.13 17.2 60.89	17.48 24.07 19.13 - 1.92 5.47 0 3.71 10 2.70 6.27 5.71 2.43 12.43 14.68 20.61	9079.18 3050.23 - 493.85 168.92 483.82 155.90 123.95 1095.05 354.53 1016.44 322.22 40.76 138.36 47.88
Heat of the content of the c	17.48 24.07 19.13 - 1.92 5.47 0 3.71 10 2.70 6.27 5.71 2.43 14.68 20.61 15.08	9079.18 3050.23 - 493.85 168.92 483.82 155.90 123.95 1095.05 354.53 1016.44 322.22 40.76 138.36 47.88 157.71
Example 1 3+1 224.77 20.9 83.1 15.87 63.03 4+0 204.9 21.27 80.13 17.2 60.89 0+4 - - - - - 1+3 53.9 12.48 39.34 12.24 27.01 2+2 53.7 12.8 40.73 12.1 24.15 3+1 49.37 12.17 36.33 12.17 26.41 4+0 48.13 12.67 34.47 12.2 28.38 0+4 63 10 52 9 17.46 1+3 64.04 14.43 53.86 14.04 15.90 2+2 64.88 14.19 52.22 13.30 19.51 3+1 61.79 14.36 49.11 13.54 20.52 4+0 59.86 14 48.97 13.66 18.19 0+4 46 11.67 29.11 10.22 36.72 1+3 39.03<	17.48 24.07 19.13 - 1.92 5.47 0 3.71 10 2.70 6.27 5.71 2.43 14.68 20.61 15.08 17.96	9079.18 3050.23 493.85 168.92 483.82 155.90 123.95 1095.05 354.53 1016.44 322.22 40.76 138.36 47.88 157.71 54.73
3+1 224.77 20.9 83.1 15.87 63.03 4+0 204.9 21.27 80.13 17.2 60.89 0+4 - - - - - - 1+3 53.9 12.48 39.34 12.24 27.01 2+2 53.7 12.8 40.73 12.1 24.15 3+1 49.37 12.17 36.33 12.17 26.41 4+0 48.13 12.67 34.47 12.2 28.38 0+4 63 10 52 9 17.46 1+3 64.04 14.43 53.86 14.04 15.90 2+2 64.88 14.19 52.22 13.30 19.51 3+1 61.79 14.36 49.11 13.54 20.52 4+0 59.86 14 48.97 13.66 18.19 18 2+2 36 10.87 18 8.63 50 3+1 3	17.48 24.07 19.13 - 1.92 5.47 0 3.71 10 2.70 6.27 5.71 2.43 12.43 14.68 20.61 15.08 17.96 59.50	9079.18 3050.23 493.85 168.92 483.82 155.90 123.95 1095.05 354.53 1016.44 322.22 40.76 138.36 47.88 157.71 54.73 13.79
3+1 224.77 20.9 83.1 15.87 63.03 4+0 204.9 21.27 80.13 17.2 60.89	17.48 24.07 19.13 - 1.92 5.47 0 3.71 10 2.70 6.27 5.71 2.43 12.43 14.68 20.61 15.08 17.96 59.50 61.92	9079.18 3050.23 493.85 168.92 483.82 155.90 123.95 1095.05 354.53 1016.44 322.22 40.76 138.36 47.88 157.71 54.73 13.79 43.16
3+1 224.77 20.9 83.1 15.87 63.03 4+0 204.9 21.27 80.13 17.2 60.89 0+4 - - - - - - 1+3 53.9 12.48 39.34 12.24 27.01 2+2 53.7 12.8 40.73 12.1 24.15 3+1 49.37 12.17 36.33 12.17 26.41 4+0 48.13 12.67 34.47 12.2 28.38 0+4 63 10 52 9 17.46 1+3 64.04 14.43 53.86 14.04 15.90 2+2 64.88 14.19 52.22 13.30 19.51 3+1 61.79 14.36 49.11 13.54 20.52 4+0 59.86 14 48.97 13.66 18.19 E 0+4 46 11.67 29.11 10.22 36.72 1+3	17.48 24.07 19.13 - 1.92 5.47 0 3.71 10 2.70 6.27 5.71 2.43 14.68 20.61 15.08 17.96 59.50 61.92 64.18	9079.18 3050.23 - 493.85 168.92 483.82 155.90 123.95 1095.05 354.53 1016.44 322.22 40.76 138.36 47.88 157.71 54.73 13.79 43.16 19.70
3+1 224.77 20.9 83.1 15.87 63.03 4+0 204.9 21.27 80.13 17.2 60.89 0+4 - - - - - - 1+3 53.9 12.48 39.34 12.24 27.01 2+2 53.7 12.8 40.73 12.1 24.15 3+1 49.37 12.17 36.33 12.17 26.41 4+0 48.13 12.67 34.47 12.2 28.38 0+4 63 10 52 9 17.46 1+3 64.04 14.43 53.86 14.04 15.90 2+2 64.88 14.19 52.22 13.30 19.51 3+1 61.79 14.36 49.11 13.54 20.52 4+0 59.86 14 48.97 13.66 18.19 E 0+4 46 11.67 29.11 10.22 36.72 1+3	17.48 24.07 19.13 - 1.92 5.47 0 3.71 10 2.70 6.27 5.71 2.43 12.43 14.68 20.61 15.08 17.96 59.50 61.92 64.18 61.42	9079.18 3050.23 493.85 168.92 483.82 155.90 123.95 1095.05 354.53 1016.44 322.22 40.76 138.36 47.88 157.71 54.73 13.79 43.16 19.70 50.51
3+1 224.77 20.9 83.1 15.87 63.03 4+0 204.9 21.27 80.13 17.2 60.89 0+4 - - - - - - 1+3 53.9 12.48 39.34 12.24 27.01 2+2 53.7 12.8 40.73 12.1 24.15 3+1 49.37 12.17 36.33 12.17 26.41 4+0 48.13 12.67 34.47 12.2 28.38 0+4 63 10 52 9 17.46 1+3 64.04 14.43 53.86 14.04 15.90 2+2 64.88 14.19 52.22 13.30 19.51 3+1 61.79 14.36 49.11 13.54 20.52 4+0 59.86 14 48.97 13.66 18.19 E 0+4 46 11.67 29.11 10.22 36.72 1+3	17.48 24.07 19.13 - 1.92 5.47 0 3.71 10 2.70 6.27 5.71 2.43 14.68 20.61 15.08 17.96 59.50 61.92 64.18	9079.18 3050.23 - 493.85 168.92 483.82 155.90 123.95 1095.05 354.53 1016.44 322.22 40.76 138.36 47.88 157.71 54.73 13.79 43.16 19.70
3+1 224.77 20.9 83.1 15.87 63.03 4+0 204.9 21.27 80.13 17.2 60.89 0+4 - - - - - - 1+3 53.9 12.48 39.34 12.24 27.01 2+2 53.7 12.8 40.73 12.1 24.15 3+1 49.37 12.17 36.33 12.17 26.41 4+0 48.13 12.67 34.47 12.2 28.38 0+4 63 10 52 9 17.46 1+3 64.04 14.43 53.86 14.04 15.90 2+2 64.88 14.19 52.22 13.30 19.51 3+1 61.79 14.36 49.11 13.54 20.52 4+0 59.86 14 48.97 13.66 18.19 E 0+4 46 11.67 29.11 10.22 36.72 1+3	17.48 24.07 19.13 - 1.92 5.47 0 3.71 10 2.70 6.27 5.71 2.43 12.43 14.68 20.61 15.08 17.96 59.50 61.92 64.18 61.42	9079.18 3050.23 493.85 168.92 483.82 155.90 123.95 1095.05 354.53 1016.44 322.22 40.76 138.36 47.88 157.71 54.73 13.79 43.16 19.70 50.51
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	17.48 24.07 19.13 - 1.92 5.47 0 3.71 10 2.70 6.27 5.71 2.43 12.43 14.68 20.61 15.08 17.96 59.50 61.92 64.18 61.42 61.49	9079.18 3050.23 - 493.85 168.92 483.82 155.90 123.95 1095.05 354.53 1016.44 322.22 40.76 138.36 47.88 157.71 54.73 13.79 43.16 19.70 50.51 23.54
3+1 224.77 20.9 83.1 15.87 63.03 4+0 204.9 21.27 80.13 17.2 60.89	17.48 24.07 19.13 - 1.92 5.47 0 3.71 10 2.70 6.27 5.71 2.43 14.68 20.61 15.08 17.96 59.50 61.92 64.18 61.42 61.49 39.29	9079.18 3050.23 - 493.85 168.92 483.82 155.90 123.95 1095.05 354.53 1016.44 322.22 40.76 138.36 47.88 157.71 54.73 13.79 43.16 19.70 50.51 23.54 1052.14
3+1 224.77 20.9 83.1 15.87 63.03 4+0 204.9 21.27 80.13 17.2 60.89	17.48 24.07 19.13 - 1.92 5.47 0 3.71 10 2.70 6.27 5.71 2.43 14.68 20.61 15.08 17.96 59.50 61.92 64.18 61.42 61.49 39.29 40.81	9079.18 3050.23 - 493.85 168.92 483.82 155.90 123.95 1095.05 354.53 1016.44 322.22 40.76 138.36 47.88 157.71 54.73 13.79 43.16 19.70 50.51 23.54 1052.14 2685.84
Second Process Seco	17.48 24.07 19.13 - 1.92 5.47 0 3.71 10 2.70 6.27 5.71 2.43 14.68 20.61 15.08 17.96 59.50 61.92 64.18 61.42 61.49 39.29 40.81 41.32	9079.18 3050.23 - 493.85 168.92 483.82 155.90 123.95 1095.05 354.53 1016.44 322.22 40.76 138.36 47.88 157.71 54.73 13.79 43.16 19.70 50.51 23.54 1052.14 2685.84 1340.43
Heat State State	17.48 24.07 19.13 - 1.92 5.47 0 3.71 10 2.70 6.27 5.71 2.43 14.68 20.61 15.08 17.96 59.50 61.92 64.18 61.42 61.49 39.29 40.81 41.32 44.69 39	9079.18 3050.23 493.85 168.92 483.82 155.90 123.95 1095.05 354.53 1016.44 322.22 40.76 138.36 47.88 157.71 54.73 13.79 43.16 19.70 50.51 23.54 1052.14 2685.84 1340.43 3301.90 1437.04
Hart State State	17.48 24.07 19.13 - 1.92 5.47 0 3.71 10 2.70 6.27 5.71 2.43 14.68 20.61 15.08 17.96 59.50 61.92 64.18 61.42 61.49 39.29 40.81 41.32 44.69 39	9079.18 3050.23 - 493.85 168.92 483.82 155.90 123.95 1095.05 354.53 1016.44 322.22 40.76 138.36 47.88 157.71 54.73 13.79 43.16 19.70 50.51 23.54 1052.14 2685.84 1340.43 3301.90 1437.04
Hart State State	17.48 24.07 19.13 - 1.92 5.47 0 3.71 10 2.70 6.27 5.71 2.43 12.43 14.68 20.61 15.08 17.96 59.50 61.92 64.18 61.42 61.49 39.29 40.81 41.32 44.69 39 - 3.54	9079.18 3050.23 - 493.85 168.92 483.82 155.90 123.95 1095.05 354.53 1016.44 322.22 40.76 138.36 47.88 157.71 54.73 13.79 43.16 19.70 50.51 23.54 1052.14 2685.84 1340.43 3301.90 1437.04 - 1894.71
S+1 224.77 20.9 83.1 15.87 63.03 4+0 204.9 21.27 80.13 17.2 60.89	17.48 24.07 19.13 - 1.92 5.47 0 3.71 10 2.70 6.27 5.71 2.43 14.68 20.61 15.08 17.96 59.50 61.92 64.18 61.42 61.49 39.29 40.81 41.32 44.69 39 - 3.54 4.83	9079.18 3050.23 - 493.85 168.92 483.82 155.90 123.95 1095.05 354.53 1016.44 322.22 40.76 138.36 47.88 157.71 54.73 13.79 43.16 19.70 50.51 23.54 1052.14 2685.84 1340.43 3301.90 1437.04 - 1894.71 617.55
Hart State State	17.48 24.07 19.13 - 1.92 5.47 0 3.71 10 2.70 6.27 5.71 2.43 12.43 14.68 20.61 15.08 17.96 59.50 61.92 64.18 61.42 61.49 39.29 40.81 41.32 44.69 39 - 3.54 4.83 2.28	9079.18 3050.23 - 493.85 168.92 483.82 155.90 123.95 1095.05 354.53 1016.44 322.22 40.76 138.36 47.88 157.71 54.73 13.79 43.16 19.70 50.51 23.54 1052.14 2685.84 1340.43 3301.90 1437.04 - 1894.71 617.55 2013.56
State	17.48 24.07 19.13 - 1.92 5.47 0 3.71 10 2.70 6.27 5.71 2.43 14.68 20.61 15.08 17.96 59.50 61.92 64.18 61.42 61.49 39.29 40.81 41.32 44.69 39 - 3.54 4.83 2.28 1.63	9079.18 3050.23 - 493.85 168.92 483.82 155.90 123.95 1095.05 354.53 1016.44 322.22 40.76 138.36 47.88 157.71 54.73 13.79 43.16 19.70 50.51 23.54 1052.14 2685.84 1340.43 3301.90 1437.04 - 1894.71 617.55 2013.56 592.20
Section Sect	17.48 24.07 19.13 - 1.92 5.47 0 3.71 10 2.70 6.27 5.71 2.43 14.68 20.61 15.08 17.96 59.50 61.92 64.18 61.42 61.49 39.29 40.81 41.32 44.69 39 - 3.54 4.83 2.28 1.63	9079.18 3050.23 - 493.85 168.92 483.82 155.90 123.95 1095.05 354.53 1016.44 322.22 40.76 138.36 47.88 157.71 54.73 13.79 43.16 19.70 50.51 23.54 1052.14 2685.84 1340.43 3301.90 1437.04 - 1894.71 617.55 2013.56 592.20 1874.35
Section Sect	17.48 24.07 19.13 - 1.92 5.47 0 3.71 10 2.70 6.27 5.71 2.43 14.68 20.61 15.08 17.96 59.50 61.92 64.18 61.42 61.49 39.29 40.81 41.32 44.69 39 - 3.54 4.83 2.28 1.63 23.14 27.15	9079.18 3050.23 - 493.85 168.92 483.82 155.90 123.95 1095.05 354.53 1016.44 322.22 40.76 138.36 47.88 157.71 54.73 13.79 43.16 19.70 50.51 23.54 1052.14 2685.84 1340.43 3301.90 1437.04 - 1894.71 617.55 2013.56 592.20 1874.35 4777.24
Section Sect	17.48 24.07 19.13 - 1.92 5.47 0 3.71 10 2.70 6.27 5.71 2.43 14.68 20.61 15.08 17.96 59.50 61.92 64.18 61.49 39.29 40.81 41.32 44.69 39 - 3.54 4.83 2.28 1.63 23.14 27.15 25.72	9079.18 3050.23 - 493.85 168.92 483.82 155.90 123.95 1095.05 354.53 1016.44 322.22 40.76 138.36 47.88 157.71 54.73 13.79 43.16 19.70 50.51 23.54 1052.14 2685.84 1340.43 3301.90 1437.04 - 1894.71 617.55 2013.56 592.20 1874.35 4777.24 2517.86
Section Sect	17.48 24.07 19.13 - 1.92 5.47 0 3.71 10 2.70 6.27 5.71 2.43 14.68 20.61 15.08 17.96 59.50 61.92 64.18 61.42 61.49 39.29 40.81 41.32 44.69 39 - 3.54 4.83 2.28 1.63 23.14 27.15	9079.18 3050.23 - 493.85 168.92 483.82 155.90 123.95 1095.05 354.53 1016.44 322.22 40.76 138.36 47.88 157.71 54.73 13.79 43.16 19.70 50.51 23.54 1052.14 2685.84 1340.43 3301.90 1437.04 - 1894.71 617.55 2013.56 592.20 1874.35 4777.24