Supplementary Material

 $\label{eq:table S-I} \textbf{Summary of the CEC 2017 Test Functions}$

	No.	Functions	Optimum		
	1	Shifted and Rotated Bent Cigar Function	100		
Unimodal Functions	2	Shifted and Rotated Sum of Different Power Function	200		
	3	Shifted and Rotated Zakharov Function	300		
	4	Shifted and Rotated Rosenbrock's Function	400		
	5	Shifted and Rotated Rastrigin's Function	500		
	6	Shifted and Rotated Expanded Scaffer's F6 Function	600		
Simple Multimodal Functions	7	Shifted and Rotated Lunacek Bi_Rastrigin Function	700		
	8	Shifted and Rotated Non-Continuous Rastrigin's Function	800		
	9	_			
	10	Shifted and Rotated Schwefel's Function	1000		
	11	Hybrid Function 1 (N=3)	1100		
	12	Hybrid Function 2 (N=3)	1200		
	13	3 Hybrid Function 3 (N=3)			
	14	Hybrid Function 4 (N=4)	1400		
Hybrid Functions	15	Hybrid Function 5 (N=4)	1500		
Hybrid Functions	16	Hybrid Function 6 (N=4)	1600		
	17	Hybrid Function 6 (N=5)	1700		
	18	Hybrid Function 6 (N=5)	1800		
	19	Hybrid Function 6 (N=5)	1900		
	20	Hybrid Function 6 (N=6)	2000		
	21	Composition Function 1 (N=3)	2100		
	22	Composition Function 2 (N=3)	2200		
	23	Composition Function 3 (N=4)	2300		
	24	Composition Function 4 (N=4)	2400		
Composition Functions	25	Composition Function 5 (N=5)	2500		
Composition Functions	26	Composition Function 6 (N=5)	2600		
	27	Composition Function 7 (N=6)	2700		
	28	Composition Function 8 (N=6)	2800		
	29	Composition Function 9 (N=3)	2900		
	30	Composition Function 10 (N=3)	3000		
		Search Range: $[-100, 100]^D$			

TABLE S-II: ABLATION EXPERIMENTAL RESULTS ON CEC 2017 IN 10-D CASE

Median 4338-62 1.689-602 1.888-600 2.988-601 1.988-601 1.288-601	Func	D=10	LoTFWA	PC-FWAv	PC-FWAs	PC-FWA	Func	D=10	LoTFWA	PC-FWAv	PC-FWAs	PC-FWA
Sect 1,225-02 1,346-02 3,706-01 1,756-02 Sect 2,006-00 1,006-00 3,006-	-	Mean	4.33E+02	1.69E+02	1.85E+02	7.14E+01		Mean	1.48E+01	1.16E+01	3.34E+01	2.77E+01
Sed. 5,986-02 2,2356-03 1,255-02 3,755-02 3,755-02 3,755-02 3,755-02 3,755-03 3		Median	1.72E+02	5.74E+01	5.84E+01	2.04E+01		Median	1.20E+01	7.99E+00	7.85E+00	8.94E+00
Time	1	Best	1.22E-02	1.34E-02	3.70E-01	1.57E-02	16	Best	2.30E+00		1.41E+00	
Time												
Median 3.586-01 4.235-01 7.766-02 3.815-01 Median 3.256-01 3.067-01 3.				9.41E-02								
Median 3.586-01 4.235-01 7.766-02 3.815-01 Median 3.256-01 3.067-01 3.		Mean	2.55E+01	5.25E+01	1.56E+01	3.82E+01		Mean	3.33E+01	3.28E+01	3.00E+01	3.15E+01
Sect 1.30E-04 991E-04 3.07E-05 2.37E-06 2.3				4.23E+01						3.16E+01		
Sul. 3,446-01 3,728-01 2,798-01 3,248-01 Time 1,348-01 1,498-01 1,288-01 1,428-	2						17					
Time		Std.						Std.			1.05E+01	
Mean												
Median 1808-06 1.368-16 7.588-07 5.408-07 Median 1.208-03 9.888-02 7.258-02 7.258-02 3.888-03 3.888-03 4.498-16 4.4												
Sect 5,355-68 6,655-68 9,965-08 2,706-08 18 Best 1,278-02 1,128-02 2,766-01 Sect 1,278-02 7,768-02 1,288-03 Sect 1,278-03 7,688-03 5,288-03 Sect 1,278-03 7,288-03 5,288-03 Sect 1,278-03 5,288-03 Sect 1,278-03 5,288-03 Sect 1,278-03 Sect 1,288-03 Sect												
Sud	3						18					
Mean 1.091-00 2.945-00 1.085-00 2.945-00 1.085-00 2.945-00 1.085-00 1.025-00 2.945-00 Mean 1.315-02 1.215-01 1.585-02 1.385-03 1.385-							10					
Mean												
Median 1781-00 3.066-400 1.062-600 2.7916-00 Median 9.538-601 7.888-601 1.066-601 7.068-601												
Sect												
Sign	4						19					
Time												
Mean 3,958-60 8,006-60 4,858-60 Mean 3,648-61 3,648-61 3,608-61 3,408-61 5 Mean 4,978-60 Mean 5,408-61 2,958-61 3,408-61 5 Mean 5,408-61 3,408-61 3,408-61 5 Mean 5,408-61 3,408-61 5,408-61 3,408-61 5,408-61												
Median S97E+00 298E+00 298E+00 397E+01 399E+01 208E+00 5 8 st												
5 Best 3.98E+00 2.98E+00 2.99E+01 2.08E+00 2.08E+00												
Sid. 3.07E+00 2.45E+00 2.08E+00 2.08E+00 Time 4.86E+01 1.06E+01 1.06E+	5						20					
Time												
Mean												
Median 1.83E-04 4.70E-05 1.15E-04 2.84E-05 7.75E-06 21 Best 5.65E-05 1.00E+02 1												
Section Sect												
Sid. 3.68E-03 7.63E-04 1.16E-01 1.81E-01 1.69E-01 1.81E-01 1.40E+01 1.30E+01 1.40E+01 1.30E+01 1.40E+01 1.30E+01	6						21					
Time					l					1		
Mean 198E+01 1.78E+01 1.46E+01 1.26E+01 1.27E+01 2.28E+01 1.27E+01 1.26E+01 1.27E+01 2.28E+01 1.27E+01 1.28E+01 1.27E+01 2.28E+01 2.28E+01 1.28E+01 1.28E+01 2.28E+01 2.2												
Median 2.02E+01 1.75E+01 1.46E+01 1.27E+01 Std. 4.05E+00 2.2 Std. 3.06E+01 1.4E+01 1.00E+02 Std. 3.06E+01 1.4E+01 2.25E+01 1.4E+01 4.5E+01 Time 9.92E+02 1.14E+01 9.29E+02 1.08E+01 Time 9.92E+02 1.14E+01 9.29E+02 1.08E+01 Time 9.92E+02 1.14E+01 9.29E+02 1.08E+01 Time 2.88E+01 3.10E+01 2.72E+01 2.34E+01 2.24E+01 2.24												
Sid. 4,980 1,980												
Sid. 4.70E+00 2.90E+00 2.97E+00 1.98E+00 Time 9.28E-01 3.10E-01 2.72E-01 2.84E-01	7				4.65E+00		22	Best				
Time												
Median 1,00E+01 6,97E+00 3,99E+00 3,99E+01 3,99E+01 23 Best 3,88E+00 2,98E+00 9,98E-01 9,98E-01 5,98E-01 8,48E+01 3,63E+00 2,83E+00 2,83E+00 1,98E+00		Time	9.92E-02	1.14E-01	9.29E-02			Time	2.88E-01	3.10E-01	2.72E-01	2.84E-01
Sest 3,98E+00 2,98E+00 2,1E+00 1,189E+00 5td. 5,96E+01 3,30E+01 3,00E+02 3,30E+02 3,00E+02 3,00E+00 1,189E+00 5td. 5,96E+01 3,34E+01 3,01E+01 3,19E+01 3,19E+01 3,00E+00 4,00E+00 4,00E+00		Mean	1.06E+01	7.10E+00	4.55E+00	3.67E+00		Mean	3.00E+02	2.87E+02	3.08E+02	3.06E+02
Std. 3.39E+00 2.08E+00 2.11E+00 1.89E+00 Time 1.2E-02 1.07E-01 3.36E-01 3.36E-0		Median	1.00E+01	6.97E+00	3.99E+00	3.00E+00		Median	3.11E+02	3.10E+02	3.08E+02	3.06E+02
Time	8	Best	3.98E+00	2.98E+00	9.95E-01	9.95E-01	23	Best	5.04E-02	1.53E-02	3.00E+02	3.00E+02
Median 7.21E-08 0.00E+00 3.48E-08 0.00E+00 Median 1.00E+02 1.		Std.	3.39E+00	2.08E+00	2.11E+00	1.89E+00		Std.	5.96E+01	8.44E+01	3.63E+00	2.83E+00
Median		Time	9.12E-02	1.07E-01	8.39E-02	9.82E-02		Time	3.16E-01	3.34E-01	3.01E-01	3.19E-01
Std. 9,41E-08 0,00E+00 0,00E+00 0,00E+00 0,00E+00 5td. 9,46E-04 3,31E-04 1,00E+02 2,54E-03 5td. 9,44E-08 0,00E+00 7,09E-08 0,00E+00 5td. 3,25E+01 2,86E+01 1,09E+02 1,10E+02 1,00E+02 1,0		Mean		0.00E+00	3.48E-08	0.00E+00		Mean	8.86E+01	9.27E+01	1.73E+02	1.70E+02
Std		Median	4.30E-08	0.00E+00	1.93E-08	0.00E+00		Median	1.00E+02	1.00E+02	1.00E+02	1.00E+02
Time	9	Best				0.00E+00	24	Best				
Mean 4.37E+02 4.06E+02 4.2E+02 4.18E+02 Median 3.98E+02 4.05E+02 4.02E+02 3.98E+02 3.98E		Std.		0.00E+00	7.09E-08	0.00E+00						1.10E+02
Median 4.27E+02 4.58E+02 3.79E+02 3.79E+02 2.5 Best 3.98E+02 Std. 1.70E+02 1.71E+02 Std. 4.03E-01 1.58E+01 1.37E+01 2.13E+01 1.38E-01 1.55E-01 1.30E-01 1.45E-01 Time 2.88E-01 3.05E-01 2.73E-01 2.89E-01 2.89E-01 3.00E+02 2.74E-02 2.94E+02 2.78E+02 2.94E+02 2.78E+02 2.94E+02 2.78E+02 2.94E+02 3.00E+02												
Best 3.87E+00 2.50E-01 3.51E+01 1.22E+02 25 Best 3.98E+02 3.98E+02 3.98E+02 3.98E+02 2.18E+01 Time 1.36E-01 1.55E-01 1.30E-01 1.45E-01 Time 2.88E-01 3.05E-01 2.73E-01 2.89E-01												
Std. 1.70E+02 1.66E+02 1.71E+02 1.71E+02 1.71E+02 1.38E+01 1.38E+01 1.37E+01 2.13E+01 1.38E+01 1.38E+01 1.55E+01 1.30E+01 1.45E+01 1.15E+01 1.45E+01 1.51E+01 1.15E+01 1.45E+01 1.51E+01 1.												
Time	10						25					
Mean												
Median 1.30E+01 1.39E+01 9.81E+00 8.50E+00 Median 3.00E+02 3.00E+02 3.00E+02 3.00E+02 3.00E+02 3.00E+03 5.44E+00 2.67E-03 6.54E-03 5.44E+04 2.06E+04 4.70E+04 2.28E+04 2.06E+04 4.00E+04 Median 3.94E+02 3.94E+02 3.93E+02 3.93												
Best 5.06E+00 4.88E+00 1.81E+00 1.37E+00 26 Best 4.41E-03 5.44E+00 2.67E-03 6.54E-03 Time 5.44E+02 9.78E-02 7.81E-02 9.27E-02 Time 3.68E-01 3.82E-01 3.45E-01 3.45E-01 3.61E-01												
Std. 5.93E+00 6.83E+00 6.23E+00 4.77E+00 Std. 1.04E+02 4.12E+01 7.30E+01 4.20E+01 Time 8.24E-02 9.78E-02 7.81E-02 9.27E-02 Time 3.68E-01 3.82E-01 3.45E-01 3.45E-01 3.45E-01 Mean 5.44E+04 2.85E+04 2.06E+04 4.00E+04 Mean 3.94E+02 3.94E+02 3.93E+02 3.92E+02 Median 2.66E+04 1.70E+04 1.23E+04 1.65E+04 Median 3.94E+02 3.94E+02 3.93E+02 3.93E+02 12												
Time	11						26					
Mean												
Median 2.66E+04 1.70E+04 1.23E+04 1.65E+04 27 Median 3.94E+02 3.94E+02 3.93E+02 3.93E+02 3.93E+02 3.89E+02 3.99E+01 4.66E+01 4.88E+01 3.99E+02 3.00E+02 3.00E+03 3.00E+02 3.00E+02 3.00E+02 3.00E+02 3.00E+02 3.00E+03 3.00E+02 3.00E+03												
12												
Std. 6.73E+04 3.78E+04 3.43E+04 6.75E+04 Std. 1.94E+00 1.97E+00 2.02E+00 1.92E+00 Time												
Time	12						27					
Mean 1.27E+03 1.96E+03 2.38E+03 2.49E+03 Mean 2.66E+02 2.88E+02 3.00E+02 3.00E+												
Median 8.68E+02 1.53E+03 1.11E+03 1.85E+03 Median 3.00E+02 3.												
13 Best 1.97E+02 3.09E+02 3.19E+02 2.80E+02 28 Best 1.08E-02 6.77E-03 3.00E+02 1.50E-03 Std. 9.61E+02 1.28E+03 2.39E+03 1.91E+03 Std. 9.35E+01 5.88E+01 6.65E-02 7.13E+01 Time 9.58E-02 1.11E-01 9.18E-02 1.07E-01 Time 3.60E-01 3.80E-01 3.40E-01 3.40E-01 3.56E-01 Mean 9.28E+01 7.84E+01 8.14E+01 9.66E+01 Mean 2.56E+02 2.54E+02 2.54E+02 2.55E+02 Median 9.21E+01 7.90E+01 7.16E+01 6.61E+01 Median 2.54E+02 2.55E+02 2.53E+02 2.55E+02 Std. 3.19E+01 2.38E+01 3.41E+01 9.75E+01 Std. 1.27E+01 7.43E+00 1.29E+01 1.13E+01 Time 1.01E-01 1.22E-01 9.64E-02 1.11E-01 Time 2.91E-01 3.11E-01 2.79E-01 2.93E-01 Mean 7.35E+02 6.22E+02 4.93E+02 4.79E+02 Median 8.65E+03 9.19E+03 4.19E+03 5.02E+03 Median 5.40E+02 5.51E+02 4.93E+02 4.79E+02 Std. 4.51E+03 3.37E+03 3.33E+03 4.73E+03 3.33E+03 Std. 4.51E+02 3.87E+02 4.95E+02 4.55E+02 Std. 6.48E+03 6.97E+03 4.73E+03 3.33E+03 Std. 4.51E+02 3.87E+02 4.95E+02 4.55E+02 Std. 6.48E+03 6.97E+03 4.73E+03 3.33E+03 Std. 4.51E+02 3.87E+03 4.95E+02 4.55E+02 Std. 6.48E+03 6.97E+03 4.73E+03 3.33E+03 Std. 4.51E+02 3.87E+02 4.95E+02 4.55E+02 Std. 6.48E+03 6.97E+03 4.73E+03 3.33E+03 Std. 4.51E+02 3.87E+02 4.95E+02 Std. 6.48E+03 6.97E+03 4.73E+03 3.33E+03 Std. 4.51E+02 3.87E+02 4.95E+02 4.55E+02 Std. 6.48E+03 6.97E+03 4.73E+03 3.33E+03 Std. 4.51E+02 3.87E+02 4.95E+02 Std. 6.48E+03 6.97E+03 4.73E+03 3.33E+03 Std. 4.51E+02 3.87E+02 4.95E+02 Std. 6.48E+03 6.97E+03 4.73E+03 3.33E+03 Std. 4.51E+02 3.87E+02 4.95E+02 Std. 6.48E+03 6.97E+03 4.73E+03 3.33E+03 Std. 4.51E+02 3.87E+02 4.95E+02 Std. 6.48E+03 6.97E+03 4.73E+03 3.33E+03 Std. 4.51E+02 3.87E+02 4.95E+02 Std. 6.48E+03 6.97E+03 4.73E+03 3.3												
Std. 9.61E+02 1.28E+03 2.39E+03 1.91E+03 Std. 9.35E+01 5.88E+01 6.65E-02 7.13E+01 Time 9.58E-02 1.11E-01 9.18E-02 1.07E-01 Time 3.60E-01 3.80E-01 3.40E-01 3.56E-01 Mean 9.28E+01 7.84E+01 8.14E+01 9.66E+01 Mean 2.56E+02 2.54E+02 2.54E+02 2.55E+02 Median 9.21E+01 7.90E+01 7.10E+01 6.61E+01 Median 2.54E+02 2.55E+02 2.55E+02 14 Best 3.40E+01 2.87E+01 3.41E+01 3.71E+01 29 Best 2.39E+02 2.37E+02 2.33E+02 2.35E+02 Std. 3.19E+01 2.28E+01 6.14E+01 9.75E+01 Std. 1.27E+01 7.43E+00 1.29E+01 1.13E+01 Time 1.01E-01 1.22E-01 9.64E-02 1.11E-01 Time 2.91E-01 3.11E-01 2.79E-01 2.93E-01 Mean 7.35E+02 6.22E+02 6.16E+02 5.92E+02 Median 8.65E+03 9.19E+03 4.19E+03 5.02E+03 Median 5.40E+02 5.51E+02 4.93E+02 4.79E+02 Median 8.65E+03 9.19E+03 4.19E+03 5.02E+03 Std. 4.51E+02 3.87E+02 4.95E+02 4.55E+02 Std. 6.48E+03 6.97E+03 4.73E+03 3.33E+03 Std. 4.51E+02 3.87E+02 4.95E+02 4.55E+02 Std. 6.48E+03 6.97E+03 4.73E+03 3.33E+03 Std. 4.51E+02 3.87E+02 4.95E+02 4.55E+02 Std. 6.48E+03 6.97E+03 4.73E+03 3.33E+03 Std. 4.51E+02 3.87E+02 4.95E+02 4.55E+02 Std. 6.48E+03 6.97E+03 4.73E+03 3.33E+03 Std. 4.51E+02 3.87E+02 4.95E+02 4.55E+02 Std. 6.48E+03 6.97E+03 4.73E+03 3.33E+03 Std. 4.51E+02 3.87E+02 4.95E+02 4.55E+02 Std. 6.48E+03 6.97E+03 4.73E+03 3.33E+03 Std. 4.51E+02 3.87E+02 4.95E+02 4.55E+02 Std. 6.48E+03 6.97E+03 4.73E+03 3.33E+03 Std. 4.51E+02 3.87E+02 4.95E+02 4.55E+02 Std. 6.48E+03 6.97E+03 4.73E+03 3.33E+03 Std. 4.51E+02 3.87E+02 4.95E+02 4.55E+02 Std. 6.48E+03 6.97E+03 4.73E+03 3.33E+03 Std. 4.51E+02 3.87E+02 4.95E+02 Std. 6.48E+03 6.97E+03 4.73E+03 3.33E+03 Std. 4.51E+02 4.95E+02 4.55E+02 Std. 6.48E+03 6.97E+03 4	12						20					
Time 9.58E-02 1.11E-01 9.18E-02 1.07E-01 Time 3.60E-01 3.80E-01 3.40E-01 3.56E-01 Mean 9.28E+01 7.58E+01 8.14E+01 9.66E+01 Median 2.56E+02 2.54E+02 2.54E+02 2.55E+02 Median 9.21E+01 7.90E+01 7.16E+01 6.61E+01 Median 2.56E+02 2.55E+02 2.53E+02 2.55E+02 14 Best 3.40E+01 2.87E+01 3.41E+01 3.71E+01 29 Best 2.39E+02 2.37E+02 2.33E+02 2.32E+02 Std. 3.19E+01 2.38E+01 6.14E+01 9.75E+01 Std. 1.27E+01 7.43E+00 1.29E+01 1.13E+01 Time 1.01E-01 1.22E-01 9.64E-02 1.11E-01 Time 2.91E-01 3.11E-01 2.79E-01 2.93E-01 Mean 7.35E+02 6.22E+02 6.16E+02 5.92E+02 Median 1.02E+04 1.02E+04 5.82E+03 5.38E+03 Median 5.40E+02 5.51E+02 4.93E+02 4.79E+02 Median 8.65E+03 9.19E+03 4.19E+03 5.02E+03 Std. 4.51E+02 3.87E+02 4.95E+02 4.55E+02 Std. 6.48E+03 6.97E+03 4.73E+03 3.33E+03 3.36E-01 3.40E-01 3.40E-01 3.40E-01 3.66E-01 3.66E-01	13						28					
Mean 9.28E+01 7.84E+01 8.14E+01 9.66E+01 Mean 2.56E+02 2.54E+02 2.54E+02 2.55E+02 Median 9.21E+01 7.90E+01 7.16E+01 6.61E+01 Median 2.54E+02 2.55E+02 2.53E+02 2.53E+02 14												
Median 9.21E+01 7.90E+01 7.16E+01 6.61E+01 Median 2.54E+02 2.55E+02 2.53E+02 2.55E+02 2.55E+02 Median 9.21E+01 7.90E+01 7.16E+01 3.71E+01 2.9 Best 2.39E+02 2.37E+02 2.33E+02 2.32E+02 Std. 3.19E+01 2.38E+01 6.14E+01 9.75E+01 Std. 1.27E+01 7.43E+00 1.29E+01 1.13E+01 Time 1.01E-01 1.22E-01 9.64E-02 1.11E-01 Time 2.91E-01 3.11E-01 2.79E-01 2.93E-01 Mean 7.35E+02 6.22E+02 6.16E+02 5.92E+02 Mean 1.02E+04 1.02E+04 5.82E+03 5.38E+03 Median 5.40E+02 5.51E+02 4.93E+02 4.79E+02 Median 8.65E+03 9.19E+03 4.19E+03 5.02E+03 Std. 4.51E+02 3.87E+02 4.95E+02 4.55E+02 Std. 6.48E+03 6.97E+03 4.73E+03 3.33E+03 3.33E+03 3.33E+03 3.33E+03 4.73E+03 3.33E+03 Median 2.54E+02 2.55E+02 2.5E+02 2.55E+02 2.55E+02 2.55E+02 2.55E+02 2.55E+02 2.5												
14 Best Std. 3.40E+01 2.87E+01 3.41E+01 3.71E+01 29 Best Std. 2.39E+02 2.37E+02 2.33E+02 2.32E+02 1.13E+01 1.12E-01 1.12E-01 1.12E-01 1.12E-01 1.12E-01 2.91E-01 3.11E-01 2.79E-01 2.93E-01 2.93E-01 2.93E-01 2.93E-01 3.23E-01 2.93E-01 3.23E-01 3.23E												
Std. 3.19E+01 2.38E+01 6.14E+01 9.75E+01 Std. 1.27E+01 7.43E+00 1.29E+01 1.13E+01 Time 1.01E-01 1.22E-01 9.64E-02 1.11E-01 Time 2.91E-01 3.11E-01 2.79E-01 2.93E-01 Mean 7.35E+02 6.22E+02 6.16E+02 5.92E+02 Mean 1.02E+04 1.02E+04 5.82E+03 5.38E+03 Median 5.40E+02 5.51E+02 4.93E+02 4.99E+02 Median 8.65E+03 9.19E+03 4.19E+03 5.02E+03 Std. 4.51E+02 3.87E+02 4.95E+02 Std. 6.48E+03 6.97E+03 4.73E+03 3.33E+03 Std. 4.51E+02 3.87E+02 4.95E+02 Std. 6.48E+03 6.97E+03 4.73E+03 3.33E+03 Std. 4.51E+02 3.87E+02 4.95E+02 Std. 6.48E+03 6.97E+03 4.73E+03 3.33E+03 Std. 4.51E+02 3.87E+02 4.95E+02 Std. 6.48E+03 6.97E+03 4.73E+03 3.33E+03 Std. 4.51E+02 3.87E+02 4.95E+02 Std. 6.48E+03 6.97E+03 4.73E+03 3.33E+03 Std. 4.51E+02 3.87E+02 4.95E+02 Std. 6.48E+03 6.97E+03 4.73E+03 3.33E+03 Std. 4.51E+02 3.87E+02 4.95E+02 Std. 6.48E+03 6.97E+03 4.73E+03 3.33E+03 Std. 4.51E+02 3.87E+02 4.95E+02 Std. 6.48E+03 6.97E+03 4.73E+03 3.33E+03 Std. 4.51E+02 3.87E+02 4.95E+02 Std. 6.48E+03 6.97E+03 4.73E+03 3.33E+03 Std. 4.51E+02 3.87E+02 4.95E+02 Std. 6.48E+03 6.97E+03 4.73E+03 Std. 4.51E+02 3.87E+02 4.95E+02 Std. 6.48E+03 6.97E+03 4.73E+03 3.33E+03 Std. 4.51E+02 3.87E+02 4.95E+02 Std. 6.48E+03 6.97E+03 4.73E+03 3.33E+03 Std. 4.51E+02 3.87E+02 4.95E+02 Std. 6.48E+03 6.97E+03 4.73E+03 3.33E+03 Std. 4.51E+02 3.87E+02 3.87E+02 Std. 6.48E+03 6.97E+03 3.33E+03 Std. 4.51E+02 3.87E+02 3.87E+02 Std. 6.48E+03 6.97E+03 3.87E+02 Std. 6.48E+03 6.97E+03 3.87E+02 Std. 6.48E+03 6.97E+03 3.87E+02 Std. 6.48E+03 6	14						20					
Time 1.01E-01 1.22E-01 9.64E-02 1.11E-01 Time 2.91E-01 3.11E-01 2.79E-01 2.93E-01 Mean 7.35E+02 6.22E+02 6.16E+02 5.92E+02 Mean 1.02E+04 1.02E+04 5.82E+03 5.38E+03 Median 5.40E+02 5.51E+02 4.93E+02 4.79E+02 Median 8.65E+03 9.19E+03 4.19E+03 5.02E+03 Std. 4.51E+02 3.87E+02 4.95E+02 Std. 6.48E+03 6.97E+03 4.73E+03 3.33E+03 Std. 4.51E+02 3.87E+02 4.95E+02 Std. 6.48E+03 6.97E+03 4.73E+03 3.33E+03 Time 2.91E-01 3.11E-01 2.79E-01 2.93E-01 Mean 1.02E+04 1.02E+04 5.82E+03 5.38E+03 Std. 4.19E+03 1.03E+03 3.25E+02 Std. 6.48E+03 6.97E+03 4.73E+03 3.33E+03 Std. 4.51E+02 3.87E+02 4.95E+02 Std. 6.48E+03 6.97E+03 4.73E+03 Std. 4.51E+02 3.87E+02 4.95E+02 Std. 6.48E+03 6.97E+03 4.73E+03 Std. 4.51E+02 3.87E+02 4.95E+02 Std. 6.48E+03 6.97E+03 Std. 4.51E+02 3.87E+02 3.33E+03 Std. 4.51E+02 3.87E+02 3.33E+03 Std. 4.51E+02 3.87E+02 3.87E+02 3.87E+02 Std. 4.51E+03 3.87E+02 3.87E+02 3.87E+02 3.87E+02 Std. 4.51E+03 3.87E+02 3.87E+02 3.87E+02 3.87E+02 3.87E+02 Std. 4.51E+03 3.87E+02 3.8	1**						27					
Mean 7.35E+02 6.22E+02 6.16E+02 5.92E+02 Mean 1.02E+04 1.02E+04 5.82E+03 5.38E+03 Median 5.40E+02 5.51E+02 4.93E+02 4.79E+02 Median 8.65E+03 9.19E+03 4.19E+03 5.02E+03												
Median 5.40E+02 5.51E+02 4.93E+02 4.79E+02 Median 8.65E+03 9.19E+03 4.19E+03 5.02E+03 15 Best 7.07E+01 6.92E+01 3.31E+01 8.61E+01 30 Best 1.64E+03 1.04E+03 1.03E+03 9.25E+02 Std. 4.51E+02 3.87E+02 4.95E+02 4.55E+02 Std. 6.48E+03 6.97E+03 4.73E+03 3.33E+03												
15 Best 7.07E+01 6.92E+01 3.31E+01 8.61E+01 30 Best 1.64E+03 1.04E+03 1.03E+03 9.25E+02 Std. 4.51E+02 3.87E+02 4.95E+02 4.55E+02 Std. 6.48E+03 6.97E+03 4.73E+03 3.33E+03												
Std. 4.51E+02 3.87E+02 4.95E+02 4.55E+02 Std. 6.48E+03 6.97E+03 4.73E+03 3.33E+03	15						30					
						1		1	1			

TABLE S-III: ABLATION EXPERIMENTAL RESULTS ON CEC 2017 IN 30-D CASE

Func	D=30	LoTFWA	PC-FWAv	PC-FWAs	PC-FWA	Func	D=30	LoTFWA	PC-FWAv	PC-FWAs	PC-FWA
	Mean	1.65E+02	2.48E+02	3.35E+02	2.73E+02	1	Mean	5.84E+02	5.08E+02	6.23E+02	6.37E+02
	Median	3.59E+01	7.92E+01	1.00E+01	3.46E+01		Median	5.79E+02	5.03E+02	6.53E+02	6.40E+02
1	Best	1.89E-01	1.01E-01	5.34E-02	4.01E-03	16	Best	2.61E+02	1.94E+02	2.39E+02	3.10E+02
1	1		1	1		10					
	Std.	3.10E+02	3.91E+02	1.16E+03	6.96E+02		Std.	1.39E+02 6.75E-01	1.37E+02	1.89E+02	1.42E+02 9.46E-01
	Time	4.10E-01	4.51E-01	3.97E-01	6.59E-01		Time		7.10E-01	6.11E-01	
	Mean	2.11E+04	5.84E+05	3.05E+04	1.80E+04		Mean	1.25E+02	1.05E+02	1.87E+02	1.62E+02
	Median	2.94E+03	1.61E+04	1.30E+03	3.11E+03		Median	1.23E+02	1.03E+02	1.84E+02	1.70E+02
2	Best	4.98E-04	2.87E+00	4.94E-04	9.95E-01	17	Best	5.57E+01	5.75E+01	6.89E+01	3.81E+01
	Std.	6.98E+04	2.12E+06	1.41E+05	3.75E+04		Std.	3.86E+01	3.47E+01	9.08E+01	9.49E+01
	Time	4.02E-01	4.48E-01	3.94E-01	6.41E-01		Time	9.24E-01	9.44E-01	8.45E-01	1.27E+00
	Mean	6.15E-04	1.38E-03	6.65E-05	1.29E-04		Mean	5.24E+04	4.12E+04	5.15E+04	4.02E+04
	Median	2.45E-04	9.11E-04	4.95E-05	8.28E-05		Median	5.54E+04	4.17E+04	4.59E+04	3.75E+04
3	Best	8.16E-06	6.95E-05	5.52E-06	9.20E-06	18	Best	1.28E+04	7.94E+03	1.49E+04	1.27E+04
	Std.	7.69E-04	1.41E-03	5.66E-05	1.53E-04		Std.	2.11E+04	1.36E+04	2.55E+04	1.69E+04
	Time	3.91E-01	4.31E-01	3.75E-01	6.06E-01		Time	5.40E-01	5.74E-01	5.02E-01	8.21E-01
	Mean	5.82E+01	6.77E+01	6.60E+01	7.34E+01		Mean	8.30E+04	5.39E+04	2.72E+04	4.65E+04
	Median	6.89E+01	7.01E+01	8.53E+01	7.01E+01		Median	6.22E+04	4.93E+04	1.31E+04	3.38E+04
4	Best	3.68E-01	3.99E+00	9.47E-05	3.67E-02	19	Best	1.37E+03	1.84E+03	2.61E+02	2.70E+02
	Std.	3.21E+01	2.03E+01	3.38E+01	2.56E+01		Std.	7.45E+04	4.26E+04	3.20E+04	4.05E+04
	Time	4.06E-01	4.58E-01	3.99E-01	6.35E-01		Time	2.94E+00	2.93E+00	2.77E+00	4.13E+00
	Mean	6.96E+01	4.12E+01	4.12E+01	2.62E+01		Mean	2.44E+02	2.16E+02	2.77E+02	2.93E+02
	Median	6.77E+01	4.38E+01	3.98E+01	2.69E+01		Median	2.44E+02	2.20E+02	2.87E+02	2.93E+02 2.93E+02
5	Best					20	Best	1			
5	1	4.68E+01	1.86E+01	1.99E+01	1.59E+01	20		1.10E+02	9.38E+01	8.73E+01 9.73E+01	9.57E+01
	Std.	1.21E+01	8.87E+00	1.07E+01	6.51E+00		Std.	6.33E+01	5.53E+01		9.97E+01
	Time	5.25E-01	5.66E-01	4.50E-01	7.12E-01		Time	1.06E+00	1.08E+00	9.88E-01	1.45E+00
	Mean	7.92E-01	3.25E-03	4.39E+00	1.34E-02		Mean	2.68E+02	2.46E+02	2.35E+02	2.28E+02
	Median	8.91E-02	7.62E-04	1.71E+00	1.41E-03		Median	2.72E+02	2.45E+02	2.38E+02	2.26E+02
6	Best	1.16E-04	9.06E-06	2.57E-04	1.99E-05	21	Best	1.00E+02	2.33E+02	1.00E+02	2.15E+02
	Std.	1.62E+00	5.87E-03	5.51E+00	3.57E-02		Std.	2.58E+01	7.59E+00	2.13E+01	7.30E+00
	Time	1.30E+00	1.34E+00	1.22E+00	1.78E+00		Time	1.70E+00	1.69E+00	1.55E+00	2.14E+00
	Mean	7.19E+01	6.53E+01	4.99E+01	4.76E+01		Mean	1.00E+02	1.00E+02	1.62E+02	1.00E+02
	Median	7.18E+01	6.58E+01	4.86E+01	4.70E+01		Median	1.00E+02	1.00E+02	1.00E+02	1.00E+02
7	Best	5.63E+01	4.39E+01	3.95E+01	3.82E+01	22	Best	1.00E+02	1.00E+02	1.00E+02	1.00E+02
	Std.	8.84E+00	8.24E+00	5.65E+00	4.86E+00		Std.	0.00E+00	0.00E+00	4.42E+02	0.00E+00
	Time	5.64E-01	6.05E-01	4.90E-01	7.74E-01		Time	2.25E+00	2.27E+00	2.01E+00	2.89E+00
	Mean	6.50E+01	3.98E+01	3.38E+01	2.73E+01		Mean	4.37E+02	4.07E+02	3.97E+02	3.90E+02
	Median	6.47E+01	3.88E+01	3.28E+01	2.79E+01		Median	4.40E+02	4.12E+02	4.04E+02	3.90E+02
8	Best	3.98E+01	2.39E+01	1.59E+01	1.29E+01	23	Best	4.03E+02	1.00E+02	1.00E+02	3.63E+02
-	Std.	1.00E+01	6.67E+00	9.01E+00	8.04E+00		Std.	1.75E+01	4.54E+01	4.58E+01	1.40E+01
	Time	5.60E-01	5.98E-01	4.75E-01	7.56E-01		Time	2.63E+00	2.63E+00	2.40E+00	3.50E+00
	Mean	3.36E+00	0.00E+00	1.75E+02	0.00E+00		Mean	4.96E+02	4.66E+02	4.62E+02	4.46E+02
	Median	0.00E+00	0.00E+00	0.00E+00	0.00E+00		Median	4.99E+02	4.65E+02	4.58E+02	4.46E+02
9	Best	0.00E+00	0.00E+00	0.00E+00	0.00E+00	24	Best	4.51E+02	4.39E+02	4.39E+02	4.48E+02
,	I			I		24					
	Std.	2.36E+01	0.00E+00	3.21E+02	0.00E+00		Std.	1.52E+01	1.34E+01	1.83E+01	9.47E+00
	Time	5.43E-01	5.68E-01	4.76E-01	7.65E-01		Time	2.41E+00	2.43E+00	2.26E+00	3.24E+00
	Mean	2.46E+03	2.38E+03	2.51E+03	2.21E+03		Mean	3.87E+02	3.87E+02	3.86E+02	3.87E+02
4.0	Median	2.49E+03	2.43E+03	2.51E+03	2.20E+03		Median	3.87E+02	3.87E+02	3.87E+02	3.87E+02
10	Best	1.68E+03	1.54E+03	1.30E+03	1.43E+03	25	Best	3.83E+02	3.83E+02	3.83E+02	3.83E+02
	Std.	3.49E+02	3.10E+02	4.47E+02	4.47E+02		Std.	8.26E-01	8.01E-01	1.22E+00	4.72E-01
	Time	9.95E-01	1.04E+00	8.93E-01	1.31E+00		Time	2.36E+00	2.38E+00	2.18E+00	3.17E+00
	Mean	9.45E+01	8.74E+01	6.79E+01	6.71E+01		Mean	7.17E+02	7.34E+02	1.26E+03	1.16E+03
	Median	9.16E+01	8.85E+01	6.44E+01	6.23E+01		Median	3.00E+02	2.10E+02	1.45E+03	1.29E+03
11	Best	4.22E+01	4.51E+01	2.84E+01	2.97E+01	26	Best	2.00E+02	2.00E+02	2.00E+02	2.00E+02
	Std.	3.07E+01	2.42E+01	2.47E+01	2.40E+01		Std.	7.30E+02	6.60E+02	5.43E+02	4.63E+02
	Time	4.65E-01	5.02E-01	4.26E-01	6.67E-01		Time	3.27E+00	3.28E+00	2.93E+00	4.23E+00
	Mean	4.11E+05	3.92E+05	3.20E+05	3.42E+05		Mean	5.34E+02	5.23E+02	5.18E+02	5.12E+02
	Median	3.21E+05	3.93E+05	2.94E+05	3.24E+05		Median	5.34E+02	5.22E+02	5.16E+02	5.13E+02
12	Best	3.86E+04	2.18E+04	1.40E+04	3.69E+04	27	Best	5.00E+02	5.00E+02	4.91E+02	4.86E+02
	Std.	3.33E+05	2.42E+05	2.52E+05	2.07E+05		Std.	1.17E+01	9.90E+00	1.04E+01	1.09E+01
	Time	6.59E-01	6.85E-01	6.16E-01	9.36E-01	1	Time	3.65E+00	3.62E+00	3.38E+00	4.73E+00
	Mean	2.09E+04	1.65E+04	1.89E+04	1.51E+04		Mean	3.27E+02	3.21E+02	3.08E+02	3.03E+02
	Median	1.98E+04	1.72E+04	1.77E+04	1.46E+04		Median	3.00E+02	3.00E+02	3.00E+02	3.00E+02
13	Best	6.63E+03	6.44E+03	5.86E+03	9.12E+03	28	Best	3.00E+02 3.00E+02	3.00E+02 3.00E+02	3.00E+02 3.00E+02	3.00E+02 3.00E+02
1.3	Std.			1		20		1	1	1	
		7.64E+03	4.44E+03 5.39E-01	7.92E+03	3.67E+03		Std.	4.14E+01	3.82E+01	2.72E+01	1.51E+01
	Time	5.05E-01		4.71E-01	7.52E-01		Time	3.07E+00	3.04E+00	2.83E+00	3.38E+00
	Mean	8.02E+02	4.84E+02	4.94E+02	4.28E+02		Mean	7.26E+02	6.80E+02	6.89E+02	6.33E+02
1.7	Median	6.80E+02	3.81E+02	2.99E+02	2.74E+02	20	Median	7.30E+02	6.75E+02	6.68E+02	6.16E+02
14	Best	2.13E+02	1.60E+02	1.63E+02	1.52E+02	29	Best	5.82E+02	5.28E+02	4.31E+02	4.82E+02
	Std.	5.10E+02	2.66E+02	4.67E+02	3.47E+02		Std.	8.27E+01	6.67E+01	1.31E+02	8.35E+01
	Time	6.89E-01	7.12E-01	6.38E-01	9.61E-01		Time	2.23E+00	2.22E+00	2.06E+00	2.14E+00
	Mean	1.35E+04	7.45E+03	1.15E+04	8.16E+03		Mean	3.75E+05	2.95E+05	3.61E+05	3.06E+05
	Median	1.27E+04	7.50E+03	9.43E+03	8.01E+03		Median	3.35E+05	2.84E+05	2.56E+05	3.03E+05
	1	3.03E+03	1.93E+03	1.55E+03	2.32E+03	30	Best	8.48E+04	5.62E+04	4.59E+04	6.18E+04
15	Best				1	1			1	1	1
15	Std.			8.20E+03	3.32E+03		Std.	1.95E+05	1.52E+05	2.80E+05	1.80E+05
15	1	4.74E+03 4.80E-01	2.84E+03 5.17E-01	8.20E+03 4.50E-01	3.32E+03 7.24E-01		Std. Time	1.95E+05 4.08E+00	1.52E+05 4.01E+00	2.80E+05 3.83E+00	1.80E+05 3.89E+00

TABLE S-IV: ABLATION EXPERIMENTAL RESULTS ON CEC 2017 IN 50-D CASE

Euro	D=50	LoTFWA	PC-FWAv	PC-FWAs	PC-FWA	Euro	D=50	LoTFWA	PC-FWAv	PC-FWAs	PC-FWA
Func						Func					
	Mean	1.00E+02	2.85E+02	3.73E+02	3.31E+02		Mean	9.67E+02	7.94E+02	1.02E+03	8.60E+02
	Median	1.91E+01	9.21E+01	2.01E+01	1.15E+01		Median	9.77E+02	7.81E+02	1.03E+03	8.71E+02
1	Best	2.47E-03	3.33E-01	7.03E-05	1.27E-02	16	Best	5.56E+02	3.32E+02	4.58E+02	3.91E+02
	Std.	2.20E+02	5.19E+02	7.50E+02	7.81E+02		Std.	1.82E+02	1.54E+02	2.65E+02	2.27E+02
	Time	1.26E+00	1.30E+00	1.21E+00	1.31E+00		Time	1.87E+00	1.97E+00	1.76E+00	2.47E+00
	Mean	4.28E+09	5.34E+11	9.01E+10	2.81E+09		Mean	7.90E+02	6.99E+02	8.54E+02	8.09E+02
	Median	6.10E+06	1.24E+08	8.09E+06	3.13E+07		Median	7.84E+02	7.09E+02	8.70E+02	8.38E+02
2	Best	3.53E+03	3.82E+05	3.55E+03	2.27E+03	17	Best	4.72E+02	4.47E+02	4.75E+02	3.95E+02
	Std.	1.91E+10	3.66E+12	6.37E+11	8.60E+09		Std.	1.24E+02	9.98E+01	2.08E+02	1.81E+02
	Time	1.27E+00	1.32E+00	1.22E+00	1.32E+00		Time	2.58E+00	2.71E+00	2.43E+00	3.39E+00
	Mean	2.76E-01	1.09E-01	5.41E-03	2.27E-03		Mean	1.41E+05	1.05E+05	8.80E+04	7.96E+04
	Median	1.37E-01	6.10E-02	3.11E-03	1.60E-03		Median	1.39E+05	1.03E+05	8.22E+04	7.75E+04
3	Best	3.46E-03	1.45E-02	6.32E-04	1.92E-04	18	Best	7.06E+04	3.28E+04	1.94E+04	3.70E+04
,	Std.	2.96E-01	1.45E-02 1.25E-01	5.34E-03	2.52E-03	10	Std.	4.77E+04	4.24E+04	3.90E+04	2.59E+04
	Time	1.23E+00	1.25E+00	1.15E+00	1.21E+00		Time	1.52E+00	1.62E+00	1.45E+00	2.08E+00
	Mean	9.71E+01	8.99E+01	8.32E+01	8.71E+01		Mean	8.83E+04	5.89E+04	8.81E+04	7.27E+04
	Median	9.95E+01	9.98E+01	9.65E+01	9.76E+01	10	Median	7.22E+04	4.95E+04	7.72E+04	6.48E+04
4	Best	2.91E+01	2.88E+01	3.10E-01	2.55E+01	19	Best	3.83E+03	9.51E+03	4.56E+03	1.26E+04
	Std.	3.44E+01	3.07E+01	4.49E+01	4.55E+01		Std.	7.27E+04	3.66E+04	5.96E+04	4.30E+04
	Time	1.28E+00	1.33E+00	1.22E+00	1.27E+00		Time	7.84E+00	7.91E+00	7.51E+00	1.03E+01
	Mean	1.46E+02	8.68E+01	8.49E+01	5.59E+01		Mean	5.92E+02	5.51E+02	7.65E+02	7.13E+02
	Median	1.47E+02	8.66E+01	8.66E+01	5.57E+01		Median	6.21E+02	5.85E+02	7.75E+02	6.76E+02
5	Best	1.13E+02	5.77E+01	4.88E+01	3.48E+01	20	Best	2.71E+02	2.45E+02	3.01E+02	2.89E+02
	Std.	1.53E+01	1.07E+01	1.76E+01	1.31E+01		Std.	1.32E+02	1.44E+02	2.01E+02	2.05E+02
	Time	1.57E+00	1.62E+00	1.34E+00	1.43E+00		Time	2.97E+00	3.10E+00	2.83E+00	3.91E+00
	Mean	1.11E+01	1.71E-02	1.74E+01	9.79E-02		Mean	3.57E+02	2.83E+02	2.89E+02	2.55E+02
	Median	1.26E+01	5.39E-03	1.77E+01	2.56E-02		Median	3.58E+02	2.83E+02	2.88E+02	2.54E+02
6	Best	2.09E-01	3.05E-04	1.73E-01	5.52E-04	21	Best	3.26E+02	2.60E+02	2.47E+02	2.40E+02
	Std.	7.28E+00	2.85E-02	7.30E+00	1.82E-01		Std.	1.73E+01	1.06E+01	1.78E+01	1.11E+01
	Time	3.76E+00	3.78E+00	3.44E+00	3.65E+00		Time	5.13E+00	5.25E+00	4.85E+00	7.07E+00
	Mean	1.36E+02	1.25E+02	8.88E+01	8.80E+01		Mean	4.07E+03	2.84E+03	4.56E+03	4.39E+03
	1	1.36E+02	1.23E+02 1.22E+02		8.78E+01		1	5.03E+03		4.73E+03	
7	Median		1	8.82E+01		22	Median		4.48E+03	1	4.54E+03
,	Best	1.03E+02	1.09E+02	7.19E+01	7.19E+01	22	Best	1.00E+02	1.00E+02	1.00E+02	1.00E+02
	Std.	1.45E+01	1.06E+01	8.06E+00	7.82E+00		Std.	2.12E+03	2.46E+03	1.16E+03	1.11E+03
	Time	1.65E+00	1.70E+00	1.44E+00	2.08E+00		Time	6.82E+00	7.05E+00	6.29E+00	8.89E+00
	Mean	1.48E+02	8.87E+01	8.51E+01	6.14E+01		Mean	6.56E+02	5.90E+02	5.70E+02	5.36E+02
	Median	1.47E+02	8.66E+01	8.26E+01	6.17E+01		Median	6.57E+02	5.92E+02	5.75E+02	5.37E+02
8	Best	8.59E+01	5.87E+01	4.97E+01	4.18E+01	23	Best	5.89E+02	5.14E+02	4.98E+02	4.43E+02
	Std.	2.24E+01	1.27E+01	1.84E+01	1.03E+01		Std.	3.37E+01	3.08E+01	3.35E+01	2.94E+01
	Time	1.66E+00	1.74E+00	1.42E+00	2.06E+00		Time	7.95E+00	8.17E+00	7.45E+00	1.02E+01
	Mean	3.25E+03	1.54E-01	3.19E+03	1.02E+00		Mean	7.25E+02	6.40E+02	6.30E+02	5.82E+02
	Median	3.40E+03	8.95E-02	3.13E+03	0.00E+00		Median	7.28E+02	6.40E+02	6.29E+02	5.79E+02
9	Best	8.95E-02	0.00E+00	7.76E+02	0.00E+00	24	Best	6.14E+02	5.59E+02	5.61E+02	5.49E+02
	Std.	1.00E+03	2.89E-01	9.16E+02	3.84E+00		Std.	3.57E+01	3.00E+01	2.85E+01	2.35E+01
	Time	1.57E+00	1.68E+00	1.41E+00	2.04E+00		Time	7.41E+00	7.59E+00	7.12E+00	7.13E+00
	Mean	4.56E+03	4.35E+03	4.25E+03	3.85E+03		Mean	5.04E+02	5.00E+02	4.96E+02	4.98E+02
	Median	4.61E+03	4.39E+03	4.26E+03	3.98E+03		Median	5.18E+02	5.16E+02	5.15E+02	5.14E+02
10	Best	3.22E+03	3.61E+03	3.08E+03	1.91E+03	25	Best	4.29E+02	4.57E+02	4.28E+02	4.29E+02
	Std.	4.33E+02	3.42E+02	6.01E+02	6.87E+02		Std.	2.90E+01	2.43E+01	2.97E+01	2.39E+01
	Time	2.81E+00	2.95E+00	2.59E+00	3.64E+00		Time	7.47E+00	7.68E+00	7.30E+00	7.15E+00
		1.95E+02	1.74E+02					3.11E+03		2.40E+03	1.85E+03
	Mean		1	1.24E+02	1.33E+02		Mean Median		2.19E+03	1	1
11	Median	1.94E+02	1.75E+02 8.41E+01	1.27E+02	1.34E+02	26	!	3.30E+03 3.00E+02	2.24E+03	2.40E+03	1.88E+03
11	Best	1.36E+02	1	8.02E+01	8.85E+01	20	Best		3.00E+02	3.00E+02	3.00E+02
	Std.	3.57E+01	3.85E+01	2.07E+01	2.59E+01		Std.	8.68E+02	4.14E+02	4.12E+02	2.86E+02
	Time	1.35E+00	1.47E+00	1.27E+00	1.85E+00		Time	1.01E+01	1.02E+01	9.42E+00	9.29E+00
	Mean	2.83E+06	2.52E+06	2.07E+06	2.06E+06		Mean	7.36E+02	6.68E+02	6.29E+02	6.03E+02
	Median	2.64E+06	2.12E+06	1.66E+06	1.91E+06		Median	7.39E+02	6.69E+02	6.20E+02	6.03E+02
12	Best	4.59E+05	6.26E+05	5.13E+05	4.97E+05	27	Best	6.08E+02	5.81E+02	5.42E+02	5.42E+02
	Std.	1.44E+06	1.45E+06	1.38E+06	9.58E+05		Std.	5.49E+01	4.18E+01	5.82E+01	3.62E+01
	Time	1.90E+00	2.02E+00	1.81E+00	2.57E+00		Time	1.44E+01	1.14E+01	1.08E+01	1.08E+01
	Mean	2.87E+04	2.32E+04	2.68E+04	2.11E+04		Mean	4.70E+02	4.65E+02	4.71E+02	4.77E+02
	Median	2.70E+04	2.32E+04	2.57E+04	1.89E+04		Median	4.62E+02	4.62E+02	4.61E+02	4.62E+02
13	Best	1.19E+04	1.43E+04	1.33E+04	9.40E+03	28	Best	4.59E+02	4.59E+02	4.59E+02	4.59E+02
	Std.	8.80E+03	5.10E+03	8.76E+03	8.67E+03		Std.	1.64E+01	1.27E+01	1.93E+01	2.18E+01
	Time	1.42E+00	1.53E+00	1.34E+00	1.94E+00		Time	9.59E+00	9.75E+00	9.06E+00	9.09E+00
	Mean	5.97E+03	4.48E+03	7.18E+03	8.00E+03		Mean	1.29E+03	1.13E+03	1.09E+03	9.47E+02
	Median	5.11E+03	3.92E+03	4.38E+03	6.93E+03		Median	1.30E+03	1.14E+03	1.08E+03	9.57E+02
14	Best	1.15E+03	7.19E+02	3.99E+02	4.19E+02	29	Best	8.45E+02	7.14E+02	5.50E+02	5.78E+02
4-7	Std.	3.64E+03	3.28E+03	7.79E+03	7.77E+03	-	Std.	1.42E+02	1.34E+02	2.26E+02	1.90E+02
	1	1.98E+00	2.09E+00	1.86E+00	2.64E+00					6.22E+00	1
	Time						Time	6.58E+00	6.71E+00		6.39E+00
	Mean	1.17E+04	7.30E+03	1.00E+04	7.14E+03		Mean	2.03E+07	1.95E+07	1.64E+07	1.66E+07
	Median	1.19E+04	7.09E+03	8.73E+03	6.06E+03		Median	2.02E+07	1.88E+07	1.59E+07	1.67E+07
15	Best	4.63E+03	3.62E+03	2.98E+03	2.67E+03	30	Best	1.26E+07	1.48E+07	1.33E+07	1.24E+07
	Std.	3.78E+03	2.04E+03	5.70E+03	3.42E+03		Std.	3.17E+06	2.63E+06	1.88E+06	1.71E+06
	Time	1.36E+00	1.47E+00	1.32E+00	1.89E+00		Time	1.16E+01	1.15E+01	1.11E+01	1.15E+01

TABLE S-V: ABLATION EXPERIMENTAL RESULTS ON CEC 2017 IN 100-D CASE

- Touris	D. 100	I - TEXMA	DC FWA	DC EWA	PC-FWA	P	D=100	I - TENNA	DC FWA	DC FWA	DC EWA
Func	D=100	LoTFWA	PC-FWAv	PC-FWAs		Func		LoTFWA	PC-FWAv	PC-FWAs	PC-FWA
	Mean	1.51E+02	6.63E+02	8.92E+02	6.92E+02		Mean	2.65E+03	2.23E+03	2.50E+03	2.15E+03
	Median	5.02E+01	1.35E+02	1.79E+01	1.57E+01		Median	2.66E+03	2.25E+03	2.55E+03	2.15E+03
1	Best	5.58E-01	1.89E-01	8.87E-06	1.15E-04	16	Best	1.73E+03	1.38E+03	1.46E+03	8.89E+02
	Std.	2.58E+02	1.08E+03	1.87E+03	1.61E+03		Std.	3.60E+02	2.88E+02	4.40E+02	4.79E+02
	Time	7.82E+00	7.82E+00	7.54E+00	7.68E+00		Time	1.02E+01	1.07E+01	1.01E+01	1.02E+01
-	Mean	6.64E+27	6.28E+24	5.07E+28	3.99E+24		Mean	1.93E+03	1.80E+03	1.94E+03	1.79E+03
	1		1.20E+20				1	1.94E+03		1.98E+03	1.78E+03
2	Median	2.78E+22		4.17E+21	4.46E+18		Median	1	1.82E+03		1
2	Best	9.91E+16	6.79E+13	2.52E+16	2.10E+13	17	Best	1.31E+03	1.38E+03	1.20E+03	1.20E+03
	Std.	3.98E+28	3.17E+25	3.61E+29	2.84E+25		Std.	2.26E+02	2.06E+02	3.08E+02	2.69E+02
	Time	8.04E+00	8.44E+00	8.01E+00	7.98E+00		Time	1.36E+01	1.38E+01	1.29E+01	1.40E+01
	Mean	1.16E+04	1.21E+03	1.20E+03	9.28E+01		Mean	2.44E+05	1.71E+05	1.53E+05	1.43E+05
	Median	1.16E+04	1.03E+03	1.14E+03	7.57E+01		Median	2.43E+05	1.77E+05	1.48E+05	1.41E+05
3	Best	5.31E+03	3.01E+02	3.72E+02	1.98E+01	18	Best	1.06E+05	8.73E+04	9.07E+04	7.93E+04
	Std.	3.16E+03	6.51E+02	5.34E+02	5.60E+01		Std.	7.24E+04	4.16E+04	3.92E+04	3.38E+04
	1		8.24E+00	7.92E+00				9.17E+00		9.00E+00	9.83E+00
	Time	7.61E+00			7.64E+00		Time		8.99E+00		
	Mean	2.47E+02	2.30E+02	2.28E+02	2.14E+02		Mean	3.30E+05	2.66E+05	1.81E+05	2.30E+05
	Median	2.47E+02	2.30E+02	2.33E+02	2.15E+02		Median	3.35E+05	2.53E+05	1.86E+05	2.12E+05
4	Best	1.66E+02	1.85E+02	8.54E+01	1.68E+02	19	Best	7.26E+04	7.73E+04	2.64E+04	3.76E+04
	Std.	3.21E+01	2.11E+01	3.61E+01	2.71E+01		Std.	1.10E+05	1.04E+05	8.01E+04	1.03E+05
	Time	7.75E+00	8.27E+00	8.24E+00	8.24E+00		Time	3.44E+01	3.33E+01	3.49E+01	3.82E+01
	Mean	4.19E+02	2.36E+02	2.42E+02	1.64E+02		Mean	2.09E+03	1.88E+03	2.04E+03	2.04E+03
	Median	4.22E+02	2.43E+02	2.40E+02	1.59E+02		Median	2.11E+03	1.86E+03	2.05E+03	2.04E+03
5	1		1			20	!				
5	Best	2.86E+02	1.62E+02	1.70E+02	1.23E+02	20	Best	1.50E+03	1.43E+03	1.08E+03	1.34E+03
	Std.	3.81E+01	2.64E+01	3.75E+01	2.50E+01		Std.	2.35E+02	1.94E+02	3.54E+02	3.40E+02
	Time	8.81E+00	9.54E+00	8.48E+00	9.13E+00		Time	1.53E+01	1.54E+01	1.49E+01	1.46E+01
	Mean	2.84E+01	1.13E+00	3.20E+01	3.59E+00		Mean	7.72E+02	4.99E+02	5.25E+02	4.07E+02
	Median	2.91E+01	1.05E+00	3.16E+01	3.09E+00		Median	7.73E+02	5.00E+02	5.27E+02	4.07E+02
6	Best	1.19E+01	9.06E-02	2.18E+01	2.14E-01	21	Best	6.65E+02	4.53E+02	4.41E+02	3.60E+02
	Std.	5.74E+00	7.29E-01	4.42E+00	2.74E+00		Std.	4.17E+01	2.32E+01	4.12E+01	2.54E+01
	Time	1.72E+01	1.84E+01	1.79E+01	1.74E+01		Time	2.95E+01	2.99E+01	2.82E+01	3.10E+01
	Mean	3.30E+02	3.21E+02	2.05E+02	2.00E+02		Mean	1.20E+04	1.15E+04	1.09E+04	1.04E+04
	Median	3.30E+02	3.22E+02	2.00E+02	1.98E+02		Median	1.23E+04	1.18E+04	1.08E+04	1.03E+04
7	Best	2.98E+02	2.62E+02	1.75E+02	1.70E+02	22	Best	1.00E+02	1.00E+02	8.97E+03	6.40E+03
	Std.	2.26E+01	2.33E+01	1.95E+01	1.51E+01		Std.	1.82E+03	1.74E+03	9.54E+02	1.22E+03
	Time	9.03E+00	9.91E+00	9.15E+00	8.92E+00		Time	3.67E+01	3.59E+01	3.35E+01	3.77E+01
	Mean	4.57E+02	2.50E+02	2.74E+02	1.67E+02		Mean	1.35E+03	1.17E+03	1.05E+03	9.61E+02
	Median	4.55E+02	2.52E+02	2.70E+02	1.65E+02		Median	1.37E+03	1.18E+03	1.03E+03	9.52E+02
8	Best	3.98E+02	2.10E+02	2.01E+02	1.14E+02	23	Best	1.19E+03	1.01E+03	9.49E+02	8.30E+02
0	1					23	1				1
	Std.	3.05E+01	2.24E+01	3.29E+01	2.34E+01		Std.	6.13E+01	6.22E+01	5.99E+01	5.84E+01
	Time	9.23E+00	9.84E+00	9.12E+00	8.93E+00		Time	4.30E+01	4.33E+01	4.10E+01	4.20E+01
	Mean	1.28E+04	1.61E+02	1.07E+04	1.68E+03		Mean	1.76E+03	1.38E+03	1.33E+03	1.17E+03
	Median	1.34E+04	3.36E+01	1.03E+04	1.33E+03		Median	1.77E+03	1.38E+03	1.33E+03	1.18E+03
9	Best	5.13E+03	5.37E-01	7.42E+03	0.00E+00	24	Best	1.49E+03	1.13E+03	1.13E+03	1.01E+03
	Std.	2.36E+03	2.98E+02	2.16E+03	1.68E+03		Std.	8.84E+01	8.95E+01	7.10E+01	6.52E+01
	Time	9.01E+00	9.51E+00	8.94E+00	8.89E+00		Time	4.16E+01	4.29E+01	3.90E+01	4.32E+01
	Mean	1.03E+04	9.99E+03	9.05E+03	8.35E+03		Mean	7.62E+02	7.10E+02	7.03E+02	6.68E+02
	1		1				1				1
10	Median	1.05E+04	1.02E+04	9.19E+03	8.12E+03	25	Median	7.56E+02	7.09E+02	6.97E+02	6.68E+02
10	Best	8.78E+03	8.63E+03	7.08E+03	5.96E+03	25	Best	6.27E+02	6.21E+02	5.74E+02	5.59E+02
	Std.	5.63E+02	6.47E+02	9.38E+02	1.20E+03		Std.	7.11E+01	4.42E+01	5.70E+01	5.89E+01
	Time	1.40E+01	1.44E+01	1.41E+01	1.41E+01		Time	4.51E+01	4.47E+01	4.35E+01	4.30E+01
	Mean	1.12E+03	1.15E+03	7.96E+02	8.30E+02		Mean	1.06E+04	6.13E+03	6.81E+03	4.87E+03
	Median	1.14E+03	1.14E+03	7.79E+02	8.14E+02		Median	1.05E+04	6.16E+03	6.82E+03	4.76E+03
11	Best	7.56E+02	7.90E+02	5.10E+02	5.98E+02	26	Best	9.18E+03	5.23E+03	5.62E+03	4.30E+03
	Std.	1.46E+02	1.89E+02	1.04E+02	1.01E+02	1	Std.	7.04E+02	3.54E+02	6.05E+02	3.61E+02
	Time	8.61E+00	8.56E+00	8.10E+00	8.68E+00		Time	5.63E+01	5.40E+01	5.14E+01	5.25E+01
								9.57E+02		7.46E+02	
	Mean	8.49E+06	9.27E+06	4.57E+06	6.74E+06		Mean		7.73E+02	l	6.73E+02
	Median	7.61E+06	8.68E+06	4.41E+06	6.39E+06		Median	9.58E+02	7.75E+02	7.48E+02	6.72E+02
12	Best	2.20E+06	2.89E+06	1.27E+06	1.71E+06	27	Best	8.03E+02	7.08E+02	6.49E+02	6.13E+02
	Std.	4.29E+06	3.88E+06	2.08E+06	2.89E+06		Std.	6.53E+01	3.52E+01	4.66E+01	2.84E+01
	Time	1.04E+01	1.10E+01	1.04E+01	1.04E+01		Time	6.37E+01	6.19E+01	5.98E+01	6.60E+01
	Mean	2.55E+04	2.14E+04	2.44E+04	2.21E+04		Mean	6.00E+02	5.76E+02	5.67E+02	5.71E+02
	Median	2.47E+04	2.08E+04	2.33E+04	2.19E+04		Median	5.99E+02	5.71E+02	5.62E+02	5.73E+02
13	Best	1.64E+04	1.48E+04	1.56E+04	1.18E+04	28	Best	5.02E+02	5.23E+02	4.75E+02	5.29E+02
1.3	Std.		1	1	5.20E+03	20					
	1	4.58E+03	3.19E+03	5.32E+03			Std.	4.41E+01	2.53E+01	3.42E+01	2.09E+01
	Time	8.31E+00	8.72E+00	8.28E+00	8.23E+00		Time	5.75E+01	5.58E+01	5.43E+01	5.52E+01
	Mean	9.61E+04	9.48E+04	6.48E+04	7.18E+04		Mean	3.71E+03	3.49E+03	3.28E+03	3.04E+03
	Median	9.86E+04	9.54E+04	6.03E+04	7.22E+04		Median	3.72E+03	3.53E+03	3.32E+03	3.03E+03
14	Best	3.15E+04	1.33E+04	1.75E+04	2.80E+04	29	Best	2.98E+03	2.46E+03	2.41E+03	1.98E+03
	Std.	3.60E+04	3.63E+04	2.91E+04	2.23E+04		Std.	3.35E+02	3.16E+02	3.30E+02	4.06E+02
	Time	1.07E+01	1.13E+01	1.07E+01	1.06E+01		Time	3.57E+01	3.48E+01	3.45E+01	3.58E+01
	Mean	1.83E+04	1.40E+04	1.71E+04	1.62E+04		Mean	3.51E+06	2.94E+06	2.12E+06	2.00E+06
	Median	1.91E+04	1.42E+04	1.65E+04	1.53E+04		Median	3.18E+06	2.58E+06	2.01E+06	1.97E+06
1.5	1	1			8.42E+03	20	1		!		
15	Best	9.85E+03	7.21E+03	7.11E+03		30	Best	1.71E+06	1.55E+06	8.34E+05	1.14E+06
	Std.	4.00E+03	3.32E+03	4.79E+03	5.07E+03		Std.	1.17E+06	9.37E+05	7.25E+05	5.24E+05
	Time	8.11E+00	8.63E+00	8.22E+00	8.49E+00		Time	5.66E+01	5.57E+01	5.59E+01	5.57E+01

TABLE S-VI: COMPARISIONS WITH FWA AND PSO VARIANTS ON CEC 2017 IN 10-D CASE

Func	D=10	ALCPSO	TAPSO	MAPSO	CoFFWA	GFWA	LoTFWA	PC-FWA
	Mean	2.48E+03	1.93E+03	3.09E+03	2.69E+03	1.97E+03	4.33E+02	7.14E+0
	Median	2.02E+03	7.63E+02	1.70E+03	1.59E+03	1.25E+03	1.72E+02	2.04E+0
1	Best	1.14E+00	2.06E+00	1.08E+00	2.26E+01	1.26E+01	1.22E-02	1.57E-02
	Std.	2.18E+03	2.77E+03	3.76E+03	2.63E+03	2.15E+03	5.98E+02	1.35E+0
	Time	1.27E-01	1.13E+00	5.70E+00	7.80E-01	4.31E-02	7.84E-02	9.17E-02
	Mean	1.59E-05	4.42E-05	7.34E+05	6.18E+00	2.80E+01	2.55E+01	3.82E+0
	Median	1.02E-05	2.38E-05	4.82E+03	1.42E-03	1.42E+01	1.36E+01	3.81E+0
2	Best	8.87E-08	1.65E-07	5.42E-03	4.04E-06	1.14E-05	1.30E-04	4.07E-05
	Std.	1.68E-05	5.75E-05	3.22E+06	1.62E+01	3.52E+01	3.44E+01	3.24E+0
	Time	1.19E-01	1.11E+00	5.72E+00	7.75E-01	3.92E-02	7.43E-02	8.73E-02
	Mean	0.00E+00	0.00E+00	1.53E+00	0.00E+00	0.00E+00	2.52E-06	8.81E-07
	Median	0.00E+00	0.00E+00	1.08E+00	0.00E+00	0.00E+00	1.80E-06	5.40E-07
3	Best	0.00E+00	0.00E+00	2.85E-02	0.00E+00	0.00E+00	5.33E-08	2.70E-08
	Std.	0.00E+00	0.00E+00	1.43E+00	0.00E+00	0.00E+00	2.52E-06	9.58E-07
	Time	1.11E-01	1.10E+00	5.60E+00	7.73E-01	3.91E-02	7.27E-02	8.58E-02
	Mean	5.83E+00	1.83E-04	9.00E+01	1.98E+00	1.82E+00	1.69E+00	2.72E+0
	Median	3.23E+00	9.82E-05	8.82E+01	2.25E+00	1.91E+00	1.73E+00	2.79E+0
4	Best	6.66E-03	5.16E-05	8.70E+01	1.20E-04	6.27E-03	2.51E-04	1.13E+0
	Std.	1.51E+01	4.55E-04	6.31E+00	1.31E+00	5.85E-01	1.05E+00	7.06E-0
	Time	1.23E-01	1.11E+00	5.52E+00	7.77E-01	3.99E-02	7.56E-02	8.83E-0
	Mean	1.25E+01	8.60E+00	3.42E+01	1.94E+01	1.80E+01	9.35E+00	4.88E+0
	Median	1.09E+01	7.96E+00	3.18E+01	1.79E+01	1.59E+01	8.97E+00	4.97E+0
5	Best	3.98E+00	2.98E+00	1.69E+01	2.98E+00	2.98E+00	3.98E+00	9.95E-0
	Std.	5.62E+00	3.57E+00	1.14E+01	9.03E+00	1.06E+01	3.07E+00	2.03E+0
	Time	1.20E-01	1.12E+00	5.75E+00	7.83E-01	4.58E-02	8.86E-02	9.63E-0
	Mean	9.31E-05	1.56E-05	3.57E-01	6.65E-02	1.05E+00	1.34E-03	7.06E-05
	Median	0.00E+00	0.00E+00	2.16E-01	4.18E-04	1.13E-07	1.83E-04	2.84E-0
6	Best	0.00E+00	0.00E+00	9.91E-04	8.45E-08	0.00E+00	3.42E-05	7.75E-0
	Std.	6.50E-04	6.20E-05	4.54E-01	2.10E-01	4.01E+00	3.68E-03	1.60E-0
	Time	1.82E-01	1.23E+00	6.67E+00	8.68E-01	1.29E-01	1.68E-01	1.81E-0
	Mean	2.04E+01	1.82E+01	2.14E+01	2.54E+01	2.84E+01	1.93E+01	1.30E+0
	Median	1.99E+01	1.72E+01	2.11E+01	2.55E+01	2.63E+01	2.02E+01	1.27E+0
7	Best	7.61E+00	1.25E+01	1.20E+01	1.46E+01	1.43E+01	6.89E+00	5.07E+0
	Std.	4.32E+00	4.16E+00	4.49E+00	5.53E+00	1.00E+01	4.70E+00	1.98E+0
	Time	1.35E-01	1.14E+00	1.48E+00	8.08E-01	5.79E-02	9.92E-02	1.08E-0
	Mean	1.15E+01	1.04E+01	8.35E+00	2.16E+01	2.00E+01	1.06E+01	3.67E+0
	Median	9.95E+00	9.95E+00	7.96E+00	2.09E+01	1.79E+01	1.00E+01	3.00E+0
8	Best	3.02E+00	1.99E+00	9.95E-01	6.96E+00	7.96E+00	3.98E+00	9.95E-0
	Std.	5.12E+00	4.49E+00	3.35E+00	7.33E+00	9.78E+00	3.39E+00	1.89E+0
	Time	1.23E-01	1.13E+00	1.45E+00	7.90E-01	4.83E-02	9.12E-02	9.82E-0
	Mean	2.31E-02	0.00E+00	3.27E-06	6.15E+00	1.24E-02	7.21E-08	0.00E+0
	Median	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.30E-08	0.00E+0
9	Best	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+0
-	Std.	9.05E-02	0.00E+00	2.33E-05	3.94E+01	6.55E-02	9.41E-08	0.00E+0
	Time	1.24E-01	1.12E+00	1.42E+00	7.97E-01	5.34E-02	9.24E-02	1.01E-0
	Mean	4.26E+02	3.46E+02	3.60E+02	5.71E+02	8.43E+02	4.37E+02	4.18E+0
	Median	3.92E+02	2.62E+02	3.47E+02	5.82E+02	9.09E+02	4.27E+02	3.79E+0
10	Best	1.85E+01	6.95E+00	6.95E+00	3.18E+01	1.35E+02	3.87E+00	1.22E+0
	Std.	2.01E+02	2.14E+02	2.36E+02	2.33E+02	3.12E+02	1.70E+02	1.71E+0
	Time	1.71E-01	1.13E+00	1.53E+00	8.35E-01	9.58E-02	1.38E-01	1.45E-0
	Mean	9.00E+00	8.90E+00	5.61E+00	1.04E+01	3.85E+01	1.43E+01	9.08E+0
	Median	6.69E+00	6.96E+00	4.98E+00	8.74E+00	3.06E+01	1.30E+01	8.50E+0
11	Best	1.00E+00	9.95E-01	3.40E-02	2.40E+00	4.10E+00	5.06E+00	1.37E+0
	Std.	8.08E+00	5.77E+00	4.37E+00	5.83E+00	2.61E+01	5.93E+00	4.77E+0
	Time	1.28E-01	1.12E+00	1.50E+00	7.80E-01	4.52E-02	8.24E-02	9.27E-0
	Mean	1.28E+04	7.79E+03	1.34E+04	1.51E+04	3.60E+04	5.44E+04	4.00E+0
	Median	6.46E+03	5.44E+03	9.75E+03	1.18E+04	2.29E+04	2.66E+04	1.65E+0
12	Best	6.38E+02	1.57E+02	6.01E+02	6.25E+02	2.50E+03	1.79E+03	1.49E+0
	Std.	1.38E+04	6.97E+02	1.08E+04	1.18E+04	3.60E+04	6.73E+03	6.75E+0
	Time	1.48E-01	1.14E+00	1.51E+00	8.05E-01	6.61E-02	1.04E-01	1.13E-0
	Mean	7.99E+03	4.24E+03	5.38E+01	1.55E+03	1.14E+04	1.27E+03	2.49E+0
	Median	7.99E+03 7.99E+03	3.25E+03	3.17E+01	4.65E+02	1.01E+04	8.68E+02	1.85E+0
13	Best	8.20E+00	2.51E+01	7.22E+00	2.02E+01	5.76E+02	1.97E+02	2.80E+0
1.5	Std.	5.67E+03	3.67E+03	7.22E+00 7.85E+01	3.25E+03	8.40E+02	9.61E+02	1.91E+0
	Time	1.42E-01	1.15E+00	1.54E+00	8.05E-01	5.85E-02	9.51E+02 9.58E-02	1.91E+0 1.07E-0
	Mean	3.82E+01	8.01E+02	1.54E+00 1.52E+01	1.10E+02	1.02E+02	9.38E+02 9.28E+01	9.66E+0
	Median		7.95E+02	I				
14		3.72E+01 7.26E+00		1.31E+01	7.13E+01 3.79E+00	7.46E+01	9.21E+01	6.61E+0
14	Best	7.26E+00	9.27E+00	1.06E+00	3.79E+00	2.63E+01	3.40E+01	3.71E+0
	Std.	1.62E+01	6.14E+02	1.08E+01	1.30E+02 8.10E-01	7.51E+01 6.28E-02	3.19E+01	9.75E+0
	Time	1.48E-01	1.13E+00	1.56E+00	8.10E-01	6.28E-02	1.01E-01	1.11E-0
	Mean	2.83E+01	1.14E+03	5.91E+00	6.41E+02	3.00E+02	7.35E+02	5.92E+0
15	Median	2.17E+01	6.51E+02	4.92E+00	1.80E+02	2.39E+02	5.40E+02	4.79E+0
15	Best	1.18E+00	1.08E+01	5.24E-01	3.03E+00	7.21E+01	7.07E+01	8.61E+0
	Std.	2.90E+01	1.40E+03	3.99E+00	1.24E+03	2.69E+02	4.51E+02	4.55E+0
	Time	1.38E-01	1.13E+00	1.50E+00	7.99E-01	5.64E-02	9.22E-02	1.03E-0

Meas									
Best		Mean	1.62E+02	8.77E+01	5.67E+00	7.75E+01	1.30E+02	1.48E+01	2.77E+01
Std. 1.05E+02 9.46E+01 1.34E+00 1.34E+01 1.32E+01 1.32E+01 1.34E+01 1.		l		3.85E+01	l				8.94E+00
Modulan 3398-60 1.318-60 1.468-60 8.178-01 7.298-02 1.318-01 3.158-01 3.158-01 Modulan 2.338-01 1.918-01 4.318-00 3.088-01 5.688-01 3.358-01 3.258-01 3	16	Best	3.61E-01	3.01E-02	1.14E-01	1.17E+00	3.29E+00	2.30E+00	1.17E+00
Mean		Std.	1.20E+02	9.40E+01	2.32E+01	8.47E+01	1.12E+02	1.10E+01	5.23E+01
Median 2.33E-01 1.01E-00 1.01E-00 0.01E-01 2.23E-01 3.25E-01		Time	1.55E-01	1.14E+00	1.46E+00	8.17E-01	7.29E-02	1.12E-01	1.20E-01
Sect		Mean	3.98E+01	2.37E+01	9.06E+00	3.40E+01	6.88E+01	3.33E+01	3.15E+01
Sect		Median	2.33E+01	1.91E+01	4.31E+00	3.03E+01	5.68E+01	3.25E+01	2.93E+01
Side	17	1	I .						
Time					1				
Median 379E-03 375E-03 3.5E-01 2.0E-03 1.00E-04 1.0EE-03 1.1SE-03			1		1				
Median M									
Sect. ASSE-01 7.27E-01 1.37E-00 3.8E-01 1.00E-04 1.17E-03 9.76E-01			1		I				
Sid. 4.83E-03 1.22E-04 2.22E-01 1.81E-03 1.00E-04 1.17E-03 1.28E-03 1.	10								
Time	10				1				
Mean		ł							
Median 127E-01 2.18E-03 107E-00 4.65E-01 2.99E-00 1.32E-01 2.26E-01 7.08E-00 No. 2.25E-02 7.08E-03 No. 2.25E-02 7.08E-03 No. 2.25E-01 3.25E-01 3.26E-01 7.08E-00 No. 2.25E-01 3.25E-01 3.26E-01 7.08E-00 No. 2.26E-01 3.26E-01 7.08E-00 No. 2.26E-01 3.26E-01 No. 2.26E-01 No. 2.226E-01 No. 2.226E-01 No. 2.226E-01 No. 2.226E-01 No. 2.226E-01 No. 2.226E-01 No. 2.									
Set 2.39E400		!	1		1				
Std. 2.25E402 7.03E403 8.34E-01 1.35E-00 2.34E-01 3.48E-01 3.49E-01 Median 1.59E-00 7.65E+00 1.54E+00 1.27E+01 3.38E-01 3.49E-01 3.48E-01 3.49E-01 3.48E-01 3.49E-01 3.48E-01 3.49E-01 3.48E-01 3.49E-01 3.48E-01 3.49E-01 3.48E-01 3.49E-01 3.49	10		1		1				
Time	19		1						
Mean			1				1		
Median 1.21E400 3.98E400 1.31E400 1.31E401 6.22E401 3.77E401 3.40E401									
Set		Mean	5.99E+00	7.65E+00	1.54E+00	1.27E+01	7.94E+01	3.88E+01	3.49E+01
Std. 8.34E-00 8.05E-00 1.13E-00 1.14E-01 4.65E-01 1.10E-01 5.27E-00 1.60E-01 1.			1		1				
Time	20	Best	0.00E+00	0.00E+00	0.00E+00	3.14E-04	2.18E+01	1.74E+01	1.73E+01
Mean 2.02E-02 1.85E-02 1.44E-02 1.47E-02 1.05E-02 9.80E-01 1.00E-02 1.		Std.	8.34E+00	8.05E+00	1.13E+00	1.14E+01	4.65E+01	1.03E+01	9.87E+00
Mean 2.02E+02 1.85E+02 1.44E+02 1.47E+02 1.05E+02 9.80E+01 1.000E+02 1.00E+02 1.00E+03 1.00E+03 1.00E+03 1.00E+03 1.00E+03 1.00E+03 1.00E+04 1.00E+03		Time	1.79E-01	1.16E+00	1.57E+00	8.68E-01	1.11E-01	1.52E-01	1.60E-01
Best		Mean	2.02E+02	1.85E+02	1.44E+02	1.47E+02	1.05E+02	9.80E+01	1.00E+02
Best									
Sid. 4.13E+01 4.80E+01 5.35E+01 5.95E+01 2.26E+01 1.29E-01 2.21E-01	21	Best		1.00E+02	1				
Time		l		4.80E+01	I	5.95E+01			
Mean					l				
Median 1,02E+02									
222 Best 2.56E+01 1.93E+01 1.00E+02 1.02E+01 4.36E+01 3.06E+01 4.63E+01 1.31E+00 1.62E+00 9.92E-01 2.25E-01 2.88E-01 2.84E-01 2.84E-02 3.06E+02 3.06E+0		!	1		1				
Std. 1.07E+01 1.15E+01 7.15E-01 1.47E+01 4.56E+01 3.06E+01 4.53E+01	22	l	1			1			
Time	22	l	1		I				
Meam					1				
Median 3.17E-02 3.15E-02 3.09E+02 3.21E+02 3.18E-02 3.11E+02 3.06E+02 5.06E+01 5.06E+00 5.06E+01 5.06E+00 5.06E+01 5.06E+00 5.06E+01 5.06E+00 1.00E+02 5.06E+01 5.00E+01									
Std. 1.10E+01 5.70E+00 3.01E+00 7.95E+00 8.80E+00 5.96E+01 2.83E+00 1.31E+00 1.73E+00 1.03E+00 2.59E-01 3.16E-01 3.19E-01 3.			1		1				
Std. 1.10E+01 5.70E+00 3.01E+00 7.95E+00 8.80E+00 5.96E+01 2.83E+00 1.73E+00 1.03E+00 2.59E+01 3.46E+01 1.70E+002 1.03E+00 2.59E+01 3.46E+01 1.70E+002 Median 3.51E+02 3.43E+02 3.37E+02 1.01E+02 1.00E+02 3.46E+04 1.23E+01 1.23E+02 3.00E+02 3.	22	1							
Time	23		1		1				
Mean			1		1				
Median 3.51E+02 3.43E+02 1.00E+02 1.00E+02 1.00E+02 1.00E+02 1.00E+02 1.00E+02 1.00E+02 1.00E+02 1.00E+02 9.46E-04 2.54E-03 Std. 7.00E+01 8.57E+01 8.7E+01 8.7E+01 8.7E+01 1.23E+02 3.25E+01 2.95E-01 2.93E-01 1.00E+02 1.00E+02 2.31E-01 2.95E-01 2.93E-01 2.93E-02 3.98E+02 3.00E+02 3.00E+0									
Sest		1			I				
Std. 7,00E+01 8.57E+01 9.87E+01 1.23E+02 3.25E+01 1.10E+02 2.95E-01 2.			1		1				
Time	24						l		
Mean			1		1				
Median									
25						l			
Std. 5.16E+01 2.36E+01 2.31E+01 1.27E+02 2.31E+01 4.03E-01 2.13E+01 Time 3.14E-01 1.28E+00 1.62E+00 1.01E+00 2.35E-01 2.88E-01 2.89E-01 Mean 3.45E+02 4.09E+02 3.01E+02 3.05E+02 2.92E+02 2.55E+02 2.94E+02 Median 3.00E+02 3.00E+02 3.00E+02 3.00E+02 3.00E+02 3.00E+02 26 Best 0.00E+00 2.00E+02 3.00E+02 2.00E+02 1.94E-05 4.41E-03 6.54E-03 Std. 2.12E+02 2.69E+02 6.60E+00 1.36E+02 4.40E+01 1.04E+02 4.20E+01 Time 3.87E+01 1.36E+00 1.70E+00 1.10E+00 3.04E-01 3.68E-01 3.61E-01 Median 3.93E+02 3.96E+02 3.90E+02 3.97E+02 3.94E+02 3.98E+02 Std. 2.34E+01 1.45E+01 1.85E-01 1.68E-01 3.92E+02 3.89E+02 3.88E+02 Std. 2.34E+02					1				
Time 3.14E-01 1.28E+00 1.62E+00 1.01E+00 2.35E-01 2.88E-01 2.89E-01 Mean 3.45E+02 4.09E+02 3.01E+02 3.25E+02 2.92E+02 2.55E+02 2.94E+02 Median 3.00E+02 3.47E+02 3.00E+02 3.00E+02 3.00E+02 3.00E+02 3.00E+02 26 Best 0.00E+00 2.00E+02 2.00E+02 1.94E-05 4.41E-03 6.54E-03 Std. 2.12E+02 2.69E+02 6.60E+00 1.36E+02 4.40E+01 1.04E+02 4.20E+01 Time 3.87E-01 1.36E+00 1.70E+00 1.10E+00 3.04E-01 3.68E-01 3.61E-01 Mean 3.93E+02 3.96E+02 3.99E+02 3.90E+02 3.90E+02 3.94E+02 3.92E+02 Median 3.84E+02 3.93E+02 3.90E+02 3.99E+02 3.90E+02 3.97E+02 3.94E+02 3.93E+02 Std. 2.34E+01 1.45E+01 1.85E-01 5.63E+01 1.47E+01 1.94E+00 1.92E+00 Time 4.65E-01 1.40E+00 1.77E+00 1.16E+00 3.59E-01 4.19E-01 4.16E-01 Mean 4.37E+02 4.92E+02 4.10E+02 3.00E+02 3.00E+02 3.00E+02 2.82E+02 Median 4.98E+02 5.84E+02 3.00E+02 3.00E+02 3.00E+02 3.00E+02 3.00E+02 3.00E+02 28 Best 3.00E+02 3.00	25		1.00E+02		1				
Mean 3.45E+02 4.09E+02 3.01E+02 3.25E+02 2.92E+02 2.55E+02 2.94E+02		Std.	5.16E+01		2.31E+01		2.31E+01		2.13E+01
Median 3.00E+02 3.47E+02 3.00E+02 4.41E+03 6.54E+03 6.54E+03 5.64E+03 5.64E+03 4.20E+01 1.04E+02 4.20E+01 1.04E+02 4.20E+01 1.04E+02 4.20E+01 1.04E+02 4.20E+01 3.68E-01 3.68E-01 3.68E-01 3.68E-01 3.68E-01 3.68E-01 3.92E+02 3.92E+02 3.94E+02 3.92E+02 3.92E+02 3.92E+02 3.92E+02 3.92E+02 3.92E+02 3.92E+02 3.89E+02 <		Time	3.14E-01		1.62E+00		2.35E-01		2.89E-01
26 Best 0.00E+00 2.00E+02 3.00E+02 2.00E+02 1.94E-05 4.41E-03 6.54E-03 Std. 2.12E+02 2.69E+02 6.60E+00 1.36E+02 4.40E+01 1.04E+02 4.20E+01 Time 3.87E-01 1.36E+00 1.70E+00 1.10E+00 3.04E-01 3.68E-01 3.61E-01 Mean 3.93E+02 3.96E+02 3.90E+02 3.90E+02 3.97E+02 3.94E+02 3.92E+02 27 Best 3.79E+02 3.90E+02 3.89E+02 3.97E+02 3.98E+02 3.89E+02 Std. 2.34E+01 1.45E+01 1.85E-01 5.63E+01 1.47E+01 1.94E+00 1.92E+00 Mean 4.37E+02 4.92E+02 4.10E+00 1.77E+00 1.16E+00 3.59E-01 4.19E-01 4.16E-01 Median 4.98E+02 5.84E+02 3.00E+02 3.00E+02 3.00E+02 3.00E+02 2.66E+02 2.82E+02 Median 4.98E+02 5.84E+02 3.00E+02 3.00E+02 3.00E+02 3.00E+02		Mean	3.45E+02		3.01E+02	3.25E+02	2.92E+02	2.55E+02	2.94E+02
Std. 2.12E+02 2.69E+02 6.60E+00 1.36E+02 4.40E+01 1.04E+02 4.20E+01 Time 3.87E-01 1.36E+00 1.70E+00 1.10E+00 3.04E-01 3.68E-01 3.61E-01 Mean 3.93E+02 3.96E+02 3.90E+02 3.90E+02 3.97E+02 3.94E+02 3.92E+02 Median 3.84E+02 3.93E+02 3.96E+02 3.97E+02 3.94E+02 3.93E+02 Std. 2.34E+01 1.45E+01 1.85E-01 5.63E+01 1.47E+01 1.94E+00 1.92E+00 Time 4.65E-01 1.40E+00 1.77E+00 1.16E+00 3.59E-01 4.19E-01 4.16E-01 Mean 4.37E+02 4.92E+02 4.10E+02 3.03E+02 3.00E+02 3.00E+02 2.82E+02 Median 4.98E+02 5.84E+02 3.00E+02 1.56E-03 1.56E-03 5.5E+03 3.0E+02 2.56E+02 2.55E+03			1		1				
Time 3.87E-01 1.36E+00 1.70E+00 1.10E+00 3.04E-01 3.68E-01 3.61E-01 Mean 3.93E+02 3.96E+02 3.89E+02 3.90E+02 4.02E+02 3.94E+02 3.92E+02 Median 3.84E+02 3.93E+02 3.90E+02 3.90E+02 3.97E+02 3.94E+02 3.93E+02 27 Best 3.79E+02 3.90E+02 3.89E+02 1.68E-01 3.92E+02 3.89E+02 3.88E+02 Std. 2.34E+01 1.45E+01 1.56E+01 5.65E+01 1.47E+01 1.94E+00 1.92E+00 Time 4.65E-01 1.40E+00 1.77E+00 1.16E+00 3.59E-01 4.19E-01 4.16E-01 Mean 4.37E+02 4.92E+02 4.10E+02 3.03E+02 3.06E+02 2.66E+02 2.82E+02 Median 4.98E+02 5.84E+02 3.00E+02 3.00E+02 3.00E+02 3.00E+02 3.00E+02 3.00E+02 3.00E+02 3.00E+02 1.50E-03 Std. 9.33E+01 1.34E+02 1.45E+02 9.75E+01 <td>26</td> <td>Best</td> <td>0.00E+00</td> <td></td> <td>1</td> <td></td> <td></td> <td>4.41E-03</td> <td></td>	26	Best	0.00E+00		1			4.41E-03	
Mean 3.93E+02 3.96E+02 3.89E+02 3.90E+02 3.90E+02 3.94E+02 3.92E+02		Std.	2.12E+02	2.69E+02	6.60E+00	1.36E+02	4.40E+01	1.04E+02	4.20E+01
Median 3.84E+02 3.93E+02 3.90E+02 3.96E+02 3.97E+02 3.94E+02 3.93E+02		Time	3.87E-01	1.36E+00	1.70E+00	1.10E+00	3.04E-01	3.68E-01	3.61E-01
27 Best Std. 3.79E+02 3.90E+02 1.45E+01 3.89E+02 1.68E-01 3.92E+02 3.89E+02 3.89E+02 3.89E+02 3.89E+02 3.89E+02 3.89E+02 3.89E+02 3.89E+02 3.89E+02 3.89E+02 3.89E+02 3.89E+02 3.89E+02 3.89E+02 3.89E+02 3.99E+00 1.92E+00 1.92E+00 1.92E+00 1.92E+00 1.92E+00 1.92E+00 1.16E+00 3.59E+01 4.19E+01 4.16E+01 4.9E+01 4.16E+01 4.9E+01 4.16E+01 4.9E+01 4.16E+01 4.9E+01 4.19E+01 4.16E+01 4.9E+02 4.10E+02 3.03E+02 3.03E+02 3.66E+02 2.82E+02 3.00E+02 3.00E		Mean	3.93E+02	3.96E+02	3.89E+02	3.90E+02	4.02E+02	3.94E+02	3.92E+02
Std. 2.34E+01 1.45E+01 1.85E-01 5.63E+01 1.47E+01 1.94E+00 1.92E+00 Time 4.65E-01 1.40E+00 1.77E+00 1.16E+00 3.59E-01 4.19E-01 4.16E-01 Mean 4.37E+02 4.92E+02 4.10E+02 3.03E+02 3.36E+02 2.66E+02 2.82E+02 Median 4.98E+02 5.84E+02 3.00E+02 3.00E+02 3.00E+02 3.00E+02 3.00E+02 3.00E+02 3.00E+02 3.00E+02 3.00E+02 1.50E-03 Std. 9.33E+01 1.34E+02 1.45E+02 9.75E+01 9.80E+01 9.35E+01 7.13E+01 Time 4.02E-01 1.34E+00 1.68E+00 1.11E+00 3.12E-01 3.60E-01 3.56E-01 Median 2.87E+02 2.80E+02 2.55E+02 3.06E+02 2.81E+02 2.56E+02 2.55E+02 29 Best 2.32E+02 2.41E+02 2.35E+02 2.34E+02 2.39E+02 2.35E+02 2.32E+02 2.32E+02 2.32E+02 2.32E+02 2.32E+02		Median	3.84E+02	3.93E+02	3.90E+02	3.96E+02	3.97E+02	3.94E+02	3.93E+02
Std. 2.34E+01 1.45E+01 1.85E-01 5.63E+01 1.47E+01 1.94E+00 1.92E+00 Time 4.65E-01 1.40E+00 1.77E+00 1.16E+00 3.59E-01 4.19E-01 4.16E-01 Mean 4.37E+02 4.92E+02 4.10E+02 3.03E+02 3.36E+02 2.66E+02 2.82E+02 Median 4.98E+02 5.84E+02 3.00E+02 3.00E+02 3.00E+02 3.00E+02 3.00E+02 3.00E+02 3.00E+02 3.00E+02 3.00E+02 1.50E-03 Std. 9.33E+01 1.34E+02 1.45E+02 9.75E+01 9.80E+01 9.35E+01 7.13E+01 Time 4.02E-01 1.34E+00 1.68E+00 1.11E+00 3.12E-01 3.60E-01 3.56E-01 Median 2.87E+02 2.80E+02 2.55E+02 3.06E+02 2.81E+02 2.56E+02 2.55E+02 29 Best 2.32E+02 2.41E+02 2.35E+02 2.34E+02 2.39E+02 2.35E+02 2.32E+02 2.32E+02 2.32E+02 2.32E+02 2.32E+02	27	Best	3.79E+02	3.90E+02	3.89E+02	1.68E-01	3.92E+02	3.89E+02	3.88E+02
Time 4.65E-01 1.40E+00 1.77E+00 1.16E+00 3.59E-01 4.19E-01 4.16E-01 Mean 4.37E+02 4.92E+02 4.10E+02 3.03E+02 3.36E+02 2.66E+02 2.82E+02 Median 4.98E+02 5.84E+02 3.00E+02 1.50E-03 3.00E+02 1.08E-02 1.50E-03 3.00E+02 2.50E+01 9.35E+01 7.13E+01 7.13E+02			1		I				
Mean 4.37E+02 4.92E+02 4.10E+02 3.03E+02 3.36E+02 2.66E+02 2.82E+02 Median 4.98E+02 5.84E+02 3.00E+02 1.08E-02 1.50E-03 Std. 9.33E+01 1.34E+02 1.45E+02 9.75E+01 9.80E+01 9.35E+01 7.13E+01 Time 4.02E-01 1.34E+00 1.68E+00 1.11E+00 3.12E-01 3.60E-01 3.56E-01 Mean 2.87E+02 2.80E+02 2.55E+02 3.06E+02 2.81E+02 2.56E+02 2.55E+02 Median 2.83E+02 2.73E+02 2.55E+02 2.94E+02 2.74E+02 2.55E+02 Std. 3.11E+01 3.04E+01 1.36E+01 4.70E+01 3.03E+01 1.27E+01 1.13E+01 Time 3.32E-01 1.34E+00 1.63E+00 1.04E+00 2.43E-01 2.91E-01 2.93E-01 Mean 1.39E			1						
Median 4.98E+02 5.84E+02 3.00E+02 1.08E-02 1.50E-03 Std. 9.33E+01 1.34E+00 1.45E+02 9.75E+01 9.80E+01 9.35E+01 7.13E+01 Time 4.02E-01 1.34E+00 1.68E+00 1.11E+00 3.12E-01 3.60E-01 3.56E-01 Median 2.87E+02 2.80E+02 2.55E+02 3.06E+02 2.81E+02 2.56E+02 2.55E+02 29 Best 2.32E+02 2.41E+02 2.35E+02 2.38E+02 2.39E+02 2.32E+02 2.32E+02 2.32E+02 2.32E+02 2.32E+02 2.32E+02 2.32E+01 1.13E+01 1.36E+01 4.70E+01 3.03E+01 1.27E+01 1.13E+01 Time 3.32E-01 1.34E+00 1.63E+00 1.04E+00 2.43E-01 2.91E-01 2.93E-01 2.93E-01 Mean									
28 Best Std. 3.00E+02 3.00E+02 3.00E+02 3.00E+02 4.79E-06 3.00E+02 1.08E-02 1.50E-03 1.08E-02 1.50E-03 Std. 9.33E+01 1.34E+02 1.45E+02 9.75E+01 9.80E+01 9.35E+01 7.13E+01 7.13E+01 1.34E+00 1.68E+00 1.11E+00 3.12E-01 3.60E-01 3.56E-01 3.56E-01 3.60E-01 3.56E-01 3.60E-01 3.56E-01 3.56E-01 3.60E-01 3.56E-01 3.60E-01 3.56E-01 3.60E-01 2.55E+02 2.55E+02 2.80E+02 2.81E+02 2.56E+02 2.55E+02 2.80E+02 2.80E+02 2.55E+02 2.80E+02 2.55E+02 2.55E+02 2.55E+02 2.55E+02 2.55E+02 2.55E+02 2.55E+02 2.30E+02 3.30E+01 1.27E+01 1.13E+01 1.30E+01 1.30			1						
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29 Best Std. 2.32E+02 2.41E+02 3.04E+01 2.35E+02 2.35E+02 2.38E+02 2.38E+02 2.39E+02 2.39E+02 2.39E+02 2.32E+02 2.32E+02 2.32E+02 2.32E+02 2.32E+02 2.32E+02 Std. 3.11E+01 3.04E+01 1.36E+01 1.36E+01 1.36E+01 1.36E+01 1.34E+00 1.63E+00 1.04E+00 1.04E+00 1.04E+00 1.04E+01 1.36E+01 1.03E+01 1.33E+01 1.33E+01 1.33E+03 1.35E+03 1.35			1			l .	l .		l .
Std. 3.11E+01 3.04E+01 1.36E+01 4.70E+01 3.03E+01 1.27E+01 1.13E+01 Time 3.32E-01 1.34E+00 1.63E+00 1.04E+00 2.43E-01 2.91E-01 2.93E-01 Mean 1.39E+04 1.36E+05 2.11E+05 1.44E+04 1.88E+05 1.02E+04 5.88E+03 Median 5.66E+03 1.63E+03 3.50E+03 1.17E+04 6.94E+03 8.65E+03 5.02E+03 30 Best 3.81E+02 5.87E+02 7.43E+02 2.56E+03 1.12E+03 1.64E+03 9.25E+02 Std. 2.67E+04 2.92E+05 3.59E+05 1.42E+04 5.09E+05 6.48E+03 3.33E+03	29		I .						
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Mean 1.39E+04 1.36E+05 2.11E+05 1.44E+04 1.88E+05 1.02E+04 5.38E+03 Median 5.66E+03 1.63E+03 3.50E+03 1.17E+04 6.94E+03 8.65E+03 5.02E+03 30 Best 3.81E+02 5.87E+02 7.43E+02 2.56E+03 1.12E+03 1.64E+03 9.25E+02 Std. 2.67E+04 2.92E+05 3.59E+05 1.42E+04 5.09E+05 6.48E+03 3.33E+03					!				
Median 5.66E+03 1.63E+03 3.50E+03 1.17E+04 6.94E+03 8.65E+03 5.02E+03 30 Best 3.81E+02 5.87E+02 7.43E+02 2.56E+03 1.12E+03 1.64E+03 9.25E+02 Std. 2.67E+04 2.92E+05 3.59E+05 1.42E+04 5.09E+05 6.48E+03 3.33E+03									
30 Best 3.81E+02 5.87E+02 7.43E+02 2.56E+03 1.12E+03 1.64E+03 9.25E+02 Std. 2.67E+04 2.92E+05 3.59E+05 1.42E+04 5.09E+05 6.48E+03 3.33E+03									
Std. 2.67E+04 2.92E+05 3.59E+05 1.42E+04 5.09E+05 6.48E+03 3.33E+03	20		1		l				
	30		1		1				
11me 5.41E-01 1.54E+00 1.85E+00 1.23E+00 4.42E-01 4.96E-01 4.96E-01			1		1				
		Time	5.41E-01	1.54E+00	1.85E+00	1.23E+00	4.42E-01	4.96E-01	4.96E-01

TABLE S-VII: COMPARISIONS WITH FWA AND PSO VARIANTS ON CEC 2017 IN 30-D CASE

Func	D=30	ALCPSO	TAPSO	MAPSO	CoFFWA	GFWA	LoTFWA	PC-FWA
	Mean	4.53E+03	2.29E+03	3.09E+03	4.01E+03	2.84E+03	1.65E+02	2.73E+02
1	Median	2.15E+03	1.19E+03	1.70E+03	2.91E+03	7.99E+02	3.59E+01	3.46E+01
1	Best Std.	1.27E-02 5.14E+03	1.18E-01 2.89E+03	1.08E+00 3.76E+03	3.49E+00 4.37E+03	1.90E+00 3.95E+03	1.89E-01 3.10E+02	4.01E-03 6.96E+02
	Time	7.07E-01	5.63E+00	5.70E+00	2.94E+00	4.05E-01	4.10E-01	6.59E-01
	Mean	2.24E+17	1.46E-04	7.34E+05	3.43E+01	2.58E+03	2.11E+04	1.80E+04
	Median	2.72E+10	6.12E-05	4.82E+03	9.59E+00	3.81E+02	2.94E+03	3.11E+03
2	Best	6.83E-03	0.00E+00	5.42E-03	3.71E-05	1.26E+01	4.98E-04	9.95E-01
	Std.	1.58E+18	2.30E-04	3.22E+06	9.31E+01	6.16E+03	6.98E+04	3.75E+04
	Time	6.46E-01 2.49E+00	5.79E+00 0.00E+00	5.72E+00	2.97E+00	3.99E-01	4.02E-01	6.41E-01 1.29E-04
	Mean Median	2.49E+00 2.90E-01	0.00E+00 0.00E+00	1.53E+00 1.08E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	6.15E-04 2.45E-04	8.28E-05
3	Best	2.76E-04	0.00E+00	2.85E-02	0.00E+00	0.00E+00	8.16E-06	9.20E-06
	Std.	7.92E+00	0.00E+00	1.43E+00	0.00E+00	0.00E+00	7.69E-04	1.53E-04
	Time	6.57E-01	5.56E+00	5.60E+00	2.95E+00	3.78E-01	3.91E-01	6.06E-01
	Mean	1.03E+02	3.68E+01	9.00E+01	8.77E+01	9.98E+01	5.82E+01	7.34E+01
4	Median Best	1.03E+02	5.86E+01	8.82E+01	8.71E+01	9.94E+01	6.89E+01	7.01E+01
+	Std.	6.84E-03 4.77E+01	2.78E-04 2.96E+01	8.70E+01 6.31E+00	1.24E-01 2.22E+01	1.33E-01 2.28E+01	3.68E-01 3.21E+01	3.67E-02 2.56E+01
	Time	6.44E-01	5.47E+00	5.52E+00	2.98E+00	3.95E-01	4.06E-01	6.35E-01
	Mean	8.91E+01	5.43E+01	3.42E+01	1.28E+02	8.72E+01	6.96E+01	2.62E+01
	Median	8.46E+01	5.17E+01	3.18E+01	1.26E+02	8.26E+01	6.77E+01	2.69E+01
5	Best	2.79E+01	3.48E+01	1.69E+01	4.68E+01	3.88E+01	4.68E+01	1.59E+01
	Std.	3.00E+01	1.24E+01	1.14E+01	3.82E+01	2.75E+01	1.21E+01	6.51E+00
	Time Mean	6.59E-01 3.48E+00	5.52E+00 6.93E-03	5.75E+00 3.57E-01	3.01E+00 2.04E+01	4.26E-01 1.75E+00	5.25E-01 7.92E-01	7.12E-01 1.34E-02
	Median	1.92E+00	5.07E-03	2.16E-01	1.88E+01	9.55E-02	8.91E-02	1.41E-03
6	Best	3.54E-04	4.50E-05	9.91E-04	6.40E+00	0.00E+00	1.16E-04	1.99E-05
	Std.	4.12E+00	6.98E-03	4.54E-01	8.40E+00	6.61E+00	1.62E+00	3.57E-02
	Time	1.40E+00	6.24E+00	6.67E+00	3.75E+00	1.12E+00	1.30E+00	1.78E+00
	Mean	1.18E+02	8.14E+01	9.58E+01	1.50E+02	8.54E+01	7.19E+01	4.76E+01
7	Median Best	1.18E+02 6.83E+01	7.87E+01 5.99E+01	9.65E+01 5.57E+01	1.52E+02 7.25E+01	8.19E+01 4.59E+01	7.18E+01 5.63E+01	4.70E+01 3.82E+01
,	Std.	2.81E+01	1.53E+01	1.85E+01	3.34E+01	2.29E+01	8.84E+00	4.86E+00
	Time	7.01E-01	5.54E+00	5.61E+00	3.06E+00	4.68E-01	5.64E-01	7.74E-01
	Mean	9.22E+01	5.50E+01	3.47E+01	1.25E+02	8.99E+01	6.50E+01	2.73E+01
	Median	9.05E+01	5.37E+01	3.38E+01	1.16E+02	7.96E+01	6.47E+01	2.79E+01
8	Best	3.78E+01	2.98E+01	1.99E+01	6.47E+01	4.48E+01	3.98E+01	1.29E+01
	Std. Time	2.48E+01 6.74E-01	1.49E+01 5.59E+00	9.64E+00 5.78E+00	3.91E+01 3.06E+00	3.81E+01 4.55E-01	1.00E+01 5.60E-01	8.04E+00 7.56E-01
	Mean	8.66E+02	8.61E+01	5.06E+01	3.06E+03	5.71E+02	3.36E+00	0.00E+00
	Median	3.95E+02	5.64E+01	4.05E+01	2.78E+03	0.00E+00	0.00E+00	0.00E+00
9	Best	1.74E+01	2.81E+00	9.41E-01	7.20E+01	0.00E+00	0.00E+00	0.00E+00
	Std.	1.05E+03	9.47E+01	4.20E+01	1.83E+03	1.53E+03	2.36E+01	0.00E+00
	Time Mean	7.71E-01 2.98E+03	5.67E+00	5.71E+00 2.64E+03	3.08E+00 3.33E+03	4.67E-01	5.43E-01	7.65E-01 2.21E+03
	Median	2.90E+03	2.52E+03 2.49E+03	2.60E+03	3.30E+03	3.65E+03 3.66E+03	2.46E+03 2.49E+03	2.20E+03
10	Best	1.52E+03	1.08E+03	1.72E+03	1.94E+03	2.34E+03	1.68E+03	1.43E+03
	Std.	5.74E+02	6.12E+02	4.85E+02	4.64E+02	5.56E+02	3.49E+02	4.47E+02
	Time	1.14E+00	6.00E+00	6.39E+00	3.50E+00	8.65E-01	9.95E-01	1.31E+00
	Mean	1.22E+02	8.16E+01	8.21E+01	1.44E+02	1.45E+02	9.45E+01	6.71E+01
11	Median Best	1.22E+02 3.48E+01	7.86E+01 3.68E+01	8.16E+01 1.65E+01	1.41E+02 3.50E+01	1.36E+02 7.63E+01	9.16E+01 4.22E+01	6.23E+01 2.97E+01
	Std.	4.55E+01	3.26E+01	2.99E+01	5.66E+01	4.55E+01	3.07E+01	2.40E+01
	Time	6.86E-01	5.60E+00	5.67E+00	2.96E+00	4.15E-01	4.65E-01	6.67E-01
_	Mean	2.82E+05	2.62E+04	3.49E+04	9.46E+05	1.09E+06	4.11E+05	3.42E+05
10	Median	4.23E+04	1.99E+04	2.99E+04	7.81E+05	7.92E+05	3.21E+05	3.24E+05
12	Best Std.	6.01E+03 7.91E+05	2.53E+03 2.37E+04	5.39E+03 2.78E+04	3.58E+04 7.24E+05	1.40E+04 9.44E+05	3.86E+04 3.33E+05	3.69E+04 2.07E+05
	Time	9.02E-01	5.77E+00	5.82E+00	3.16E+00	6.03E-01	6.59E-01	9.36E-01
	Mean	1.92E+04	1.73E+04	1.79E+04	4.90E+04	7.56E+04	2.09E+04	1.51E+04
	Median	9.99E+03	1.10E+04	1.46E+04	4.05E+04	6.16E+04	1.98E+04	1.46E+04
13	Best	4.93E+01	3.29E+01	4.25E+01	1.25E+04	1.69E+04	6.63E+03	9.12E+03
	Std.	3.48E+04	1.81E+04	1.53E+04	2.64E+04	4.95E+04	7.64E+03	3.67E+03
	Time	7.20E-01	5.61E+00 5.38E+03	5.81E+00 2.85E+03	3.05E+00 8.20E+03	4.62E-01 1.79E+03	5.05E-01 8.02E±02	7.52E-01
	Mean Median	3.73E+04 1.27E+04	5.38E+03 7.87E+02	2.85E+03 1.72E+03	8.29E+03 7.11E+03	1.79E+03 1.19E+03	8.02E+02 6.80E+02	4.28E+02 2.74E+02
14	Best	5.21E+02	4.42E+01	9.73E+01	4.16E+02	2.68E+02	2.13E+02	1.52E+02
	Std.	6.98E+04	2.72E+04	3.66E+03	6.88E+03	1.42E+03	5.10E+02	3.47E+02
	Time	9.41E-01	5.86E+00	6.23E+00	3.21E+00	6.31E-01	6.89E-01	9.61E-01
	Mean	1.13E+04	6.25E+03	4.70E+03	8.95E+03	6.01E+04	1.35E+04	8.16E+03
15	Median	6.39E+03	2.31E+03	1.70E+03	4.16E+03	5.67E+04	1.27E+04	8.01E+03
15	Best Std.	3.32E+01 1.12E+04	1.63E+01 8.60E+03	2.93E+01 6.52E+03	4.14E+02 9.94E+03	4.40E+03 3.58E+04	3.03E+03 4.74E+03	2.32E+03 3.32E+03
	Time	7.30E-01	5.64E+00	5.83E+00	3.02E+00	4.42E-01	4.74E+03 4.80E-01	7.24E-01
-		1	1 2.2.2.00	1 2.22.27.00				

	Mean	9.24E+02	8.02E+02	5.09E+02	8.28E+02	9.35E+02	5.84E+02	6.37E+02
	Median	9.59E+02	7.61E+02	5.24E+02	8.20E+02	9.26E+02	5.79E+02	6.40E+02
16	Best	1.50E+02	1.36E+02	1.44E+01	3.91E+02	2.90E+02	2.61E+02	3.10E+02
	Std.	2.86E+02	2.45E+02	2.55E+02	2.00E+02	3.22E+02	1.39E+02	1.42E+02
	Time	8.85E-01	5.73E+00	5.88E+00	3.22E+00	6.02E-01	6.75E-01	9.46E-01
	Mean	4.03E+02	3.26E+02	1.08E+02	4.28E+02	3.78E+02	1.25E+02	1.62E+02
	Median	3.94E+02	3.28E+02	8.75E+01	4.16E+02	3.78E+02	1.23E+02	1.70E+02
17	Best	5.85E+01	4.53E+01	3.28E+01	1.93E+02	5.28E+01	5.57E+01	3.81E+01
	Std.	1.81E+02	1.73E+02	5.85E+01	1.31E+02	1.85E+02	3.86E+01	9.49E+01
	Time	1.10E+00	5.98E+00	6.25E+00	3.46E+00	8.11E-01	9.24E-01	1.27E+00
	Mean	1.50E+05	3.81E+04	6.19E+04	1.20E+05	9.13E+04	5.24E+04	4.02E+04
	Median	1.24E+05	3.42E+04	6.09E+04	8.62E+04	9.11E+04	5.54E+04	3.75E+04
18	Best	6.51E+03	9.14E+03	6.70E+03	1.95E+04	1.98E+04	1.28E+04	1.27E+04
	Std.	1.30E+05	1.85E+04	3.56E+04	8.48E+04	4.35E+04	2.11E+04	1.69E+04
	Time	8.09E-01	5.70E+00	5.98E+00	3.06E+00	4.91E-01	5.40E-01	8.21E-01
-	Mean	1.18E+04	6.19E+03	4.47E+03	1.13E+04	1.32E+05	8.30E+04	4.65E+04
	Median	6.40E+03	2.76E+03	1.99E+03	7.63E+03	1.29E+05	6.22E+04	3.38E+04
19	Best	9.29E+01	2.37E+01	5.48E+01	1.35E+02	2.18E+04	1.37E+03	2.70E+02
	Std.	1.40E+04	8.81E+03	7.07E+03	1.18E+04	4.76E+04	7.45E+04	4.05E+04
	Time	2.94E+00	8.00E+00	8.30E+00	5.41E+00	2.74E+00	2.94E+00	4.13E+00
	Mean	3.51E+02	2.95E+02	1.55E+02	4.56E+02	5.35E+02	2.44E+02	2.93E+02
	Median	3.17E+02	2.95E+02	1.77E+02	4.55E+02	5.16E+02	2.44E+02	2.93E+02
20	Best	4.74E+01	2.58E+01	4.37E+01	2.15E+02	1.65E+02	1.10E+02	9.57E+01
	Std.	1.71E+02	1.46E+02	5.44E+01	1.48E+02	1.94E+02	6.33E+01	9.97E+01
	Time	1.22E+00	6.14E+00	6.38E+00	3.64E+00	9.35E-01	1.06E+00	1.45E+00
	Mean	2.97E+02	2.60E+02	2.34E+02	3.19E+02	2.88E+02	2.68E+02	2.28E+02
	Median	2.96E+02	2.56E+02	2.34E+02	3.10E+02	2.91E+02	2.72E+02	2.26E+02
21	Best	2.44E+02	2.28E+02	2.14E+02	2.59E+02	1.00E+02	1.00E+02	2.15E+02
	Std.	2.92E+01	1.69E+01	9.32E+00	3.11E+01	4.13E+01	2.58E+01	7.30E+00
	Time	1.75E+00	6.68E+00	6.74E+00	4.17E+00	1.53E+00	1.70E+00	2.14E+00
	Mean	1.68E+03	7.54E+02	1.00E+02	1.78E+03	2.72E+02	1.00E+02	1.00E+02
	Median	2.29E+03	1.00E+02	1.00E+02	1.03E+02	1.00E+02	1.00E+02	1.00E+02
22	Best	1.00E+02						
	Std.	1.62E+03	1.21E+03	9.95E-01	1.84E+03	8.62E+02	0.00E+00	0.00E+00
	Time	2.20E+00	7.17E+00	6.96E+00	4.74E+00	2.02E+00	2.25E+00	2.89E+00
	Mean	4.79E+02	4.23E+02	3.87E+02	4.98E+02	4.83E+02	4.37E+02	3.90E+02
	Median	4.65E+02	4.19E+02	3.88E+02	5.01E+02	4.76E+02	4.40E+02	3.90E+02
23	Best	4.13E+02	3.84E+02	3.68E+02	4.02E+02	3.90E+02	4.03E+02	3.63E+02
	Std.	4.76E+01	2.29E+01	9.89E+00	4.67E+01	4.04E+01	1.75E+01	1.40E+01
	Time	2.57E+00	7.67E+00	7.65E+00	5.08E+00	2.34E+00	2.63E+00	3.50E+00
	Mean	5.65E+02	5.14E+02	4.54E+02	5.36E+02	5.31E+02	4.96E+02	4.46E+02
	Median	5.52E+02	5.09E+02	4.54E+02	5.43E+02	5.24E+02	4.99E+02	4.46E+02
24	Best	4.78E+02	4.69E+02	4.34E+02	2.00E+02	4.58E+02	4.51E+02	4.28E+02
	Std.	6.07E+01	2.93E+01	9.81E+00	9.58E+01	4.49E+01	1.52E+01	9.47E+00
	Time	2.40E+00	7.29E+00	7.55E+00	4.84E+00	2.06E+00	2.41E+00	3.24E+00
	Mean	4.06E+02	3.90E+02	3.88E+02	3.89E+02	3.87E+02	3.87E+02	3.87E+02
	Median	4.02E+02	3.87E+02	3.88E+02	3.87E+02	3.87E+02	3.87E+02	3.87E+02
25	Best	3.78E+02	3.83E+02	3.87E+02	3.83E+02	3.83E+02	3.83E+02	3.83E+02
	Std.	2.46E+01	1.08E+01	4.81E-01	8.43E+00	7.25E-01	8.26E-01	4.72E-01
	Time	2.46E+00	7.31E+00	7.12E+00	4.76E+00	2.21E+00	2.36E+00	3.17E+00
	Mean	1.36E+03	1.42E+03	1.37E+03	2.10E+03	2.10E+03	7.17E+02	1.16E+03
26	Median	1.51E+03	1.73E+03	1.39E+03	2.44E+03	2.13E+03	3.00E+02	1.29E+03
26	Best	2.00E+02	2.00E+02	3.00E+02	2.00E+02	2.00E+02	2.00E+02	2.00E+02
	Std. Time	9.38E+02 3.12E+00	6.87E+02 7.92E+00	1.93E+02 8.17E+00	1.06E+03 5.56E+00	5.23E+02 2.87E+00	7.30E+02 3.27E+00	4.63E+02 4.23E+00
				5.08E+02	5.55E+00 5.55E+02		5.2/E+00 5.34E+02	4.23E+00 5.12E+02
	Mean Median	4.99E+02 5.00E+02	5.18E+02 5.16E+02	5.08E+02 5.08E+02	5.50E+02 5.50E+02	5.69E+02 5.63E+02	5.34E+02 5.34E+02	5.12E+02 5.13E+02
27	Best	4.71E+02	4.89E+02	4.88E+02	5.08E+02	5.03E+02 5.19E+02	5.00E+02	3.13E+02 4.86E+02
41	Std.	4./1E+02 4.15E+00	4.89E+02 1.11E+01	4.88E+02 8.97E+00	3.08E+02 2.54E+01	5.19E+02 4.11E+01	1.17E+01	4.86E+02 1.09E+01
	Time	3.80E+00	8.77E+00	8.88E+00	6.07E+00	3.39E+00	3.65E+00	4.73E+00
	Mean	4.14E+02	3.40E+02	3.90E+02	3.62E+02	3.66E+02	3.27E+02	3.03E+02
	Median	4.14E+02 4.29E+02	3.40E+02 3.00E+02	4.03E+02	3.91E+02	3.98E+02	3.27E+02 3.00E+02	3.00E+02
28	Best	3.00E+02	3.00E+02 3.00E+02	3.00E+02	3.91E+02 3.00E+02	3.98E+02 3.00E+02	3.00E+02 3.00E+02	3.00E+02 3.00E+02
	Std.	5.87E+01	5.81E+01	4.50E+01	5.70E+01	6.15E+01	4.14E+01	1.51E+01
	Time	3.15E+00	8.27E+00	7.92E+00	5.52E+00	2.87E+00	3.07E+00	3.38E+00
	Mean	7.47E+02	7.21E+02	5.23E+02	1.01E+03	9.71E+02	7.26E+02	6.33E+02
	Median	7.42E+02	7.21E+02 7.20E+02	4.94E+02	1.02E+03	9.62E+02	7.30E+02	6.16E+02
29	Best	3.24E+02	4.41E+02	4.38E+02	7.35E+02	5.60E+02	5.82E+02	4.82E+02
	Std.	2.26E+02	1.60E+02	7.61E+01	1.64E+02	2.03E+02	8.27E+01	8.35E+01
	Time	2.40E+00	7.59E+00	7.07E+00	4.79E+00	2.11E+00	2.23E+00	2.14E+00
	Mean	2.76E+03	5.12E+03	5.02E+03	1.40E+05	5.75E+05	3.75E+05	3.06E+05
	Median	1.64E+03	4.24E+03	4.36E+03	1.17E+05	5.46E+05	3.35E+05	3.03E+05
30	Best	2.76E+02	2.41E+03	2.22E+03	2.59E+04	1.09E+05	8.48E+04	6.18E+04
	Std.	2.67E+03	2.46E+03	2.47E+03	8.67E+04	3.00E+05	1.95E+05	1.80E+05
	Time	4.30E+00	9.31E+00	9.18E+00	6.58E+00	4.01E+00	4.08E+00	3.89E+00
	1							

TABLE S-VIII: COMPARISIONS WITH FWA AND PSO VARIANTS ON CEC 2017 IN 50-D CASE

Func	D=50	ALCPSO	TAPSO	MAPSO	CoFFWA	GFWA	LoTFWA	PC-FWA
	Mean	5.75E+03	4.96E+03	2.70E+03	5.67E+03	5.21E+03	1.00E+02	3.31E+02
	Median	1.28E+03	2.59E+03	1.49E+03	3.33E+03	4.22E+03	1.91E+01	1.15E+01
1	Best	2.88E+00	3.59E+00	1.47E+00	1.05E-01	1.17E+02	2.47E-03	1.27E-02
	Std. Time	7.47E+03 1.99E+00	6.89E+03 1.40E+01	3.40E+03 1.12E+01	6.99E+03 6.24E+00	4.37E+03 1.17E+00	2.20E+02 1.26E+00	7.81E+02 1.31E+00
	Mean	8.68E+29	7.75E+08	1.84E+15	1.11E+05	6.32E+09	4.28E+09	2.81E+09
	Median	1.50E+20	7.49E-05	7.51E+10	1.65E+03	7.97E+06	6.10E+06	3.13E+07
2	Best	9.90E+09	5.36E-08	1.48E+06	1.03E-03	2.48E+03	3.53E+03	2.27E+03
	Std.	6.19E+30	5.53E+09	1.18E+16	5.31E+05	3.35E+10	1.91E+10	8.60E+09
	Time	1.97E+00	1.42E+01	1.12E+01	6.19E+00	1.19E+00	1.27E+00	1.32E+00
	Mean	3.96E+03	4.31E+02	1.17E+02	2.47E-06	0.00E+00	2.76E-01	2.27E-03
2	Median	3.84E+03	4.69E+01	9.31E+01	1.59E-07	0.00E+00	1.37E-01	1.60E-03
3	Best Std.	1.98E+03 1.09E+03	3.41E-02 9.87E+02	2.06E+01 7.32E+01	0.00E+00 7.24E-06	0.00E+00 0.00E+00	3.46E-03 2.96E-01	1.92E-04 2.52E-03
	Time	1.79E+00	1.38E+01	1.11E+01	6.10E+00	1.12E+00	1.23E+00	1.21E+00
	Mean	2.20E+02	4.06E+01	1.38E+02	1.26E+02	1.47E+02	9.71E+01	8.71E+01
	Median	2.17E+02	2.85E+01	1.20E+02	1.31E+02	1.47E+02	9.95E+01	9.76E+01
4	Best	8.25E+01	1.93E-03	1.02E+02	2.18E+01	2.87E+01	2.91E+01	2.55E+01
	Std.	6.84E+01	4.13E+01	3.80E+01	5.39E+01	5.48E+01	3.44E+01	4.55E+01
	Time	1.75E+00	1.40E+01	1.14E+01	6.28E+00	1.18E+00	1.28E+00	1.27E+00
	Mean Median	2.17E+02 2.07E+02	1.27E+02 1.25E+02	6.98E+01 6.87E+01	2.71E+02 2.61E+02	1.35E+02 1.25E+02	1.46E+02 1.47E+02	5.59E+01 5.57E+01
5	Best	1.01E+02	6.96E+01	4.38E+01	1.40E+02	7.36E+01	1.13E+02	3.48E+01
	Std.	5.64E+01	2.53E+01	1.37E+01	7.13E+01	4.21E+01	1.53E+01	1.31E+01
	Time	1.88E+00	1.42E+01	1.14E+01	6.48E+00	1.25E+00	1.57E+00	1.43E+00
	Mean	1.77E+01	3.13E-02	1.09E+00	3.68E+01	2.86E+00	1.11E+01	9.79E-02
	Median	1.40E+01	2.89E-02	1.08E+00	3.64E+01	3.60E-01	1.26E+01	2.56E-02
6	Best	2.68E+00	1.49E-03	1.20E-01	1.19E+01	0.00E+00	2.09E-01	5.52E-04
	Std. Time	1.09E+01 4.15E+00	2.10E-02 1.65E+01	4.76E-01 1.36E+01	1.06E+01 8.53E+00	8.06E+00 2.93E+00	7.28E+00 3.76E+00	1.82E-01 3.65E+00
	Mean	2.57E+02	1.94E+02	1.90E+02	3.74E+02	1.30E+02	1.36E+02	8.80E+01
	Median	2.62E+02	1.92E+02	1.84E+02	3.73E+02	1.30E+02	1.36E+02	8.78E+01
7	Best	1.63E+02	1.45E+02	1.23E+02	2.15E+02	7.17E+01	1.03E+02	7.19E+01
	Std.	4.50E+01	3.37E+01	3.43E+01	8.33E+01	2.97E+01	1.45E+01	7.82E+00
	Time	2.04E+00 2.13E+02	1.42E+01 1.30E+02	1.12E+01 6.89E+01	6.46E+00 2.73E+02	1.34E+00 1.45E+02	1.65E+00 1.48E+02	2.08E+00 6.14E+01
	Mean Median	2.07E+02	1.29E+02	6.67E+01	2.71E+02 2.71E+02	1.45E+02	1.47E+02	6.17E+01
8	Best	1.50E+02	7.96E+01	3.98E+01	1.71E+02	7.86E+01	8.59E+01	4.18E+01
	Std.	3.66E+01	2.51E+01	1.64E+01	5.90E+01	3.44E+01	2.24E+01	1.03E+01
	Time	2.01E+00	1.41E+01	1.14E+01	6.46E+00	1.33E+00	1.66E+00	2.06E+00
	Mean	6.24E+03	8.90E+02	2.65E+02	1.12E+04	2.71E+03	3.25E+03	1.02E+00
9	Median Best	6.00E+03 6.09E+02	6.85E+02 9.81E+01	2.65E+02 3.75E+01	1.08E+04 3.95E+03	1.04E+03 0.00E+00	3.40E+03 8.95E-02	0.00E+00 0.00E+00
	Std.	3.60E+03	6.91E+02	1.36E+02	3.99E+03	4.06E+03	1.00E+03	3.84E+00
	Time	2.26E+00	1.41E+01	1.13E+01	6.50E+00	1.35E+00	1.57E+00	2.04E+00
	Mean	5.65E+03	4.61E+03	4.90E+03	5.95E+03	5.76E+03	4.56E+03	3.85E+03
10	Median	5.69E+03	4.60E+03	4.94E+03	6.06E+03	5.65E+03	4.61E+03	3.98E+03
10	Best Std.	3.62E+03 8.59E+02	3.00E+03 7.10E+02	3.31E+03 7.49E+02	4.00E+03 8.87E+02	4.20E+03 7.58E+02	3.22E+03 4.33E+02	1.91E+03 6.87E+02
	Time	3.31E+00	1.55E+01	1.26E+01	7.75E+00	2.51E+00	2.81E+00	3.64E+00
	Mean	2.31E+02	1.42E+02	1.74E+02	2.19E+02	2.11E+02	1.95E+02	1.33E+02
	Median	2.22E+02	1.40E+02	1.65E+02	2.16E+02	2.08E+02	1.94E+02	1.34E+02
11	Best	1.19E+02	7.40E+01	9.62E+01	8.16E+01	1.15E+02	1.36E+02	8.85E+01
	Std.	7.09E+01	3.75E+01	5.02E+01	5.06E+01	4.83E+01	3.57E+01	2.59E+01
	Time Mean	1.85E+00 2.36E+06	1.43E+01 1.17E+05	1.12E+01 4.74E+05	6.32E+00 5.14E+06	1.24E+00 3.57E+06	1.35E+00 2.83E+06	1.85E+00 2.06E+06
	Median	7.61E+05	5.07E+04	3.73E+05	4.69E+06	3.44E+06	2.64E+06	1.91E+06
12	Best	5.42E+04	8.97E+03	7.18E+04	6.78E+05	1.11E+06	4.59E+05	4.97E+05
	Std.	5.32E+06	3.35E+05	3.87E+05	3.01E+06	1.75E+06	1.44E+06	9.58E+05
	Time	2.63E+00	1.50E+01	1.19E+01	6.88E+00	1.79E+00	1.90E+00	2.57E+00
	Mean	7.73E+03	4.58E+03	5.67E+03	1.31E+05	1.23E+05	2.87E+04	2.11E+04
13	Median Best	6.12E+03 2.71E+02	1.94E+03	3.00E+03 7.49E+01	1.09E+05 2.17E+04	1.04E+05 2.15E+04	2.70E+04 1.19E+04	1.89E+04 9.40E+03
13	Std.	6.02E+03	1.21E+02 6.55E+03	6.43E+03	8.38E+04	6.97E+04	8.80E+03	8.67E+03
	Time	1.98E+00	1.45E+01	1.13E+01	6.47E+00	1.31E+00	1.42E+00	1.94E+00
	Mean	7.66E+04	1.25E+04	2.47E+04	2.94E+04	1.09E+04	5.97E+03	8.00E+03
	Median	3.43E+04	5.09E+03	1.27E+04	1.93E+04	7.43E+03	5.11E+03	6.93E+03
14	Best	9.55E+02	7.94E+02	1.06E+03	1.67E+03	5.52E+02	1.15E+03	4.19E+02
	Std. Time	1.05E+05 2.76E+00	2.13E+04 1.51E+01	2.70E+04 1.21E+01	2.94E+04 6.90E+00	9.95E+03 1.82E+00	3.64E+03 1.98E+00	7.77E+03 2.64E+00
	Mean	9.64E+03	5.25E+03	3.32E+03	4.34E+04	4.32E+04	1.17E+04	7.14E+03
	Median	8.66E+03	2.29E+03	2.06E+03	3.94E+04	3.88E+04	1.19E+04	6.06E+03
15	Best	4.24E+02	3.36E+01	1.11E+02	6.94E+03	9.89E+03	4.63E+03	2.67E+03
	Std.	7.49E+03	5.35E+03	3.75E+03	2.39E+04	2.79E+04	3.78E+03	3.42E+03
	Time	1.97E+00	1.42E+01	1.12E+01	6.31E+00	1.23E+00	1.36E+00	1.89E+00

	Mean	1.74E+03	1.17E+03	9.86E+02	1.57E+03	1.65E+03	9.67E+02	8.60E+02
	Median	1.67E+03	1.12E+03	9.64E+02	1.59E+03	1.62E+03	9.77E+02	8.71E+02
16				1				
16	Best	7.56E+02	2.51E+02	3.74E+02	8.64E+02	5.97E+02	5.56E+02	3.91E+02
	Std.	4.14E+02	3.77E+02	3.34E+02	3.50E+02	5.02E+02	1.82E+02	2.27E+02
	Time	2.44E+00	1.48E+01	1.17E+01	6.80E+00	1.66E+00	1.87E+00	2.47E+00
	Mean	1.37E+03	1.07E+03	9.68E+02	1.32E+03	1.38E+03	7.90E+02	8.09E+02
	Median	1.39E+03	1.04E+03	9.62E+02	1.36E+03	1.44E+03	7.84E+02	8.38E+02
17	Best	7.53E+02	5.73E+02	3.43E+02	7.71E+02	7.56E+02	4.72E+02	3.95E+02
			2.75E+02	1	1	3.61E+02		
	Std.	3.16E+02		2.72E+02	2.32E+02		1.24E+02	1.81E+02
	Time	3.20E+00	1.55E+01	1.25E+01	7.77E+00	2.31E+00	2.58E+00	3.39E+00
	Mean	2.80E+06	4.70E+04	1.53E+05	1.99E+05	1.15E+05	1.41E+05	7.96E+04
	Median	7.66E+05	3.08E+04	9.41E+04	1.88E+05	1.15E+05	1.39E+05	7.75E+04
10					1			
18	Best	1.26E+05	6.45E+03	2.98E+04	6.41E+04	3.96E+04	7.06E+04	3.70E+04
	Std.	3.52E+06	4.69E+04	1.43E+05	8.90E+04	4.89E+04	4.77E+04	2.59E+04
	Time	2.22E+00	1.45E+01	1.16E+01	6.48E+00	1.41E+00	1.52E+00	2.08E+00
	Mean	1.69E+04	1.37E+04	1.05E+04	1.17E+05	2.51E+05	8.83E+04	7.27E+04
	Median	1.59E+04	1.24E+04	1.01E+04	1.09E+05	2.52E+05	7.22E+04	6.48E+04
19	Best	1.39E+02	5.89E+02	1.20E+03	3.45E+04	1.93E+04	3.83E+03	1.26E+04
	Std.	1.04E+04	9.75E+03	6.24E+03	5.04E+04	1.34E+05	7.27E+04	4.30E+04
	Time	8.26E+00	2.07E+01	1.77E+01	1.32E+01	7.37E+00	7.84E+00	1.03E+01
	Mean	9.31E+02	6.86E+02	5.53E+02	1.15E+03	1.12E+03	5.92E+02	7.13E+02
	Median	9.55E+02	6.08E+02	5.27E+02	1.18E+03	1.10E+03	6.21E+02	6.76E+02
20								
20	Best	1.71E+02	2.06E+02	1.47E+02	6.22E+02	3.94E+02	2.71E+02	2.89E+02
	Std.	2.51E+02	3.03E+02	2.18E+02	2.47E+02	3.56E+02	1.32E+02	2.05E+02
	Time	3.57E+00	1.62E+01	1.29E+01	8.34E+00	2.67E+00	2.97E+00	3.91E+00
		4.20E+02		2.66E+02				
	Mean		3.30E+02		4.67E+02	3.64E+02	3.57E+02	2.55E+02
	Median	4.23E+02	3.28E+02	2.65E+02	4.60E+02	3.57E+02	3.58E+02	2.54E+02
21	Best	3.10E+02	2.79E+02	2.36E+02	3.36E+02	2.76E+02	3.26E+02	2.40E+02
		4.02E+01		1.32E+01	5.94E+01		1.73E+01	
	Std.	1	2.38E+01			3.97E+01		1.11E+01
	Time	5.44E+00	1.82E+01	1.48E+01	1.03E+01	4.66E+00	5.13E+00	7.07E+00
	Mean	5.99E+03	4.79E+03	3.85E+03	6.31E+03	6.53E+03	4.07E+03	4.39E+03
	Median	6.44E+03	5.11E+03	4.66E+03	6.59E+03	6.68E+03	5.03E+03	4.54E+03
22								
22	Best	1.00E+02	1.00E+02	1.00E+02	1.00E+02	1.00E+02	1.00E+02	1.00E+02
	Std.	1.98E+03	1.62E+03	2.35E+03	1.47E+03	1.45E+03	2.12E+03	1.11E+03
	Time	6.85E+00	2.09E+01	1.67E+01	1.16E+01	5.82E+00	6.82E+00	8.89E+00
	Mean	6.70E+02	6.04E+02	4.99E+02	7.51E+02	7.10E+02	6.56E+02	5.36E+02
	Median	6.68E+02	6.05E+02	4.99E+02	7.45E+02	7.08E+02	6.57E+02	5.37E+02
23	Best	4.30E+02	5.30E+02	4.56E+02	5.76E+02	5.59E+02	5.89E+02	4.43E+02
	Std.	1.02E+02	3.50E+01	1.81E+01	6.69E+01	7.81E+01	3.37E+01	2.94E+01
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	Time	8.12E+00	2.17E+01	1.78E+01	1.28E+01	6.98E+00	7.95E+00	1.02E+01
	Mean	8.95E+02	7.20E+02	5.61E+02	8.22E+02	7.72E+02	7.25E+02	5.82E+02
	Median	8.85E+02	7.09E+02	5.63E+02	7.98E+02	7.55E+02	7.28E+02	5.79E+02
24		6.33E+02	6.24E+02	5.32E+02	6.55E+02	6.18E+02	6.14E+02	5.49E+02
24	Best			1	1		1	
	Std.	1.42E+02	5.58E+01	1.47E+01	8.71E+01	9.31E+01	3.57E+01	2.35E+01
	Time	7.62E+00	2.10E+01	1.76E+01	1.25E+01	6.39E+00	7.41E+00	7.13E+00
-	Mean	6.29E+02	5.51E+02	5.21E+02	5.29E+02	5.21E+02	5.04E+02	4.98E+02
	Median	6.25E+02	5.60E+02	5.19E+02	5.28E+02	5.20E+02	5.18E+02	5.14E+02
25	Best	4.63E+02	4.68E+02	4.81E+02	4.62E+02	4.60E+02	4.29E+02	4.29E+02
	Std.	6.46E+01	3.50E+01	2.14E+01	3.41E+01	3.16E+01	2.90E+01	2.39E+01
	Time	7.94E+00	2.17E+01	1.83E+01	1.26E+01	7.04E+00	7.47E+00	7.15E+00
	Mean	2.82E+03	2.56E+03	1.89E+03	4.53E+03	3.53E+03	3.11E+03	1.85E+03
	Median	2.84E+03	2.86E+03	1.88E+03	4.61E+03	3.52E+03	3.30E+03	1.88E+03
26	Best	3.00E+02	3.00E+02	1.52E+03	3.17E+03	2.08E+03	3.00E+02	3.00E+02
		1.25E+03		1.62E+02			1	2.86E+02
	Std.		9.78E+02	1	6.16E+02	7.13E+02	8.68E+02	
	Time	9.87E+00	2.32E+01	2.22E+01	1.46E+01	8.88E+00	1.01E+01	9.29E+00
	Mean	5.05E+02	6.47E+02	5.83E+02	8.44E+02	8.97E+02	7.36E+02	6.03E+02
	Median	5.00E+02	6.24E+02	5.70E+02	8.28E+02	9.07E+02	7.39E+02	6.03E+02
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27	Best	5.00E+02	5.34E+02	5.10E+02	6.02E+02	7.03E+02	6.08E+02	5.42E+02
	Std.	3.48E+01	7.69E+01	5.09E+01	1.17E+02	1.34E+02	5.49E+01	3.62E+01
	Time	1.20E+01	2.43E+01	2.28E+01	1.63E+01	1.03E+01	1.44E+01	1.08E+01
	Mean	5.02E+02	4.94E+02	4.80E+02	4.98E+02	5.02E+02	4.70E+02	4.77E+02
	Median	5.00E+02	4.97E+02	4.60E+02	5.08E+02	5.08E+02	4.62E+02	4.62E+02
28	Best	5.00E+02	4.59E+02	4.59E+02	4.60E+02	4.59E+02	4.59E+02	4.59E+02
	Std.	1.15E+01	2.69E+01	2.35E+01	2.96E+01	1.78E+01	1.64E+01	2.18E+01
				1	1			
	Time	1.03E+01	2.23E+01	2.19E+01	1.45E+01	8.86E+00	9.59E+00	9.09E+00
	Mean	1.27E+03	1.10E+03	7.81E+02	1.81E+03	1.79E+03	1.29E+03	9.47E+02
	Median	1.34E+03	1.09E+03	7.51E+02	1.81E+03	1.79E+03	1.30E+03	9.57E+02
29		I	4.34E+02	1	1			
47	Best	6.24E+02		3.73E+02	1.08E+03	9.48E+02	8.45E+02	5.78E+02
	Std.	2.90E+02	3.32E+02	2.51E+02	3.18E+02	3.73E+02	1.42E+02	1.90E+02
	Time	7.19E+00	2.00E+01	1.89E+01	1.17E+01	6.14E+00	6.58E+00	6.39E+00
	Mean	6.72E+04	7.61E+05	8.04E+05	1.24E+07	1.47E+07	2.03E+07	1.66E+07
		I		1	1			
	Median	4.34E+04	7.65E+05	7.87E+05	1.21E+07	1.43E+07	2.02E+07	1.67E+07
30	Best	5.10E+03	5.91E+05	6.20E+05	7.72E+06	9.33E+06	1.26E+07	1.24E+07
30	Best							
30			9.14E+04	8.56E+04	2,25E+06	3,01E+06	3.17E+06	1.71E+06
30	Std.	5.71E+04	9.14E+04	8.56E+04	2.25E+06	3.01E+06	3.17E+06	1.71E+06
			9.14E+04 2.50E+01	8.56E+04 2.39E+01	2.25E+06 1.68E+01	3.01E+06 1.13E+01	3.17E+06 1.16E+01	1.71E+06 1.15E+01

TABLE S-IX: COMPARISIONS WITH FWA AND PSO VARIANTS ON CEC 2017 IN 100-D CASE

Mean 8.50E+03 5.28E+03 5.83E+03 1.5SE+04 5.84E+03 5.02E+01 Median 4.68E+03 1.86E+03 4.75E+03 6.94E+03 3.52E+03 5.02E+01 Best 2.08E+01 8.43E+00 1.40E+00 6.22E+00 7.16E+01 5.58E+01 Std. 8.99E+03 6.33E+03 5.06E+03 1.79E+04 6.85E+03 2.58E+02 Time 1.33E+01 6.08E+01 3.87E+01 2.10E+01 7.05E+00 7.82E+00 Mean 4.31E+91 1.62E+35 4.09E+52 7.01E+16 1.89E+18 6.64E+27 Median 3.29E+71 1.19E+09 3.86E+44 7.32E+13 7.81E+14 2.78E+22 Dest 3.86E+47 2.23E+01 1.34E+37 1.01E+09 3.4E+06 9.91E+16 Std. 2.94E+92 1.16E+36 2.62E+33 2.93E+17 1.11E+19 3.98E+28 Time 1.21E+01 6.12E+01 3.66E+01 2.18E+01 7.24E+00 8.04E+00 Mean 5.99E+04 3.91E+04 4.18E+03 2.19E+03 0.00E+00 1.16E+04 Median 5.91E+04 3.57E+04 4.06E+03 7.83E+02 0.00E+00 1.16E+04 Median 5.91E+04 1.59E+04 1.61E+03 1.18E-02 0.00E+00 5.31E+03 Std. 9.10E+03 1.51E+04 1.28E+03 2.77E+03 0.00E+00 3.16E+03 Time 1.12E+01 6.19E+01 3.77E+01 2.08E+01 6.74E+00 7.61E+00 Mean 5.33E+02 1.77E+02 2.66E+02 2.43E+02 2.52E+02 2.47E+02 Median 5.32E+02 1.77E+02 2.66E+02 2.43E+02 2.52E+02 2.47E+02 Median 5.38E+02 4.07E+02 4.33E+01 2.55E+01 4.60E+01 5.36E+01 3.21E+01 Time 1.16E+01 6.08E+01 3.53E+01 2.14E+01 7.03E+00 7.75E+00 Mean 5.84E+02 4.07E+02 1.56E+02 6.98E+02 2.30E+02 4.22E+02 Std. 1.04E+02 6.00E+01 3.53E+01 2.14E+01 7.03E+00 7.75E+00 Mean 5.84E+02 4.07E+02 1.56E+02 6.98E+02 3.06E+02 4.22E+02 2.26E+02 Std. 1.04E+02 6.00E+01 3.08E+01 2.14E+01 7.03E+00 7.75E+00 Mean 3.46E+01 8.00E+01 3.58E+01 2.14E+01 7.03E+00 7.75E+00 Mean 3.46E+01 3.78E+02 4.05E+02 9.92E+02 4.22E+02 4.22E+	6.92E+02 1.57E+01 1.15E-04
Best 2,08E+01 8,43E+00 1,40E+00 6,22E+00 7,16E-01 5,58E-01	1.15E-04
Sid. 8,99E+03 6,33E+03 5,06E+03 1,79E+04 6,85E+03 2,58E+02 7,32E+00 7,32E+10 7,05E+00 7,32E+10 7,32E+13 7,81E+14 2,78E+22 3,86E+47 2,23E+01 1,34E+37 1,01E+09 3,24E+06 9,91E+16 5,14E+02 1,16E+36 2,62E+53 2,93E+17 1,11E+19 3,93E+28 7,32E+13 7,81E+14 2,78E+22 3,86E+47 2,23E+01 1,34E+37 1,01E+09 3,24E+06 9,91E+16 3,62E+33 2,93E+17 1,11E+19 3,93E+28 7,32E+13 7,81E+14 2,78E+22 3,86E+01 2,18E+01 7,24E+00 3,94E+06 3,91E+06 3,91E+06 3,91E+04 4,66E+03 7,83E+02 0,00E+00 1,16E+04 4,66E+03 7,83E+02 0,00E+00 1,16E+04 4,66E+03 7,83E+02 0,00E+00 1,16E+04 4,66E+03 7,83E+02 0,00E+00 1,16E+04 4,66E+03 7,83E+02 0,00E+00 3,16E+03 3,6E+03 3,6E+03 3,6E+03 3,6E+03 3,77E+03 3,6E+03 3,6E+03 3,6E+03 3,77E+03 3,6E+03 3,77E+03 3,6E+03 3,6E+03 3,77E+03 3,6E+03 3,77E+03 3,6E+03 3,6E+03 3,6E+03 3,77E+03 3,6E+03 3,6E+03 3,77E+03 3,6E+03 3,77E+03 3,6E+03 3,	
Time	
Mean 4.31E+91 1.62E+35 4.09E+52 7.01E+16 1.89E+18 6.64E+27	1.61E+03 7.68E+00
Median 3.29E+71 1.19E+09 3.86E+44 7.32E+13 7.81E+14 2.78E+22	3.99E+24
Std. 2.94E+92 1.16E+36 2.62E+53 2.93E+17 1.11E+19 3.98E+28	4.46E+18
Time	2.10E+13
Mean S.99E+04 3.91E+04 4.18E+03 2.19E+03 0.00E+00 1.16E+04 Median S.91E+04 3.57E+04 4.06E+03 7.83E+02 0.00E+00 1.16E+04 3 Best 4.00E+04 1.59E+04 1.61E+03 1.18E+02 0.00E+00 3.16E+03 Std. 9.10E+03 1.51E+04 1.28E+03 2.77E+03 0.00E+00 3.16E+03 Time 1.12E+01 6.19E+01 3.77E+01 2.08E+01 6.74E+00 7.61E+00 Mean S.53E+02 1.84E+02 2.66E+02 2.45E+02 2.56E+02 2.47E+02 Median S.32E+02 1.77E+02 2.66E+02 2.43E+02 2.52E+02 2.47E+02 4 Best 2.94E+02 7.27E+01 2.13E+02 1.43E+02 1.61E+02 1.66E+02 Std. 1.52E+02 4.33E+01 2.55E+01 4.60E+01 5.03E+01 3.21E+01 Time 1.16E+01 6.08E+01 3.53E+01 2.14E+01 7.03E+00 7.75E+00 Mean S.77E+02 4.15E+02 1.56E+02 6.98E+02 3.06E+02 4.19E+02 Median 5.77E+02 4.15E+02 9.35E+01 4.86E+02 1.30E+02 2.86E+02 Std. 1.04E+02 6.00E+01 2.87E+01 1.06E+02 8.10E+01 3.81E+01 Time 1.27E+01 6.11E+01 3.98E+01 2.19E+01 7.28E+00 8.81E+00 Mean 3.46E+01 8.60E+02 1.77E+00 5.08E+01 6.26E+01 2.91E+01 Median 3.49E+01 7.96E+02 1.77E+00 5.08E+01 6.26E+01 2.91E+01 Std. 7.94E+00 3.90E+02 1.75E+00 3.71E+01 1.36E+05 1.19E+01 Time 2.22E+01 6.94E+01 4.80E+01 3.03E+01 1.41E+01 1.72E+01 Mean 7.63E+02 6.04E+02 4.64E+02 9.66E+02 2.45E+02 3.30E+02 Median 7.63E+02 6.12E+02 4.64E+02 9.66E+02 2.45E+02 3.30E+02 Median 7.63E+02 4.55E+02 3.18E+01 3.03E+01 1.41E+01 1.72E+01 Mean 7.96E+02 4.55E+02 3.36E+02 3.30E+02 4.57E+02 Median 7.63E+02 4.16E+02 4.64E+02 9.66E+02 2.45E+02 3.30E+02 4.57E+02 Median 5.88E+02 4.16E+02 4.62E+02 9.66E+02 2.45E+02 3.30E+02 4.57E+02 Median 6.01E+02 4.22E+01 6.02E+01 7.02E+00 7.65E+00 9.03E+00 Mean 5.88E+02 4.16E+02 1.62E+02 7.19E+02 3.36E+02 4.57E+02 Median 6.01E+02 4.22E+02 6.02E+01 7.02E+01 7.02	2.84E+25
Median S.91E+04 3.57E+04 4.06E+03 7.83E+02 0.00E+00 1.16E+04 Std. 9.10E+03 1.51E+04 1.61E+03 1.18E-02 0.00E+00 5.31E+03 Std. 9.10E+03 1.51E+04 1.28E+03 2.77E+03 0.00E+00 3.16E+03 Time 1.12E+01 6.19E+01 3.77E+01 2.08E+01 6.74E+00 7.61E+00 Mean 5.53E+02 1.84E+02 2.66E+02 2.45E+02 2.56E+02 2.47E+02 Median 5.32E+02 1.77E+02 2.66E+02 2.43E+02 2.52E+02 2.47E+02 4 Best 2.94E+02 7.27E+01 2.13E+02 1.43E+02 1.61E+02 1.66E+02 Std. 1.52E+02 4.33E+01 2.55E+01 4.60E+01 5.03E+01 3.21E+01 Time 1.16E+01 6.08E+01 3.53E+01 2.14E+01 7.03E+00 7.75E+00 Mean 5.84E+02 4.07E+02 1.54E+02 6.98E+02 3.06E+02 4.19E+02 Median 5.77E+02 4.15E+02 1.56E+02 6.93E+02 2.94E+02 4.22E+02 Std. 1.04E+02 6.00E+01 2.87E+01 1.06E+02 8.10E+01 3.81E+01 Time 1.27E+01 6.11E+01 3.98E+01 2.19E+01 7.28E+00 8.81E+00 Mean 3.46E+01 8.60E-02 1.85E+00 5.13E+01 3.66E+01 2.91E+01 Median 3.49E+01 3.73E-02 1.05E+00 3.71E+01 1.36E-05 1.19E+01 Std. 7.94E+00 3.90E-02 5.42E-01 6.99E+00 7.12E+00 5.74E+00 Median 7.63E+02 6.04E+02 4.69E+02 9.92E+02 2.60E+02 3.30E+02 Median 7.63E+02 6.12E+02 4.64E+02 9.66E+02 2.45E+02 3.30E+02 Median 7.63E+02 6.12E+02 4.64E+02 9.66E+02 2.45E+02 3.30E+02 Median 5.88E+02 4.55E+02 3.18E+01 2.20E+01 7.65E+00 9.03E+00 Mean 5.88E+02 4.55E+02 3.18E+02 6.98E+01 2.20E+01 7.65E+00 9.03E+00 Mean 5.88E+02 4.16E+02 1.62E+02 7.19E+02 3.36E+02 4.57E+02 Median 6.01E+02 4.22E+02 1.62E+02 5.34E+01 7.65E+00 9.03E+00 Mean 5.88E+02 4.16E+02 1.62E+02 5.34E+01 7.05E+01 3	7.98E+00
Std. 4.00E+04 1.59E+04 1.61E+03 1.18E-02 0.00E+00 5.31E+03 Std. 9.10E+03 1.51E+04 1.28E+03 2.77E+03 0.00E+00 3.16E+03 Time 1.12E+01 6.19E+01 3.77E+01 2.08E+01 6.74E+00 7.61E+00 Mean 5.53E+02 1.84E+02 2.66E+02 2.45E+02 2.56E+02 2.47E+02 Median 5.32E+02 1.77E+02 2.66E+02 2.43E+02 2.56E+02 2.47E+02 Median 5.32E+02 1.77E+01 2.13E+02 1.43E+02 1.61E+02 1.66E+02 Std. 1.52E+02 4.33E+01 2.55E+01 4.60E+01 5.03E+01 3.21E+01 Time 1.16E+01 6.08E+01 3.53E+01 2.14E+01 7.03E+00 7.75E+00 Mean 5.84E+02 4.07E+02 1.54E+02 6.98E+02 3.06E+02 4.19E+02 Median 5.77E+02 4.15E+02 1.56E+02 6.93E+02 2.94E+02 4.22E+02 Std. 1.04E+02 6.00E+01 2.87E+01 1.06E+02 8.10E+01 3.81E+01 Time 1.27E+01 6.11E+01 3.98E+01 2.19E+01 7.28E+00 8.81E+00 Mean 3.46E+01 8.60E-02 1.85E+00 5.13E+01 2.65E+00 2.84E+01 Median 3.49E+01 7.96E-02 1.77E+00 5.08E+01 6.26E-01 2.91E+01 Std. 7.94E+00 3.90E-02 5.42E-01 6.99E+00 7.12E+00 5.74E+00 Time 2.22E+01 6.94E+01 4.80E+01 3.03E+01 1.41E+01 1.72E+01 Mean 7.96E+02 6.04E+02 4.69E+02 9.92E+02 2.60E+02 3.30E+02 Median 7.63E+02 6.04E+02 4.69E+02 9.92E+02 2.60E+02 3.30E+02 Median 7.63E+02 6.12E+02 4.64E+02 9.66E+02 2.45E+02 3.30E+02 Median 5.88E+02 4.55E+02 3.18E+01 2.20E+01 7.65E+00 9.03E+00 Mean 5.88E+02 4.55E+02 3.18E+01 2.20E+01 7.65E+00 9.03E+00 Mean 5.88E+02 4.55E+02 3.18E+02 5.34E+02 3.36E+02 4.57E+02 Median 6.01E+02 4.22E+02 1.62E+02 7.19E+02 3.36E+02 4.57E+02 Median 6.01E+02 4.22E+02 1.62E+02 5.34E+02 3.36E+02 4.57E+02 Median 6.01E+02 3.03E+02 1.03E+02 5.34E+02 3.31E+02 4.55E+02 Median 6.01E+02 3.03E+02 1.03E+02 5.34E+02 3.31E+02 4.55E+02 Median 6.01E+02 6.04E+01 6.08E+01 6.09E+01 6.09E+01 6.09E+01	9.28E+01
Std. 9.10E+03 1.51E+04 1.28E+03 2.77E+03 0.00E+00 3.16E+03 Time 1.12E+01 6.19E+01 3.77E+01 2.08E+01 6.74E+00 7.61E+00 Median 5.53E+02 1.84E+02 2.66E+02 2.45E+02 2.5E+02 2.47E+02 Median 5.32E+02 1.77E+02 2.66E+02 2.43E+02 2.52E+02 2.47E+02 4 Best 2.94E+02 7.27E+01 2.13E+02 1.43E+02 1.61E+02 1.66E+02 Std. 1.52E+02 4.33E+01 2.55E+01 4.60E+01 5.03E+01 3.21E+01 Time 1.16E+01 6.08E+01 3.53E+01 2.14E+01 7.03E+00 7.75E+00 Median 5.84E+02 4.07E+02 1.54E+02 6.98E+02 3.06E+02 4.19E+02 Median 5.77E+02 4.15E+02 1.54E+02 6.93E+02 3.06E+02 4.22E+02 Std. 1.04E+02 6.06E+01 2.87E+01 1.06E+02 8.10E+01 3.81E+01 Time 1.27E	7.57E+01
Time 1.12E+01 6.19E+01 3.77E+01 2.08E+01 6.74E+00 7.61E+00 Mean 5.53E+02 1.84E+02 2.66E+02 2.45E+02 2.56E+02 2.47E+02 Median 5.32E+02 1.77E+02 2.66E+02 2.43E+02 2.52E+02 2.47E+02 4 Best 2.94E+02 7.27E+01 2.13E+02 1.43E+02 1.61E+02 1.66E+02 Std. 1.52E+02 4.33E+01 2.55E+01 4.60E+01 5.03E+01 3.21E+01 Time 1.16E+01 6.08E+01 3.53E+01 2.14E+01 7.03E+00 7.75E+00 Mean 5.84E+02 4.07E+02 1.54E+02 6.98E+02 3.06E+02 4.19E+02 Median 5.77E+02 4.15E+02 1.56E+02 6.93E+02 2.94E+02 4.22E+02 Std. 1.04E+02 6.09E+01 2.87E+01 1.06E+02 8.10E+01 3.81E+01 Time 1.27E+01 6.11E+01 3.98E+01 2.19E+01 7.28E+00 8.81E+00 Mean 3.46E+01	1.98E+01 5.60E+01
Mean 5.53E+02 1.84E+02 2.66E+02 2.45E+02 2.56E+02 2.47E+02 4 Best 2.94E+02 1.77E+02 2.66E+02 2.43E+02 2.52E+02 2.47E+02 4 Best 2.94E+02 7.27E+01 2.13E+02 1.43E+02 1.61E+02 1.66E+02 Std. 1.52E+02 4.33E+01 2.55E+01 4.60E+01 5.03E+01 3.21E+01 Time 1.16E+01 6.08E+01 3.53E+01 2.14E+01 7.03E+00 7.75E+00 Mean 5.84E+02 4.07E+02 1.54E+02 6.98E+02 3.06E+02 4.19E+02 Median 5.77E+02 4.15E+02 1.56E+02 6.93E+02 2.94E+02 4.22E+02 5 Best 3.88E+02 2.69E+02 9.35E+01 1.06E+02 8.10E+01 3.81E+01 Time 1.27E+01 6.11E+01 3.98E+01 2.19E+01 7.28E+00 8.81E+00 Mean 3.46E+01 8.60E-02 1.85E+00 5.13E+01 2.65E+00 2.84E+01 Median 3.49E+01	7.64E+00
Median	2.14E+02
Std. 1.52E+02 4.33E+01 2.55E+01 4.60E+01 5.03E+01 3.21E+01 Time 1.16E+01 6.08E+01 3.53E+01 2.14E+01 7.03E+00 7.75E+00 Mean 5.84E+02 4.07E+02 1.54E+02 6.98E+02 3.06E+02 4.19E+02 Median 5.77E+02 4.15E+02 1.56E+02 6.93E+02 2.94E+02 4.22E+02 5 Best 3.88E+02 2.69E+02 9.35E+01 4.86E+02 1.30E+02 2.86E+02 Std. 1.04E+02 6.00E+01 2.87E+01 1.06E+02 8.10E+01 3.81E+01 Time 1.27E+01 6.11E+01 3.98E+01 2.19E+01 7.28E+00 8.81E+00 Mean 3.46E+01 8.60E-02 1.85E+00 5.13E+01 2.65E+00 2.84E+01 Median 3.49E+01 7.96E-02 1.77E+00 5.08E+01 6.26E-01 2.91E+01 Std. 7.94E+00 3.90E-02 5.42E-01 6.99E+00 7.12E+00 5.74E+00 Time 2.22E+01	2.15E+02
Time 1.16E+01 6.08E+01 3.53E+01 2.14E+01 7.03E+00 7.75E+00 Mean 5.84E+02 4.07E+02 1.54E+02 6.98E+02 3.06E+02 4.19E+02 Median 5.77E+02 4.15E+02 1.56E+02 6.93E+02 2.94E+02 4.22E+02 5 Best 3.88E+02 2.69E+02 9.35E+01 4.86E+02 1.30E+02 2.86E+02 Std. 1.04E+02 6.00E+01 2.87E+01 1.06E+02 8.10E+01 3.81E+01 Time 1.27E+01 6.11E+01 3.98E+01 2.19E+01 7.28E+00 8.81E+00 Mean 3.46E+01 8.60E-02 1.85E+00 5.13E+01 2.65E+00 2.84E+01 Median 3.49E+01 7.96E-02 1.77E+00 5.08E+01 6.26E-01 2.91E+01 Std. 7.94E+00 3.90E-02 5.42E-01 6.99E+00 7.12E+00 5.74E+00 Time 2.22E+01 6.94E+01 4.80E+01 3.03E+01 1.41E+01 1.72E+01 Median 7.65E+	1.68E+02
Mean 5.84E+02 4.07E+02 1.54E+02 6.98E+02 3.06E+02 4.19E+02 Median 5.77E+02 4.15E+02 1.56E+02 6.93E+02 2.94E+02 4.2E+02 5 Best 3.88E+02 2.69E+02 9.35E+01 4.86E+02 1.30E+02 2.86E+02 Std. 1.04E+02 6.00E+01 2.87E+01 1.06E+02 8.10E+01 3.81E+01 Time 1.27E+01 6.11E+01 3.98E+01 2.19E+01 7.28E+00 8.81E+00 Mean 3.46E+01 8.60E-02 1.85E+00 5.13E+01 2.65E+00 2.84E+01 Median 3.49E+01 7.96E-02 1.77E+00 5.08E+01 6.26E-01 2.91E+01 Std. 7.94E+00 3.90E-02 1.05E+00 3.71E+01 1.36E-05 1.19E+01 Mean 7.96E+00 3.90E-02 5.42E-01 6.99E+00 7.12E+00 5.74E+00 Mean 7.96E+00 3.90E-02 5.42E-01 4.99E+00 7.12E+00 5.74E+00 Median 7.65E+0	2.71E+01
Median 5.77E+02 4.15E+02 1.56E+02 6.93E+02 2.94E+02 4.22E+02 Std. 1.04E+02 6.00E+01 2.87E+01 1.06E+02 8.10E+01 3.81E+01 Time 1.27E+01 6.11E+01 3.98E+01 2.19E+01 7.28E+00 8.81E+00 Mean 3.46E+01 8.60E-02 1.85E+00 5.13E+01 2.65E+00 2.84E+01 Median 3.49E+01 7.96E-02 1.77E+00 5.08E+01 6.26E-01 2.91E+01 Std. 7.94E+00 3.90E-02 5.42E-01 6.99E+00 7.12E+00 5.74E+00 Time 2.22E+01 6.94E+01 4.80E+01 3.03E+01 1.41E+01 1.72E+01 Mean 7.96E+02 6.04E+02 4.69E+02 9.92E+02 2.60E+02 3.30E+02 Median 7.63E+02 6.12E+02 4.64E+02 9.66E+02 2.45E+02 3.30E+02 Time 1.27E+01 6.13E+01 8.00E+01 1.89E+02 6.95E+01 2.26E+01 Time 1.27E+01 6.13E+01 3.85E+01 2.20E+01 7.65E+00 9.03E+00 Mean 5.88E+02 4.16E+02 1.62E+02 7.19E+02 3.36E+02 4.57E+02 Mean 5.88E+02 4.16E+02 1.62E+02 7.19E+02 3.31E+02 4.57E+02 Mean 5.88E+02 4.16E+02 1.62E+02 5.34E+02 3.31E+02 4.57E+02 Median 6.01E+02 3.03E+02 1.03E+02 5.34E+02 3.31E+02 4.55E+02 Std. 9.23E+01 5.77E+01 2.67E+01 1.21E+02 8.41E+01 3.05E+01 Time 1.25E+01 6.17E+01 3.87E+01 2.18E+01 7.78E+00 9.23E+00	8.24E+00
5 Best Std. 3.88E+02 (1.04E+02) 2.69E+02 (2.69E+02) 9.35E+01 (2.87E+01) 4.86E+02 (1.06E+02) 1.30E+02 (2.86E+02) 2.86E+02 (3.81E+01) Time 1.27E+01 6.11E+01 (3.98E+01) 2.87E+01 (1.06E+02) 8.10E+01 (3.81E+01) 3.81E+01 Mean 3.46E+01 (3.49E+01) 8.60E-02 (1.85E+00) 5.13E+01 (2.65E+00) 2.84E+01 Median 3.49E+01 (7.96E+02) 1.77E+00 (5.08E+01) 6.26E-01 (2.91E+01) 2.91E+01 6 Best (1.39E+01) (3.73E+02 (1.05E+00) (3.71E+01) 3.71E+01 (1.36E+05 (1.19E+01) 1.19E+01 (3.98E+01) 5.74E+00 (5.74E+00) 5.74E+00 (5.74E+00) 5.74E+00 (5.74E+00) 5.74E+00 (5.74E+00) 5.74E+00 (5.74E+00) 5.74E+00 (5.74E+01) 3.30E+01 (5.74E+01) 3.30E+02 (5.74E+01) 3.30E+02 (5.74E+02) 3.30E+0	1.64E+02 1.59E+02
Std. 1.04E+02 6.00E+01 2.87E+01 1.06E+02 8.10E+01 3.81E+01 Time 1.27E+01 6.11E+01 3.98E+01 2.19E+01 7.28E+00 8.81E+00 Mean 3.46E+01 8.60E-02 1.85E+00 5.13E+01 2.65E+00 2.84E+01 Median 3.49E+01 7.96E-02 1.77E+00 5.08E+01 6.26E-01 2.91E+01 Std. 7.94E+00 3.73E-02 1.05E+00 3.71E+01 1.36E-05 1.19E+01 Std. 7.94E+00 3.90E-02 5.42E-01 6.99E+00 7.12E+00 5.74E+00 Time 2.22E+01 6.94E+01 4.80E+01 3.03E+01 1.41E+01 1.72E+01 Mean 7.96E+02 6.04E+02 4.69E+02 9.92E+02 2.60E+02 3.30E+02 Median 7.63E+02 6.12E+02 4.64E+02 9.66E+02 2.45E+02 3.30E+02 Std. 1.41E+02 7.09E+01 8.00E+01 1.89E+02 6.95E+01 2.26E+01 Time 1.27E+01 6	1.23E+02
Time 1.27E+01 6.11E+01 3.98E+01 2.19E+01 7.28E+00 8.81E+00 Mean 3.46E+01 8.60E+02 1.85E+00 5.13E+01 2.65E+00 2.84E+01 Median 3.49E+01 7.96E+02 1.77E+00 5.08E+01 6.26E+01 2.91E+01 6 Best 1.39E+01 3.73E+02 1.05E+00 3.71E+01 1.36E+05 1.19E+01 Std. 7.94E+00 3.90E+02 5.42E+01 6.99E+00 7.12E+00 5.74E+00 Time 2.22E+01 6.94E+01 4.80E+01 3.03E+01 1.41E+01 1.72E+01 Mean 7.96E+02 6.04E+02 4.69E+02 9.92E+02 2.60E+02 3.30E+02 Median 7.63E+02 6.12E+02 4.64E+02 9.66E+02 2.45E+02 3.30E+02 Std. 1.41E+02 7.09E+01 8.00E+01 1.89E+02 6.95E+01 2.26E+01 Time 1.27E+01 6.13E+01 3.85E+01 2.20E+01 7.65E+00 9.03E+00 Mean 5.88E+02	2.50E+01
Median 3.49E+01 7.96E-02 1.77E+00 5.08E+01 6.26E-01 2.91E+01 6 Best 1.39E+01 3.73E-02 1.05E+00 3.71E+01 1.36E-05 1.19E+01 Std. 7.94E+00 3.90E-02 5.42E-01 6.99E+00 7.12E+00 5.74E+00 Time 2.22E+01 6.94E+01 4.80E+01 3.03E+01 1.41E+01 1.72E+01 Mean 7.96E+02 6.04E+02 4.69E+02 9.92E+02 2.60E+02 3.30E+02 Median 7.63E+02 6.12E+02 4.64E+02 9.66E+02 2.45E+02 3.30E+02 Std. 1.41E+02 7.09E+01 8.00E+01 1.89E+02 6.95E+01 2.26E+01 Time 1.27E+01 6.13E+01 3.85E+01 2.20E+01 7.65E+00 9.03E+00 Median 5.88E+02 4.16E+02 1.62E+02 7.19E+02 3.31E+02 4.57E+02 Median 6.01E+02 3.03E+02 1.62E+02 7.19E+02 3.31E+02 4.55E+02 8 Best <td>9.13E+00</td>	9.13E+00
6 Best 1.39E+01 3.73E-02 1.05E+00 3.71E+01 1.36E-05 1.19E+01 Std. 7.94E+00 3.90E-02 5.42E-01 6.99E+00 7.12E+00 5.74E+00 5.74E+00 Time 2.22E+01 6.94E+01 4.80E+01 3.03E+01 1.41E+01 1.72E+01 Mean 7.96E+02 6.04E+02 4.69E+02 9.92E+02 2.60E+02 3.30E+02 Median 7.63E+02 6.12E+02 4.64E+02 9.66E+02 2.45E+02 3.30E+02 Std. 1.41E+02 7.09E+01 8.00E+01 1.89E+02 6.95E+01 2.26E+01 Time 1.27E+01 6.13E+01 3.85E+01 2.20E+01 7.65E+00 9.03E+00 Median 6.01E+02 4.22E+02 1.62E+02 3.36E+02 3.36E+02 4.57E+02 8 Best 4.10E+02 4.22E+02 1.62E+02 5.34E+02 3.36E+02 4.57E+02 8 Best 4.10E+02 3.03E+02 1.62E+02 5.34E+02 3.31E+02 4.55E+02 8 Best 4.10E+02 3.03E+02 5.34E+02 1.72E+02 3.98E+02 Std. 9.23E+01 5.77E+01 2.67E+01 1.21E+02 8.41E+01 3.05E+01 Time 1.25E+01 6.17E+01 3.87E+01 2.18E+01 7.78E+00 9.23E+00	3.59E+00
Std. 7.94E+00 3.90E-02 5.42E-01 6.99E+00 7.12E+00 5.74E+00 Time 2.22E+01 6.94E+01 4.80E+01 3.03E+01 1.41E+01 1.72E+01 Mean 7.96E+02 6.04E+02 4.69E+02 9.92E+02 2.60E+02 3.30E+02 Median 7.63E+02 6.12E+02 4.64E+02 9.66E+02 2.45E+02 3.30E+02 7 Best 4.88E+02 4.55E+02 3.18E+02 6.2TE+02 1.42E+02 2.98E+02 Std. 1.41E+02 7.09E+01 8.00E+01 1.89E+02 6.95E+01 2.26E+01 Time 1.27E+01 6.13E+01 3.85E+01 2.20E+01 7.65E+00 9.03E+00 Mean 5.88E+02 4.16E+02 1.62E+02 7.19E+02 3.36E+02 4.57E+02 Median 6.01E+02 4.22E+02 1.62E+02 5.34E+02 3.31E+02 4.55E+02 8 Best 4.10E+02 3.03E+02 5.34E+02 1.72E+02 3.98E+02 Std. 9.23E+01	3.09E+00
Time 2.22E+01 6.94E+01 4.80E+01 3.03E+01 1.41E+01 1.72E+01 Mean 7.96E+02 6.04E+02 4.69E+02 9.92E+02 2.60E+02 3.30E+02 Median 7.63E+02 6.12E+02 4.64E+02 9.66E+02 2.45E+02 3.30E+02 7 Best 4.88E+02 4.55E+02 3.18E+02 6.27E+02 1.42E+02 2.98E+02 Std. 1.41E+02 7.09E+01 8.00E+01 1.89E+02 6.95E+01 2.26E+01 Time 1.27E+01 6.13E+01 3.85E+01 2.20E+01 7.65E+00 9.03E+00 Mean 5.88E+02 4.16E+02 1.62E+02 7.19E+02 3.36E+02 4.57E+02 Median 6.01E+02 4.22E+02 1.62E+02 6.98E+02 3.31E+02 4.55E+02 8 Best 4.10E+02 3.03E+02 5.34E+02 1.72E+02 3.98E+02 Std. 9.23E+01 5.77E+01 2.67E+01 1.21E+02 8.41E+01 3.05E+01 Time 1.25E+01	2.14E-01
Mean 7.96E+02 6.04E+02 4.69E+02 9.92E+02 2.60E+02 3.30E+02 7 Best 4.88E+02 4.55E+02 3.18E+02 6.27E+02 1.42E+02 2.98E+02 Std. 1.41E+02 7.09E+01 8.00E+01 1.89E+02 6.95E+01 2.26E+01 Time 1.27E+01 6.13E+01 3.85E+01 2.20E+01 7.65E+00 9.03E+00 Mean 5.88E+02 4.16E+02 1.62E+02 7.19E+02 3.36E+02 4.57E+02 Median 6.01E+02 4.22E+02 1.62E+02 6.98E+02 3.31E+02 4.55E+02 8 Best 4.10E+02 3.03E+02 1.03E+02 5.34E+02 1.72E+02 3.98E+02 Std. 9.23E+01 5.77E+01 2.67E+01 1.21E+02 8.41E+01 3.05E+01 Time 1.25E+01 6.17E+01 3.87E+01 2.18E+01 7.78E+00 9.23E+00	2.74E+00 1.74E+01
Median	2.00E+02
Std. 1.41E+02 7.09E+01 8.00E+01 1.89E+02 6.95E+01 2.26E+01 Time 1.27E+01 6.13E+01 3.85E+01 2.20E+01 7.65E+00 9.03E+00 Mean 5.88E+02 4.16E+02 1.62E+02 7.19E+02 3.36E+02 4.57E+02 Median 6.01E+02 4.22E+02 1.62E+02 6.98E+02 3.31E+02 4.55E+02 8 Best 4.10E+02 3.03E+02 5.34E+02 1.72E+02 3.98E+02 Std. 9.23E+01 5.77E+01 2.67E+01 1.21E+02 8.41E+01 3.05E+01 Time 1.25E+01 6.17E+01 3.87E+01 2.18E+01 7.78E+00 9.23E+00	1.98E+02
Time 1.27E+01 6.13E+01 3.85E+01 2.20E+01 7.65E+00 9.03E+00 Mean 5.88E+02 4.16E+02 1.62E+02 7.19E+02 3.36E+02 4.57E+02 Median 6.01E+02 4.22E+02 1.62E+02 6.98E+02 3.31E+02 4.55E+02 8 Best 4.10E+02 3.03E+02 1.03E+02 5.34E+02 1.72E+02 3.98E+02 Std. 9.23E+01 5.77E+01 2.67E+01 1.21E+02 8.41E+01 3.05E+01 Time 1.25E+01 6.17E+01 3.87E+01 2.18E+01 7.78E+00 9.23E+00	1.70E+02
Mean 5.88E+02 4.16E+02 1.62E+02 7.19E+02 3.36E+02 4.57E+02 Median 6.01E+02 4.22E+02 1.62E+02 6.98E+02 3.31E+02 4.55E+02 8 Best 4.10E+02 3.03E+02 1.03E+02 5.34E+02 1.72E+02 3.98E+02 Std. 9.23E+01 5.77E+01 2.67E+01 1.21E+02 8.41E+01 3.05E+01 Time 1.25E+01 6.17E+01 3.87E+01 2.18E+01 7.78E+00 9.23E+00	1.51E+01
Median 6.01E+02 4.22E+02 1.62E+02 6.98E+02 3.31E+02 4.55E+02 8 Best 4.10E+02 3.03E+02 1.03E+02 5.34E+02 1.72E+02 3.98E+02 Std. 9.23E+01 5.77E+01 2.67E+01 1.21E+02 8.41E+01 3.05E+01 Time 1.25E+01 6.17E+01 3.87E+01 2.18E+01 7.78E+00 9.23E+00	8.92E+00
8 Best 4.10E+02 3.03E+02 1.03E+02 5.34E+02 1.72E+02 3.98E+02 Std. 9.23E+01 5.77E+01 2.67E+01 1.21E+02 8.41E+01 3.05E+01 Time 1.25E+01 6.17E+01 3.87E+01 2.18E+01 7.78E+00 9.23E+00	1.67E+02 1.65E+02
Std. 9.23E+01 5.77E+01 2.67E+01 1.21E+02 8.41E+01 3.05E+01 Time 1.25E+01 6.17E+01 3.87E+01 2.18E+01 7.78E+00 9.23E+00	1.14E+02
	2.34E+01
Mean 2.05E+04 1.00E+04 8.46E+02 2.88E+04 5.94E+03 1.28E+04	8.93E+00
	1.68E+03
Median 2.13E+04 8.99E+03 8.18E+02 2.61E+04 2.74E+03 1.34E+04 9 Best 7.63E+03 3.80E+03 2.15E+02 1.75E+04 0.00E+00 5.13E+03	1.33E+03 0.00E+00
Std. 5.54E+03 6.56E+03 2.63E+02 6.94E+03 8.67E+03 2.36E+03	1.68E+03
Time 1.41E+01 6.25E+01 3.95E+01 2.20E+01 7.79E+00 9.01E+00	8.89E+00
Mean 1.35E+04 1.18E+04 1.20E+04 1.36E+04 1.25E+04 1.03E+04	8.35E+03
Median 1.34E+04 1.16E+04 1.19E+04 1.34E+04 1.23E+04 1.05E+04	8.12E+03
10 Best 1.09E+04 9.62E+03 8.94E+03 1.05E+04 9.18E+03 8.78E+03	5.96E+03
Std. 1.35E+03 1.15E+03 1.22E+03 1.05E+03 1.83E+03 5.63E+02 Time 1.82E+01 6.81E+01 4.48E+01 2.64E+01 1.26E+01 1.40E+01	1.20E+03 1.41E+01
Mean 1.39E+03 4.55E+02 7.39E+02 1.28E+03 1.21E+03 1.12E+03	8.30E+02
Median 1.30E+03 3.40E+02 7.20E+02 1.25E+03 1.21E+03 1.14E+03	8.14E+02
11 Best 8.31E+02 1.72E+02 4.45E+02 8.69E+02 8.73E+02 7.56E+02	5.98E+02
Std. 3.80E+02 5.44E+02 1.79E+02 2.13E+02 1.86E+02 1.46E+02	1.01E+02
Time 1.27E+01 6.15E+01 3.70E+01 2.10E+01 7.41E+00 8.61E+00	8.68E+00
Mean 3.60E+07 4.36E+05 2.25E+06 1.56E+07 8.82E+06 8.49E+06 Median 2.27E+07 3.45E+05 1.90E+06 1.47E+07 8.57E+06 7.61E+06	6.74E+06 6.39E+06
12 Best 6.82E+05 1.24E+05 4.12E+05 4.46E+06 1.57E+06 2.20E+06	1.71E+06
Std. 5.02E+07 3.08E+05 1.63E+06 5.60E+06 4.76E+06 4.29E+06	2.89E+06
Time 1.50E+01 6.42E+01 4.07E+01 2.37E+01 9.84E+00 1.04E+01	1.04E+01
Mean 5.08E+03 6.23E+03 4.00E+03 5.94E+04 5.94E+04 2.55E+04	2.21E+04
Median 2.28E+03 3.95E+03 2.83E+03 5.64E+04 5.43E+04 2.47E+04	2.19E+04
13 Best 3.99E+02 2.47E+02 2.71E+02 2.83E+04 1.79E+04 1.64E+04	1.18E+04
Std. 6.16E+03 7.23E+03 3.80E+03 1.74E+04 2.29E+04 4.58E+03 Time 1.20E+01 6.17E+01 3.98E+01 2.18E+01 7.64E+00 8.31E+00	5.20E+03 8.23E+00
Mean 1.19E+06 3.07E+04 1.04E+05 1.06E+05 7.60E+04 9.61E+04	7.18E+04
Median 4.17E+05 2.17E+04 9.80E+04 9.12E+04 6.86E+04 9.86E+04	7.22E+04
14 Best 1.40E+05 3.19E+03 2.07E+04 1.78E+04 1.72E+04 3.15E+04	2.80E+04
Std. 1.67E+06 2.31E+04 5.19E+04 5.32E+04 3.43E+04 3.60E+04	2.23E+04
Time 1.60E+01 6.58E+01 4.09E+01 2.41E+01 1.01E+01 1.07E+01	1.06E+01
Mean 4.47E+03 2.56E+03 1.81E+03 5.56E+04 5.88E+04 1.83E+04 Median 3.00E+03 1.33E+03 1.21E+03 5.18E+04 5.20E+04 1.91E+04	1.62E+04 1.53E+04
15 Best 3.65E+02 2.46E+02 3.23E+02 1.64E+04 2.16E+04 9.85E+03	8.42E+03
Std. 4.38E+03 2.76E+03 1.80E+03 2.12E+04 2.48E+04 4.00E+03	5.07E+03
Time 1.18E+01 5.90E+01 3.82E+01 2.16E+01 7.27E+00 8.11E+00	

	Mean	4.19E+03	3.43E+03	2.83E+03	3.87E+03	3.69E+03	2.65E+03	2.15E+03
	Median	4.17E+03	3.31E+03	2.87E+03	3.87E+03	3.62E+03	2.66E+03	2.15E+03
16	Best	1.87E+03	2.07E+03	1.36E+03	2.47E+03	2.52E+03	1.73E+03	8.89E+02
	Std.	7.08E+02	7.44E+02	5.80E+02	8.29E+02	7.20E+02	3.60E+02	4.79E+02
	Time	1.42E+01	5.99E+01	3.92E+01	2.29E+01	9.06E+00	1.02E+01	1.02E+01
	Mean	3.30E+03	2.65E+03	2.66E+03	3.00E+03	3.09E+03	1.93E+03	1.79E+03
	Median	3.26E+03	2.63E+03	2.61E+03	2.93E+03	2.97E+03	1.94E+03	1.78E+03
17	Best	2.39E+03	1.10E+03	1.38E+03	2.05E+03	2.26E+03	1.31E+03	1.20E+03
1,	Std.	4.87E+02	5.81E+02	4.84E+02	5.09E+02	5.00E+02	2.26E+02	2.69E+02
		1		1	1	1		
	Time	1.78E+01	6.49E+01	4.47E+01	2.68E+01	1.16E+01	1.36E+01	1.40E+01
	Mean	1.28E+06	9.45E+04	2.58E+05	2.88E+05	2.11E+05	2.44E+05	1.43E+05
	Median	1.14E+06	8.11E+04	2.39E+05	2.84E+05	2.17E+05	2.43E+05	1.41E+05
18	Best	1.47E+05	2.38E+04	7.40E+04	1.32E+05	1.19E+05	1.06E+05	7.93E+04
	Std.	8.10E+05	5.32E+04	1.12E+05	8.78E+04	6.06E+04	7.24E+04	3.38E+04
	Time	1.43E+01	6.13E+01	3.97E+01	2.21E+01	7.79E+00	9.17E+00	9.83E+00
	Mean	3.84E+03	2.85E+03	2.23E+03	6.04E+05	3.99E+05	3.30E+05	2.30E+05
	Median	1.76E+03	1.29E+03	1.22E+03	5.83E+05	4.02E+05	3.35E+05	2.12E+05
19	Best	1.89E+02	1.56E+02	1.69E+02	2.53E+05	1.50E+05	7.26E+04	3.76E+04
	Std.	4.91E+03	4.54E+03	2.41E+03	1.76E+05	1.32E+05	1.10E+05	1.03E+05
	Time	3.79E+01	8.33E+01	6.32E+01	4.71E+01	3.28E+01	3.44E+01	3.82E+01
	Mean	2.90E+03	2.41E+03	1.90E+03	3.01E+03	3.14E+03	2.09E+03	2.04E+03
20	Median	2.87E+03	2.40E+03	1.92E+03	3.04E+03	3.04E+03	2.11E+03	2.04E+03
20	Best	1.88E+03	1.06E+03	8.46E+02	1.95E+03	1.94E+03	1.50E+03	1.34E+03
	Std.	4.53E+02	5.65E+02	4.00E+02	3.92E+02	5.68E+02	2.35E+02	3.40E+02
	Time	1.86E+01	6.45E+01	4.45E+01	2.79E+01	1.32E+01	1.53E+01	1.46E+01
	Mean	8.61E+02	6.60E+02	3.88E+02	9.84E+02	6.53E+02	7.72E+02	4.07E+02
	Median	8.50E+02	6.53E+02	3.89E+02	9.63E+02	6.45E+02	7.73E+02	4.07E+02
21	Best	6.54E+02	5.47E+02	3.29E+02	7.47E+02	4.94E+02	6.65E+02	3.60E+02
	Std.	1.21E+02	6.34E+01	2.57E+01	1.26E+02	1.03E+02	4.17E+01	2.54E+01
	Time	3.22E+01	8.05E+01	6.12E+01	4.25E+01	2.72E+01	2.95E+01	3.10E+01
	Mean	1.51E+04	1.35E+04	1.31E+04	1.51E+04	1.45E+04	1.20E+04	1.04E+04
	Median	1.51E+04	1.34E+04	1.31E+04	1.51E+04	1.44E+04	1.23E+04	1.03E+04
22	Best	9.32E+03	1.16E+04	1.01E+04	1.24E+04	1.16E+04	1.00E+02	6.40E+03
	Std.	1.61E+03	8.91E+02	1.59E+03	1.28E+03	1.35E+03	1.82E+03	1.22E+03
	Time	3.93E+01	8.56E+01	6.54E+01	4.80E+01	3.19E+01	3.67E+01	3.77E+01
	Mean	1.27E+03	8.54E+02	6.61E+02	1.38E+03	1.46E+03	1.35E+03	9.61E+02
		1	8.49E+02	6.62E+02	1.38E+03			9.52E+02
23	Median	1.27E+03				1.39E+03	1.37E+03	
23	Best	1.02E+03	7.44E+02	6.14E+02	1.12E+03	1.21E+03	1.19E+03	8.30E+02
	Std.	1.21E+02	6.39E+01	2.25E+01	1.33E+02	1.79E+02	6.13E+01	5.84E+01
	Time	4.76E+01	9.16E+01	7.67E+01	5.64E+01	3.96E+01	4.30E+01	4.20E+01
	Mean	1.72E+03	1.39E+03	1.04E+03	1.88E+03	1.98E+03	1.76E+03	1.17E+03
	Median	1.73E+03	1.40E+03	1.04E+03	1.87E+03	1.91E+03	1.77E+03	1.18E+03
24	Best	1.35E+03	1.22E+03	9.82E+02	1.54E+03	1.50E+03	1.49E+03	1.01E+03
	Std.	2.37E+02	6.92E+01	3.21E+01	1.94E+02	4.01E+02	8.84E+01	6.52E+01
	Time	4.52E+01	8.97E+01	7.44E+01	5.45E+01	3.67E+01	4.16E+01	4.32E+01
-	Mean	1.22E+03	7.57E+02	7.87E+02	7.42E+02	8.12E+02	7.62E+02	6.68E+02
	Median	1.22E+03	7.56E+02	7.92E+02	7.42E+02	8.16E+02	7.56E+02	6.68E+02
25	Best	8.80E+02	5.77E+02	6.68E+02	6.11E+02	6.71E+02	6.27E+02	5.59E+02
	Std.	1.50E+02	7.69E+01	5.40E+01	5.91E+01	6.52E+01	7.11E+01	5.89E+01
	Time	4.91E+01	9.30E+01	7.70E+01	5.83E+01	4.15E+01	4.51E+01	4.30E+01
-	Mean	9.94E+03	8.25E+03	4.83E+03	1.29E+04	9.77E+03	1.06E+04	4.87E+03
	Median	1.01E+04	8.45E+03	4.80E+03	1.25E+04	9.53E+03	1.05E+04	4.76E+03
26	Best	3.00E+02	3.00E+02	4.28E+03	1.01E+04	7.37E+03	9.18E+03	4.70E+03 4.30E+03
20				2.58E+02	1.60E+03			4.50E+03 3.61E+02
	Std.	3.47E+03 5.51E+01	2.51E+03			1.52E+03	7.04E+02 5.63E+01	
	Time		1.04E+02	8.70E+01	6.64E+01	4.85E+01		5.25E+01
	Mean	5.32E+02	8.13E+02	6.91E+02	1.06E+03	1.20E+03	9.57E+02	6.73E+02
	Median	5.00E+02	7.98E+02	6.89E+02	1.05E+03	1.18E+03	9.58E+02	6.72E+02
27	Best	5.00E+02	6.99E+02	6.12E+02	7.89E+02	8.64E+02	8.03E+02	6.13E+02
	Std.	1.27E+02	7.78E+01	3.72E+01	1.41E+02	1.97E+02	6.53E+01	2.84E+01
	Time	6.61E+01	1.14E+02	9.03E+01	7.55E+01	5.85E+01	6.37E+01	6.60E+01
	Mean	9.68E+02	5.48E+02	5.96E+02	5.99E+02	6.40E+02	6.00E+02	5.71E+02
	Median	9.66E+02	5.45E+02	5.91E+02	5.86E+02	6.54E+02	5.99E+02	5.73E+02
28	Best	7.64E+02	4.96E+02	5.40E+02	5.27E+02	5.33E+02	5.02E+02	5.29E+02
	Std.	1.01E+02	2.31E+01	3.08E+01	4.79E+01	5.72E+01	4.41E+01	2.09E+01
	Time	5.89E+01	1.08E+02	8.97E+01	7.01E+01	5.28E+01	5.75E+01	5.52E+01
	Mean	3.38E+03	3.34E+03	2.95E+03	4.70E+03	4.75E+03	3.71E+03	3.04E+03
	Median	3.35E+03	3.37E+03	3.06E+03	4.69E+03	4.65E+03	3.72E+03	3.03E+03
29		2.35E+03		1.92E+03	1			
47	Best		2.20E+03	l .	3.41E+03	3.36E+03	2.98E+03	1.98E+03
	Std.	5.38E+02	5.50E+02	5.46E+02	6.89E+02	6.42E+02	3.35E+02	4.06E+02
	Time	4.09E+01	8.77E+01	6.68E+01	4.79E+01	3.19E+01	3.57E+01	3.58E+01
	Mean	4.45E+03	6.22E+03	7.14E+03	3.25E+06	3.13E+06	3.51E+06	2.00E+06
	Median	2.89E+03	4.35E+03	6.24E+03	3.19E+06	2.74E+06	3.18E+06	1.97E+06
30	Best	6.19E+02	2.65E+03	2.92E+03	1.48E+06	1.24E+06	1.71E+06	1.14E+06
	Std.	3.78E+03	4.23E+03	3.51E+03	1.07E+06	1.78E+06	1.17E+06	5.24E+05
	Time	6.02E+01	1.09E+02	8.56E+01	6.79E+01	5.18E+01	5.66E+01	5.57E+01
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TABLE S-X: COMPARISIONS WITH WINNERS ON CEC 2017 IN 10-D CASE

Func	D=10	JSO	RB-IPOP-	DYYPO	TLBO-FL	PPSO	MOS-SOCO	EBOwith	CMA-ES	JADE	LoTFWA	PC-FWA
			CMA-ES				2011	CMAR				
	Mean Median	0.00E+00 0.00E+00	0.00E+00 0.00E+00	2.86E+03 1.81E+03	2.02E+03 1.28E+03	2.39E+02 2.03E+02	6.92E+02 3.55E+02	0.00E+00 0.00E+00	0.00E+00 0.00E+00	3.04E+00 2.02E+00	4.33E+02 1.72E+02	7.14E+01 2.04E+01
1	Best	0.00E+00 0.00E+00	0.00E+00 0.00E+00	4.62E+00	3.32E+00	1.40E+00	6.18E-02	0.00E+00	0.00E+00	1.99E-01	1.72E+02 1.22E-02	1.57E-02
	Std.	0.00E+00	0.00E+00	3.27E+03	2.46E+03	2.01E+02	9.20E+02	0.00E+00	0.00E+00	3.67E+00	5.98E+02	1.35E+02
	Mean	0.00E+00	0.00E+00	0.00E+00	1.96E-02	0.00E+00	5.25E-03	0.00E+00	1.14E-08	1.65E-05	2.55E+01	3.82E+01
2	Median	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.99E-03	0.00E+00	0.00E+00	8.06E-06	1.36E+01	3.81E+01
- 1	Best	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.75E-07	0.00E+00	0.00E+00	3.85E-07	1.30E-04	4.07E-05
	Std.	0.00E+00	0.00E+00	0.00E+00	1.40E-01	0.00E+00	3.97E-03	0.00E+00	3.17E-08	2.18E-05	3.44E+01	3.24E+01
	Mean Median	0.00E+00 0.00E+00	0.00E+00 0.00E+00	1.17E-05 9.56E-07	1.11E-04 1.50E-08	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	1.21E-05 1.21E-06	2.52E-06 1.80E-06	8.81E-07 5.40E-07
3	Best	0.00E+00	0.00E+00	7.41E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.37E-08	5.33E-08	2.70E-08
	Std.	0.00E+00	0.00E+00	4.30E-05	7.84E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.42E-05	2.52E-06	9.58E-07
	Mean	0.00E+00	0.00E+00	2.07E+00	3.03E+00	1.20E+00	6.26E-04	0.00E+00	0.00E+00	4.35E-02	1.69E+00	2.72E+00
4	Median	0.00E+00	0.00E+00	9.21E-01	3.29E+00	1.03E+00	8.17E-06	0.00E+00	0.00E+00	1.68E-02	1.73E+00	2.79E+00
	Best	0.00E+00	0.00E+00	1.01E-02	1.54E-01	1.37E-02	3.18E-06	0.00E+00	0.00E+00	5.49E-04	2.51E-04	1.13E+00
-	Std. Mean	0.00E+00 1.76E+00	0.00E+00 1.58E+00	8.25E+00 1.12E+01	1.17E+00 8.75E+00	9.36E-01 1.81E+01	3.21E-03 6.94E+00	0.00E+00 0.00E+00	0.00E+00 1.31E+02	6.54E-02 1.01E+01	1.05E+00 9.35E+00	7.06E-01 4.88E+00
	Median	1.70E+00 1.99E+00	9.95E-01	1.09E+01	7.20E+00	1.89E+01	6.87E+00	0.00E+00	1.31E+02 1.31E+02	1.01E+01 1.02E+01	8.97E+00	4.97E+00
5	Best	0.00E+00	0.00E+00	5.28E+00	2.00E+00	5.97E+00	3.07E+00	0.00E+00	1.11E+02	5.97E+00	3.98E+00	9.95E-01
	Std.	7.60E-01	1.96E+00	4.23E+00	5.57E+00	5.10E+00	2.24E+00	0.00E+00	3.17E+00	1.73E+00	3.07E+00	2.03E+00
	Mean	0.00E+00	2.01E-07	6.36E-05	8.39E-08	2.26E-01	0.00E+00	0.00E+00	5.76E+01	8.07E-03	1.34E-03	7.06E-05
6	Median	0.00E+00	7.91E-08	3.21E-05	0.00E+00	4.00E-06	0.00E+00	0.00E+00	5.72E+01	7.94E-03	1.83E-04	2.84E-05
	Best	0.00E+00 0.00E+00	1.87E-08	1.45E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00 0.00E+00	4.97E+01	4.51E-03 1.68E-03	3.42E-05	7.75E-06
	Std. Mean	0.00E+00 1.18E+01	6.21E-07 1.01E+01	6.02E-05 2.18E+01	4.43E-07 2.76E+01	3.08E-01 1.69E+01	0.00E+00 1.90E+01	0.00E+00 1.06E+01	1.41E+00 1.10E+02	1.68E-03 2.23E+01	3.68E-03 1.93E+01	1.60E-04 1.30E+01
_	Median	1.18E+01	1.08E+01	2.13E+01	2.67E+01	1.71E+01	1.89E+01	1.05E+01	1.10E+02 1.12E+02	2.24E+01	2.02E+01	1.27E+01
7	Best	1.07E+01	6.43E-07	5.97E+00	1.99E+01	8.52E+00	1.31E+01	1.04E+01	3.50E+01	1.79E+01	6.89E+00	5.07E+00
	Std.	6.07E-01	2.69E+00	6.02E+00	3.97E+00	2.21E+00	3.05E+00	1.75E-01	1.11E+01	2.41E+00	4.70E+00	1.98E+00
	Mean	1.95E+00	1.97E+00	1.32E+01	1.23E+01	9.95E+00	6.97E+00	0.00E+00	3.49E+01	1.10E+01	1.06E+01	3.67E+00
8	Median	1.99E+00	9.95E-01	1.29E+01	1.19E+01	1.09E+01	7.30E+00	0.00E+00	3.48E+01	1.09E+01	1.00E+01	3.00E+00
	Best Std.	0.00E+00 7.44E-01	0.00E+00 2.32E+00	2.98E+00 4.50E+00	2.21E+00 4.40E+00	3.98E+00 2.37E+00	9.95E-01 2.74E+00	0.00E+00 0.00E+00	3.08E+01 1.23E+00	7.33E+00 1.82E+00	3.98E+00 3.39E+00	9.95E-01 1.89E+00
	Mean	0.00E+00	0.00E+00	1.96E-02	8.91E-03	0.00E+00	2.39E-04	0.00E+00	7.04E+02	7.31E-06	7.21E-08	0.00E+00
0	Median	0.00E+00	0.00E+00	1.36E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.19E+02	5.66E-06	4.30E-08	0.00E+00
9	Best	0.00E+00	6.77E-07	0.00E+00	0.00E+00							
	Std.	0.00E+00	0.00E+00	9.82E-02	6.36E-02	0.00E+00	9.90E-04	0.00E+00	2.82E+02	6.02E-06	9.41E-08	0.00E+00
	Mean	3.59E+01	4.35E+02	3.67E+02	9.55E+02	5.03E+02	3.60E+02	3.72E+01	2.13E+03	5.13E+02	4.37E+02	4.18E+02
10	Median Best	1.03E+01 1.87E-01	4.07E+02 3.75E-01	3.61E+02 6.89E+00	9.90E+02 3.32E+02	5.41E+02 1.22E+02	3.54E+02 6.95E+00	1.36E+01 1.25E-01	2.12E+03 1.68E+03	5.28E+02 2.05E+02	4.27E+02 3.87E+00	3.79E+02 1.22E+02
	Std.	5.55E+01	1.90E+02	1.69E+02	2.14E+02	1.55E+02	1.50E+02	5.39E+01	1.92E+02	1.06E+02	1.70E+02	1.71E+02
	Mean	0.00E+00	1.71E-01	9.28E+00	4.12E+00	1.69E+01	2.54E+00	0.00E+00	4.83E+01	4.06E+00	1.43E+01	9.08E+00
11	Median	0.00E+00	0.00E+00	8.74E+00	4.30E+00	1.80E+01	1.99E+00	0.00E+00	4.35E+01	4.22E+00	1.30E+01	8.50E+00
	Best	0.00E+00	0.00E+00	1.34E+00	3.55E-01	1.99E+00	9.95E-01	0.00E+00	1.99E+00	1.70E+00	5.06E+00	1.37E+00
	Std.	0.00E+00	4.10E-01	4.79E+00 1.35E+04	1.46E+00	5.31E+00	1.40E+00	0.00E+00 9.02E+01	3.11E+01 4.51E+02	6.74E-01 8.77E+01	5.93E+00	4.77E+00 4.00E+04
	Mean Median	2.66E+00 4.16E-01	1.10E+02 1.20E+02	9.32E+03	6.56E+04 5.91E+04	4.55E+03 4.83E+03	1.10E+04 8.51E+03	1.18E+02	4.51E+02 4.56E+02	7.70E+01	5.44E+04 2.66E+04	1.65E+04
12	Best	0.00E+00	2.08E-01	3.61E+02	7.44E+03	4.54E+02	2.68E+02	0.00E+00	1.19E+02	3.97E+01	1.79E+03	1.49E+03
	Std.	1.68E+01	9.37E+01	1.20E+04	5.49E+04	2.51E+03	9.77E+03	7.44E+01	2.01E+02	3.98E+01	6.73E+04	6.75E+04
	Mean	2.96E+00	4.17E+00	5.08E+03	2.45E+03	1.39E+03	3.29E+03	2.17E+00	3.47E+02	1.62E+01	1.27E+03	2.49E+03
13	Median	4.84E+00	4.84E+00	3.03E+03	1.78E+03	8.79E+02	1.03E+03	3.13E-02	3.35E+02	1.58E+01	8.68E+02	1.85E+03
	Best Std.	0.00E+00 2.35E+00	0.00E+00 3.61E+00	3.68E+01 5.64E+03	1.99E+02 2.16E+03	1.34E+01 1.33E+03	2.13E+01 4.98E+03	0.00E+00 2.53E+00	3.53E+01 1.78E+02	7.90E+00 4.54E+00	1.97E+02 9.61E+02	2.80E+02 1.91E+03
	Mean	5.85E-02	3.61E+00 1.59E+01	2.07E+01	6.73E+01	3.73E+01	4.98E+03 1.58E+02	6.05E-02	8.22E+01	4.54E+00 1.50E+01	9.61E+02 9.28E+01	9.66E+01
1.4	Median	0.00E+00	2.00E+01	1.30E+01	6.50E+01	4.01E+01	2.61E+01	0.00E+00	5.28E+01	1.50E+01	9.21E+01	6.61E+01
14	Best	0.00E+00	1.18E-07	2.18E+00	3.53E+01	5.49E+00	2.51E+00	0.00E+00	2.20E+01	6.70E+00	3.40E+01	3.71E+01
	Std.	2.36E-01	1.25E+01	2.20E+01	1.83E+01	1.17E+01	6.56E+02	2.36E-01	1.31E+02	2.76E+00	3.19E+01	9.75E+01
	Mean	2.21E-01	4.91E-01	4.36E+01	1.26E+02	5.33E+01	8.95E+01	1.09E-01	6.37E+01	3.49E+00	7.35E+02	5.92E+02
15	Median Best	1.79E-01 4.85E-05	5.00E-01 6.51E-04	1.01E+01 1.78E+00	1.23E+02 5.21E+01	5.67E+01 4.00E+00	2.84E+01 8.03E-01	3.07E-02 3.81E-05	5.07E+01 2.09E+00	3.39E+00 2.24E+00	5.40E+02 7.07E+01	4.79E+02 8.61E+01
	Std.	2.00E-01	4.76E-01	1.78E+00 1.11E+02	4.34E+01	2.27E+01	1.36E+02	1.74E-01	4.49E+01	6.99E-01	4.51E+02	4.55E+02
	Mean	5.69E-01	9.71E+01	4.38E+01	8.91E+00	8.30E+01	3.45E+01	4.17E-01	5.18E+02	6.18E+00	1.48E+01	2.77E+01
16	Median	5.19E-01	1.19E+02	4.07E+00	3.78E+00	1.19E+02	3.91E+00	4.43E-01	4.90E+02	6.08E+00	1.20E+01	8.94E+00
10	Best	2.48E-02	6.55E-01	2.37E-01	1.37E+00	1.19E-01	2.37E-01	2.62E-02	3.59E+02	2.75E+00	2.30E+00	1.17E+00
	Std.	2.64E-01	1.03E+02	5.79E+01	2.19E+01	7.25E+01	5.01E+01	1.98E-01	6.68E+01	1.93E+00	1.10E+01	5.23E+01
	Mean	5.02E-01	5.25E+01	1.41E+01	3.83E+01	2.46E+01	2.89E+00	1.47E-01	2.62E+02	1.84E+01	3.33E+01	3.15E+01
17	Median Best	4.03E-01 1.98E-02	4.18E+01 6.69E+00	6.77E+00 9.93E-02	3.75E+01 2.53E+01	2.53E+01 3.32E+00	1.27E+00 6.33E-04	4.94E-02 1.00E-02	2.88E+02 5.11E+01	1.88E+01 1.14E+01	3.25E+01 2.13E+01	2.93E+01 8.30E-01
	Std.	3.48E-01	3.36E+01	1.39E+01	7.83E+00	7.43E+00	5.71E+00	2.03E-01	7.59E+01	3.35E+00	6.89E+00	9.49E+00
	Mean	3.08E-01	1.97E+01	8.76E+03	6.15E+03	8.78E+02	1.40E+03	7.00E-01	8.01E+01	2.60E+01	1.46E+03	1.18E+03
18	Median	3.79E-01	2.05E+01	7.38E+03	4.35E+03	7.99E+02	7.19E+02	4.09E-01	6.53E+01	2.62E+01	1.20E+03	7.25E+02
	Best	2.64E-06	2.64E-02	2.71E+01	3.77E+02	4.93E+01	3.24E+01	3.92E-04	2.14E+01	1.52E+01	1.27E+02	9.76E+01
	Std.	1.95E-01	2.35E+01	6.42E+03	5.63E+03	7.14E+02	2.26E+03	2.77E+00	4.88E+01	4.91E+00	1.17E+03	1.28E+03

	Mean	1.07E-02	1.82E+00	9.27E+01	6.06E+01	2.25E+01	9.45E+00	1.50E-02	2.84E+01	2.60E+00	1.13E+02	1.43E+02
19	Median	0.00E+00	1.21E+00	2.59E+00	5.32E+01	1.72E+01	3.63E+00	1.79E-02	2.12E+01	2.64E+00	9.53E+01	7.10E+01
19	Best	0.00E+00	1.94E-02	8.79E-02	1.46E+01	2.99E+00	3.79E-02	0.00E+00	4.40E+00	1.78E+00	2.36E+01	7.80E+00
	Std.	1.25E-02	3.30E+00	2.94E+02	3.18E+01	1.56E+01	1.31E+01	1.88E-02	2.11E+01	3.37E-01	7.66E+01	1.64E+02
	Mean	3.43E-01	1.06E+02	8.01E+00	1.46E+01	2.78E+01	2.75E-02	1.47E-01	4.13E+02	6.68E+00	3.88E+01	3.49E+01
20	Median	3.12E-01	1.38E+02	4.29E+00	2.08E+01	2.56E+01	0.00E+00	0.00E+00	4.43E+02	6.63E+00	3.77E+01	3.40E+01
20	Best	0.00E+00	1.62E+00	1.46E-03	1.03E+00	2.30E+00	0.00E+00	0.00E+00	2.25E+02	1.90E+00	1.74E+01	1.73E+01
	Std.	1.29E-01	6.95E+01	9.07E+00	9.45E+00	8.96E+00	8.66E-02	1.57E-01	7.56E+01	1.64E+00	1.03E+01	9.87E+00
	Mean	1.32E+02	1.37E+02	1.00E+02	1.42E+02	1.04E+02	1.73E+02	1.14E+02	2.29E+02	1.21E+02	9.80E+01	1.00E+02
21	Median	1.00E+02	1.00E+02	1.00E+02	1.06E+02	1.00E+02	2.09E+02	1.00E+02	2.24E+02	1.08E+02	1.00E+02	1.00E+02
21	Best	1.00E+02	2.06E+02	1.05E+02	5.65E-02	1.00E+02						
	Std.	4.84E+01	4.92E+01	9.03E-01	5.17E+01	2.15E+01	5.15E+01	3.52E+01	1.99E+01	2.99E+01	1.40E+01	1.39E-04
	Mean	1.00E+02	9.93E+01	9.75E+01	9.33E+01	9.67E+01	8.80E+01	9.85E+01	3.66E+02	9.91E+01	3.50E+01	6.66E+01
22	Median	1.00E+02	1.00E+02	1.02E+02	1.00E+02	1.01E+02	1.00E+02	1.00E+02	1.00E+02	1.01E+02	2.53E+01	1.00E+02
22	Best	1.00E+02	6.03E+01	1.14E+01	1.16E+01	1.28E+01	1.13E+01	2.17E+01	1.00E+02	5.23E+01	1.90E-04	9.50E-05
	Std.	0.00E+00	5.57E+00	1.99E+01	2.27E+01	1.68E+01	2.62E+01	1.10E+01	6.73E+02	9.11E+00	3.06E+01	4.63E+01
	Mean	3.01E+02	2.75E+02	3.09E+02	3.07E+02	3.42E+02	3.12E+02	3.00E+02	9.83E+02	3.10E+02	3.00E+02	3.06E+02
23	Median	3.00E+02	3.03E+02	3.16E+02	3.06E+02	3.44E+02	3.11E+02	3.00E+02	1.00E+03	3.10E+02	3.11E+02	3.06E+02
23	Best	3.00E+02	1.00E+02	1.48E-04	3.00E+02	3.14E+02	3.06E+02	3.00E+02	8.23E+02	3.07E+02	5.04E-02	3.00E+02
	Std.	1.59E+00	7.06E+01	4.46E+01	3.84E+00	1.05E+01	3.30E+00	7.07E-01	6.74E+01	1.84E+00	5.96E+01	2.83E+00
	Mean	2.97E+02	1.98E+02	1.17E+02	3.10E+02	2.27E+02	2.76E+02	1.66E+02	1.05E+02	2.38E+02	8.86E+01	1.70E+02
24	Median	3.29E+02	2.00E+02	1.00E+02	3.32E+02	1.00E+02	3.39E+02	1.00E+02	1.00E+02	2.28E+02	1.00E+02	1.00E+02
24	Best	1.00E+02	1.65E-06	1.00E+02	1.00E+02	1.00E-06	1.00E+02	1.00E+02	1.00E+02	1.18E+02	9.46E-04	2.54E-03
	Std.	7.93E+01	1.02E+02	4.97E+01	6.90E+01	1.35E+02	9.19E+01	9.97E+01	3.30E+01	7.55E+01	3.25E+01	1.10E+02
	Mean	4.06E+02	4.02E+02	4.23E+02	4.26E+02	4.04E+02	4.15E+02	4.12E+02	4.38E+02	4.02E+02	3.98E+02	4.12E+02
25	Median	3.98E+02	3.98E+02	4.43E+02	4.43E+02	4.00E+02	4.02E+02	3.98E+02	4.44E+02	3.98E+02	3.98E+02	3.98E+02
23	Best	3.98E+02	1.00E+02	3.98E+02								
	Std.	1.75E+01	6.54E+01	2.33E+01	2.25E+01	1.45E+01	2.04E+01	2.12E+01	1.59E+01	1.24E+01	4.03E-01	2.13E+01
	Mean	3.00E+02	2.73E+02	3.03E+02	3.01E+02	2.67E+02	2.55E+02	2.65E+02	1.26E+03	3.00E+02	2.55E+02	2.94E+02
26	Median	3.00E+02	1.18E+03	3.00E+02	3.00E+02	3.00E+02						
20	Best	3.00E+02	1.14E-06	2.00E+02	0.00E+00	0.00E+00	0.00E+00	2.00E+02	2.00E+02	3.00E+02	4.41E-03	6.54E-03
	Std.	0.00E+00	1.51E+02	3.14E+01	4.63E+01	7.66E+01	9.88E+01	4.74E+01	9.89E+02	1.83E-05	1.04E+02	4.20E+01
	Mean	3.89E+02	3.95E+02	3.96E+02	3.93E+02	4.27E+02	3.93E+02	3.92E+02	4.62E+02	3.92E+02	3.94E+02	3.92E+02
27	Median	3.90E+02	3.95E+02	3.97E+02	3.91E+02	4.25E+02	3.92E+02	3.90E+02	4.24E+02	3.93E+02	3.94E+02	3.93E+02
21	Best	3.89E+02	3.94E+02	3.89E+02	3.89E+02	4.03E+02	3.89E+02	3.90E+02	3.96E+02	3.89E+02	3.89E+02	3.88E+02
	Std.	2.25E-01	1.09E+00	3.76E+00	3.28E+00	1.35E+01	2.55E+00	2.40E+00	8.02E+01	1.78E+00	1.94E+00	1.92E+00
	Mean	3.39E+02	4.02E+02	3.01E+02	4.47E+02	2.94E+02	3.69E+02	3.07E+02	6.34E+02	3.00E+02	2.66E+02	2.82E+02
28	Median	3.00E+02	3.00E+02	3.00E+02	3.66E+02	3.00E+02	3.00E+02	3.00E+02	6.66E+02	3.00E+02	3.00E+02	3.00E+02
20	Best	3.00E+02	3.04E-07	1.27E-03	3.00E+02	0.00E+00	1.84E+02	0.00E+00	3.00E+02	2.98E+02	1.08E-02	1.50E-03
	Std.	9.65E+01	1.64E+02	5.11E+01	1.58E+02	4.20E+01	9.22E+01	7.18E+01	2.31E+02	2.32E-01	9.35E+01	7.13E+01
	Mean	2.34E+02	2.66E+02	2.60E+02	2.74E+02	2.78E+02	2.69E+02	2.31E+02	3.74E+02	2.66E+02	2.56E+02	2.55E+02
29	Median	2.33E+02	2.54E+02	2.57E+02	2.73E+02	2.79E+02	2.68E+02	2.30E+02	3.38E+02	2.67E+02	2.54E+02	2.55E+02
47	Best	2.29E+02	2.26E+02	2.33E+02	2.46E+02	2.47E+02	2.00E+02	2.27E+02	2.60E+02	2.48E+02	2.39E+02	2.32E+02
	Std.	2.96E+00	4.53E+01	1.89E+01	1.38E+01	1.35E+01	2.15E+01	3.77E+00	9.75E+01	8.01E+00	1.27E+01	1.13E+01
	Mean	3.95E+02	2.05E+03	6.70E+03	2.79E+05	2.99E+03	2.17E+04	4.07E+02	1.73E+08	6.62E+02	1.02E+04	5.38E+03
30	Median	3.95E+02	4.43E+02	4.37E+03	9.13E+03	2.75E+03	3.99E+03	3.95E+02	4.48E+06	3.98E+02	8.65E+03	5.02E+03
30	Best	3.95E+02	3.95E+02	1.20E+03	1.15E+03	9.86E+02	6.11E+02	3.95E+02	5.21E+02	3.96E+02	1.64E+03	9.25E+02
	Std.	4.49E-02	1.04E+04	6.52E+03	4.92E+05	8.99E+02	1.17E+05	1.78E+01	7.47E+08	1.32E+03	6.48E+03	3.33E+03
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TABLE S-XI: COMPARISIONS WITH WINNERS ON CEC 2017 IN 30-D CASE

Func	D=30	JSO	RB-IPOP-	DYYPO	TLBO-FL	PPSO	MOS-SOCO	EBOwith	CMA-ES	JADE	LoTFWA	PC-FWA
			CMA-ES				2011	CMAR			1.65E+02	
	Mean Median	0.00E+00 0.00E+00	3.15E-08 3.14E-08	3.71E+03 1.14E+03	3.51E+03 2.33E+03	7.48E+02 6.23E+02	2.19E+03 1.23E+03	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	3.59E+01	2.73E+02 3.46E+01
1	Best	0.00E+00	0.00E+00	4.88E-01	6.24E-03	5.15E+00	8.60E-02	0.00E+00	0.00E+00	0.00E+00	1.89E-01	4.01E-03
	Std.	0.00E+00	2.75E-08	5.04E+03	3.61E+03	6.06E+02	2.89E+03	0.00E+00	0.00E+00	0.00E+00	3.10E+02	6.96E+02
	Mean	0.00E+00	0.00E+00	3.18E+09	8.52E+16	5.32E+01	2.11E-02	0.00E+00	1.31E-08	0.00E+00	2.11E+04	1.80E+04
2	Median	0.00E+00	0.00E+00	1.28E+04	1.13E+12	2.70E+01	1.96E-02	0.00E+00	1.04E-08	0.00E+00	2.94E+03	3.11E+03
-	Best	0.00E+00	0.00E+00	0.00E+00	5.46E+03	0.00E+00	1.79E-04	0.00E+00	0.00E+00	0.00E+00	4.98E-04	9.95E-01
	Std.	0.00E+00	0.00E+00	2.27E+10	5.81E+17	6.91E+01	1.45E-02	0.00E+00	0.00E+00	0.00E+00	6.98E+04	3.75E+04
	Mean	0.00E+00	0.00E+00 0.00E+00	5.27E+02 1.57E-04	2.99E+03 2.95E+03	1.13E+00	1.72E+03 2.23E+02	0.00E+00 0.00E+00	0.00E+00 0.00E+00	2.83E+04 3.68E+04	6.15E-04 2.45E-04	1.29E-04 8.28E-05
3	Median Best	0.00E+00 0.00E+00	0.00E+00 0.00E+00	5.07E-06	9.13E+02	1.12E+00 1.39E-01	4.87E-02	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00	8.16E-06	9.20E-06
	Std.	0.00E+00	0.00E+00	3.76E+03	1.08E+03	4.83E-01	3.77E+03	0.00E+00	0.00E+00	2.79E+04	7.69E-04	1.53E-04
	Mean	5.87E+01	5.53E+01	9.12E+01	9.01E+01	4.39E+01	3.89E+01	5.65E+01	1.57E+02	2.96E+01	5.82E+01	7.34E+01
	Median	5.86E+01	5.86E+01	9.13E+01	8.71E+01	6.71E+01	5.86E+01	5.86E+01	1.11E+02	4.37E+00	6.89E+01	7.01E+01
4	Best	5.86E+01	0.00E+00	3.18E-01	2.88E+01	3.21E-02	9.23E-05	0.00E+00	0.00E+00	0.00E+00	3.68E-01	3.67E-02
	Std.	7.78E-01	1.65E+01	2.49E+01	2.37E+01	3.19E+01	2.86E+01	1.11E+01	2.03E+02	3.03E+01	3.21E+01	2.56E+01
	Mean	8.56E+00	1.65E+00	9.09E+01	3.95E+01	1.12E+02	5.58E+01	2.78E+00	3.02E+02	6.37E+01	6.96E+01	2.62E+01
5	Median	8.02E+00	9.95E-01	8.87E+01	3.62E+01	1.12E+02	5.71E+01	2.98E+00	3.02E+02	6.31E+01	6.77E+01	2.69E+01
	Best Std.	3.98E+00 2.10E+00	2.11E-08 1.37E+00	4.08E+01 2.43E+01	1.79E+01 2.07E+01	8.46E+01 1.33E+01	2.49E+01 1.20E+01	0.00E+00 1.74E+00	2.79E+02 1.00E+01	5.11E+01 6.22E+00	4.68E+01 1.21E+01	1.59E+01 6.51E+00
	Mean	0.00E+00	1.37E+00 1.21E-07	8.59E-01	4.87E-01	2.03E+01	0.00E+00	0.00E+00	6.38E+01	6.22E+00 6.27E-03	7.92E-01	1.34E-02
_	Median	0.00E+00	1.21E-07 1.33E-07	6.09E-01	3.92E-01	2.03E+01 2.12E+01	0.00E+00	0.00E+00	6.38E+01	5.84E-03	8.91E-02	1.41E-03
6	Best	0.00E+00	3.84E-08	4.08E-02	1.73E-02	9.73E+00	0.00E+00	0.00E+00	6.15E+01	1.99E-03	1.16E-04	1.99E-05
	Std.	2.71E-08	3.97E-08	7.17E-01	4.24E-01	4.15E+00	0.00E+00	0.00E+00	9.55E-01	2.85E-03	1.62E+00	3.57E-02
	Mean	3.89E+01	3.43E+01	1.44E+02	1.39E+02	1.35E+02	8.67E+01	3.35E+01	6.20E+02	1.01E+02	7.19E+01	4.76E+01
7	Median	3.91E+01	3.41E+01	1.38E+02	1.50E+02	1.37E+02	8.85E+01	3.34E+01	6.24E+02	1.01E+02	7.18E+01	4.70E+01
	Best	3.61E+01	3.27E+01	9.49E+01	5.33E+01	9.36E+01	5.38E+01	3.17E+01	5.16E+02	8.44E+01	5.63E+01	3.82E+01
	Std.	1.46E+00	1.28E+00	3.08E+01	4.75E+01	1.63E+01	1.48E+01	8.37E-01	2.42E+01	5.92E+00	8.84E+00	4.86E+00
	Mean Median	9.09E+00	1.76E+00 9.96E-01	9.63E+01 9.35E+01	3.67E+01	8.10E+01 8.46E+01	6.36E+01 6.29E+01	2.02E+00 1.99E+00	1.98E+02 2.00E+02	6.36E+01 6.42E+01	6.50E+01	2.73E+01 2.79E+01
8	Best	8.96E+00 4.97E+00	9.96E-01 0.00E+00	4.38E+01	3.10E+01 1.75E+01	4.38E+01	3.78E+01	0.00E+00	1.78E+02	5.35E+01	6.47E+01 3.98E+01	1.29E+01
	Std.	1.84E+00	1.65E+00	2.45E+01	1.84E+01	1.04E+01	1.16E+01	1.32E+00	5.83E+00	5.75E+00	1.00E+01	8.04E+00
	Mean	0.00E+00	0.00E+00	6.54E+02	3.45E+01	1.36E+03	2.83E+02	0.00E+00	4.47E+03	0.00E+00	3.36E+00	0.00E+00
0	Median	0.00E+00	0.00E+00	3.58E+02	2.98E+01	1.41E+03	2.37E+02	0.00E+00	4.49E+03	0.00E+00	0.00E+00	0.00E+00
9	Best	0.00E+00	0.00E+00	3.59E+00	2.44E+00	7.32E+02	4.61E+01	0.00E+00	3.93E+03	0.00E+00	0.00E+00	0.00E+00
	Std.	0.00E+00	0.00E+00	7.73E+02	2.71E+01	2.82E+02	1.75E+02	0.00E+00	1.09E+02	0.00E+00	2.36E+01	0.00E+00
	Mean	1.53E+03	1.44E+03	2.84E+03	6.69E+03	3.13E+03	2.53E+03	1.41E+03	4.33E+03	3.72E+03	2.46E+03	2.21E+03
10	Median	1.49E+03	1.36E+03	2.90E+03	6.71E+03	3.12E+03	2.56E+03	1.38E+03	4.35E+03	3.76E+03	2.49E+03	2.20E+03
	Best Std.	1.04E+03 2.77E+02	3.83E+02 5.83E+02	1.43E+03 6.02E+02	5.97E+03 2.77E+02	2.19E+03 3.46E+02	1.78E+03 4.27E+02	9.84E+02 2.15E+02	3.78E+03 2.38E+02	3.05E+03 2.16E+02	1.68E+03 3.49E+02	1.43E+03 4.47E+02
	Mean	3.04E+00	4.11E+01	1.16E+02	8.16E+01	8.43E+01	7.49E+01	4.49E+00	1.29E+02	4.18E+01	9.45E+01	6.71E+01
	Median	1.99E+00	9.96E+00	1.13E+02	8.21E+01	8.87E+01	6.58E+01	1.99E+00	1.06E+02	2.67E+01	9.16E+01	6.23E+01
11	Best	0.00E+00	0.00E+00	3.59E+01	2.56E+01	4.59E+01	2.23E+01	0.00E+00	5.67E+01	6.97E+00	4.22E+01	2.97E+01
	Std.	2.65E+00	4.76E+01	4.11E+01	4.14E+01	1.84E+01	3.64E+01	8.77E+00	7.43E+01	3.19E+01	3.07E+01	2.40E+01
	Mean	1.70E+02	1.09E+03	1.50E+06	5.75E+04	2.77E+04	3.73E+04	4.63E+02	1.37E+03	1.14E+03	4.11E+05	3.42E+05
12	Median	1.39E+02	1.06E+03	1.29E+06	3.60E+04	2.93E+04	3.43E+04	4.35E+02	1.35E+03	1.22E+03	3.21E+05	3.24E+05
	Best	3.86E+00	4.44E+02	8.15E+04	5.58E+03	6.05E+03	3.67E+03	1.50E+01	4.68E+02	4.70E+02	3.86E+04	3.69E+04
	Std.	1.02E+02	2.81E+02	1.19E+06	8.99E+04	8.55E+03	1.96E+04	2.63E+02	3.94E+02	3.43E+02	3.33E+05	2.07E+05
	Mean Median	1.48E+01 1.59E+01	1.19E+02 2.65E+01	9.58E+03 2.81E+03	2.02E+04 1.61E+04	3.21E+03 2.48E+03	1.33E+04 6.54E+03	1.49E+01 1.66E+01	1.75E+03 1.72E+03	5.25E+01 4.31E+01	2.09E+04 1.98E+04	1.51E+04 1.46E+04
13	Best	9.93E-01	3.98E+00	2.81E+03 2.11E+02	2.48E+02	7.93E+01	9.87E+01	1.38E+00	4.16E+02	1.61E+01	6.63E+03	9.12E+03
	Std.	4.83E+00	4.00E+02	1.28E+04	1.79E+04	2.88E+03	1.59E+04	6.25E+00	5.72E+02	2.49E+01	7.64E+03	3.67E+03
	Mean	2.18E+01	9.08E+01	2.11E+03	7.10E+03	2.32E+03	1.99E+04	2.19E+01	1.41E+02	7.10E+03	8.02E+02	4.28E+02
14	Median	2.12E+01	1.10E+02	1.41E+03	6.04E+03	2.01E+03	2.00E+04	2.21E+01	1.39E+02	4.24E+01	6.80E+02	2.74E+02
1-7	Best	2.01E+01	2.02E+01	7.04E+01	7.37E+02	2.20E+02	2.19E+03	2.52E+00	4.29E+01	3.35E+01	2.13E+02	1.52E+02
	Std.	1.25E+00	5.62E+01	2.28E+03	5.85E+03	1.52E+03	1.09E+04	3.84E+00	4.18E+01	1.21E+04	5.10E+02	3.47E+02
	Mean	1.09E+00	2.18E+02	1.06E+04	2.16E+04	2.13E+03	1.09E+04	3.69E+00	2.02E+02	1.61E+01	1.35E+04	8.16E+03
15	Median Best	7.79E-01 3.25E-01	2.24E+02 5.00E-01	9.49E+03 1.28E+02	1.27E+04 2.14E+03	1.82E+03 1.08E+02	6.46E+03 4.64E+01	3.39E+00 2.79E-01	1.86E+02 5.93E+01	1.68E+01 1.42E+00	1.27E+04 3.03E+03	8.01E+03 2.32E+03
	Std.	6.91E-01	1.84E+02	9.40E+03	2.14E+03 2.27E+04	1.63E+03	1.18E+04	2.75E+00	8.77E+01	3.61E+00	4.74E+03	3.32E+03
	Mean	7.89E+01	5.02E+02	6.66E+02	4.92E+02	8.46E+02	7.32E+02	4.26E+01	7.79E+02	7.00E+02	5.84E+02	6.37E+02
10	Median	2.59E+01	5.01E+02	6.85E+02	3.80E+02	8.88E+02	7.18E+02	2.11E+01	7.74E+02	7.28E+02	5.79E+02	6.40E+02
16	Best	4.02E+00	1.71E+01	2.16E+02	8.94E+00	5.31E+02	1.49E+02	3.25E+00	2.72E+02	3.87E+02	2.61E+02	3.10E+02
	Std.	8.48E+01	2.54E+02	2.26E+02	3.53E+02	1.53E+02	2.30E+02	5.69E+01	2.72E+02	1.42E+02	1.39E+02	1.42E+02
	Mean	3.29E+01	1.32E+02	2.55E+02	1.41E+02	3.31E+02	2.66E+02	2.98E+01	4.28E+02	1.53E+02	1.25E+02	1.62E+02
17	Median	3.46E+01	1.03E+02	2.46E+02	1.19E+02	3.51E+02	2.67E+02	3.10E+01	4.09E+02	1.47E+02	1.23E+02	1.70E+02
	Best	1.16E+01	2.33E+01	5.16E+01	4.46E+01	7.73E+01	5.10E+01	9.95E+00	7.35E+01	9.87E+01	5.57E+01	3.81E+01
	Std.	8.08E+00	9.54E+01 1.60E+02	1.55E+02 1.25E+05	6.59E+01	1.13E+02	1.35E+02	7.50E+00	2.39E+02	3.23E+01 3.07E+04	3.86E+01	9.49E+01 4.02E+04
	Mean Median	2.04E+01 2.06E+01	1.00E+02 1.26E+02	8.78E+04	3.67E+05 3.40E+05	6.99E+04 7.73E+04	1.36E+05 1.25E+05	2.21E+01 2.20E+01	1.58E+02 1.67E+02	2.90E+01	5.24E+04 5.54E+04	4.02E+04 3.75E+04
18	Best	4.86E-01	2.25E+01	1.05E+04	8.96E+04	1.59E+04	2.21E+04	2.20E+01 2.04E+01	5.01E+01	2.22E+01	1.28E+04	1.27E+04
	Std.	2.87E+00	1.14E+02	1.01E+05	1.67E+05	3.06E+04	6.78E+04	1.09E+00	6.21E+01	7.01E+04	2.11E+04	1.69E+04
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	Mean	4.50E+00	1.15E+02	1.37E+04	1.07E+04	1.71E+03	9.95E+03	8.04E+00	1.44E+02	1.57E+03	8.30E+04	4.65E+04
19	Median	4.09E+00	1.04E+02	5.88E+03	7.09E+03	1.05E+03	6.21E+03	8.14E+00	1.29E+02	2.17E+01	6.22E+04	3.38E+04
19	Best	2.07E+00	7.85E+00	1.19E+02	6.59E+02	4.34E+01	3.93E+01	3.95E+00	6.28E+01	1.82E+01	1.37E+03	2.70E+02
	Std.	1.73E+00	6.59E+01	1.56E+04	1.10E+04	1.69E+03	1.11E+04	2.28E+00	6.20E+01	6.26E+03	7.45E+04	4.05E+04
	Mean	2.94E+01	2.97E+02	2.55E+02	2.21E+02	3.48E+02	2.64E+02	3.57E+01	1.31E+03	2.04E+02	2.44E+02	2.93E+02
20	Median	2.93E+01	2.85E+02	2.07E+02	2.08E+02	3.46E+02	2.60E+02	3.49E+01	1.35E+03	2.13E+02	2.44E+02	2.93E+02
20	Best	1.37E+01	4.19E+01	3.15E+01	4.92E+01	7.82E+01	3.68E+01	2.34E+01	1.01E+03	1.08E+02	1.10E+02	9.57E+01
	Std.	5.85E+00	1.19E+02	1.47E+02	1.25E+02	9.16E+01	1.29E+02	7.50E+00	7.62E+01	5.20E+01	6.33E+01	9.97E+01
	Mean	2.09E+02	2.09E+02	2.98E+02	2.34E+02	3.05E+02	2.62E+02	1.99E+02	3.98E+02	2.64E+02	2.68E+02	2.28E+02
21	Median	2.09E+02	2.10E+02	2.97E+02	2.30E+02	3.12E+02	2.60E+02	2.03E+02	4.16E+02	2.64E+02	2.72E+02	2.26E+02
21	Best	2.05E+02	1.00E+02	2.55E+02	2.15E+02	1.00E+02	2.41E+02	1.00E+02	2.44E+02	2.50E+02	1.00E+02	2.15E+02
	Std.	1.96E+00	1.67E+01	2.31E+01	1.16E+01	3.30E+01	1.20E+01	2.02E+01	9.84E+01	5.91E+00	2.58E+01	7.30E+00
	Mean	1.00E+02	6.72E+02	1.00E+02	1.01E+02	1.00E+02	1.40E+03	1.00E+02	5.38E+03	1.00E+02	1.00E+02	1.00E+02
	Median	1.00E+02	1.00E+02	1.00E+02	1.00E+02	1.00E+02	1.04E+02	1.00E+02	5.34E+03	1.00E+02	1.00E+02	1.00E+02
22	Best	1.00E+02	4.94E+03	1.00E+02	1.00E+02	1.00E+02						
	Std.	0.00E+00	7.63E+02	9.87E-01	1.94E+00	5.05E-07	1.52E+03	0.00E+00	2.59E+02	0.00E+00	0.00E+00	0.00E+00
	Mean	3.51E+02	3.39E+02	4.53E+02	3.96E+02	6.81E+02	4.18E+02	3.51E+02	2.26E+03	4.07E+02	4.37E+02	3.90E+02
	Median	3.51E+02	3.47E+02	4.49E+02	3.93E+02	6.83E+02	4.16E+02	3.51E+02	2.29E+03	4.07E+02	4.40E+02	3.90E+02
23	Best	3.42E+02	1.00E+02	4.05E+02	3.68E+02	5.83E+02	3.87E+02	3.45E+02	1.80E+03	3.99E+02	4.03E+02	3.63E+02
	Std.	3.30E+00	4.93E+01	3.19E+01	1.62E+01	3.79E+01	1.46E+01	3.51E+00	1.66E+02	4.44E+00	1.75E+01	1.40E+01
	Mean	4.26E+02	4.19E+02	5.65E+02	4.69E+02	7.39E+02	5.39E+02	4.18E+02	1.46E+03	4.64E+02	4.96E+02	4.46E+02
	Median	4.27E+02	4.20E+02	5.61E+02	4.66E+02	7.47E+02	5.45E+02	4.24E+02	1.78E+03	4.65E+02	4.99E+02	4.46E+02
24	Best	4.22E+02	4.11E+02	4.84E+02	4.46E+02	6.49E+02	2.26E+02	1.00E+02	4.47E+02	4.48E+02	4.51E+02	4.28E+02
	Std.	2.47E+00	3.06E+00	5.05E+01	1.62E+01	4.57E+01	5.02E+01	4.55E+01	9.67E+02	6.16E+00	1.52E+01	9.47E+00
	Mean	3.87E+02	3.87E+02	3.86E+02	4.02E+02	3.85E+02	3.86E+02	3.87E+02	4.29E+02	3.87E+02	3.87E+02	3.87E+02
	Median	3.87E+02	3.87E+02	3.87E+02	3.91E+02	3.84E+02	3.87E+02	3.87E+02	4.21E+02	3.87E+02	3.87E+02	3.87E+02
25	Best	3.87E+02	3.87E+02	3.83E+02	3.84E+02	3.83E+02	3.84E+02	3.83E+02	3.90E+02	3.87E+02	3.83E+02	3.83E+02
	Std.	7.72E-03	1.47E-02	1.41E+00	1.76E+01	1.77E+00	1.61E+00	7.56E-01	2.98E+01	1.08E-01	8.26E-01	4.72E-01
	Mean	9.20E+02	3.94E+02	2.17E+03	1.42E+03	2.04E+03	1.71E+03	5.37E+02	2.75E+02	1.41E+03	7.17E+02	1.16E+03
	Median	9.30E+02	3.00E+02	2.29E+03	1.51E+03	3.06E+03	1.77E+03	3.00E+02	3.00E+02	1.41E+03	3.00E+02	1.29E+03
26	Best	8.39E+02	2.00E+02	2.00E+02	2.00E+02	2.00E+02	3.00E+02	2.00E+02	2.00E+02	1.30E+03	2.00E+02	2.00E+02
	Std.	4.30E+01	2.17E+02	7.28E+02	4.69E+02	1.73E+03	2.95E+02	3.06E+02	4.40E+01	6.05E+01	7.30E+02	4.63E+02
	Mean	4.97E+02	5.12E+02	5.39E+02	5.32E+02	7.08E+02	5.15E+02	5.02E+02	3.64E+03	5.08E+02	5.34E+02	5.12E+02
	Median	4.95E+02	5.12E+02	5.36E+02	5.29E+02	7.17E+02	5.15E+02	5.03E+02	3.72E+03	5.09E+02	5.34E+02	5.13E+02
27	Best	4.82E+02	4.90E+02	5.10E+02	4.95E+02	5.98E+02	5.03E+02	4.93E+02	2.77E+03	4.98E+02	5.00E+02	4.86E+02
	Std.	7.00E+00	1.13E+01	1.62E+01	2.07E+01	5.42E+01	5.47E+00	4.03E+00	3.81E+02	3.78E+00	1.17E+01	1.09E+01
	Mean	3.09E+02	3.09E+02	3.87E+02	4.30E+02	3.27E+02	3.39E+02	3.08E+02	3.27E+02	3.07E+02	3.27E+02	3.03E+02
	Median	3.00E+02	3.00E+02	3.97E+02	4.27E+02	3.11E+02	3.00E+02	3.00E+02	3.00E+02	3.00E+02	3.00E+02	3.00E+02
28	Best	3.00E+02	3.00E+02	3.00E+02	3.77E+02	3.00E+02						
	Std.	3.02E+01	2.96E+01	4.33E+01	2.67E+01	3.17E+01	5.53E+01	2.88E+01	5.30E+01	2.71E+01	4.14E+01	1.51E+01
	Mean	4.34E+02	4.93E+02	7.48E+02	6.15E+02	7.80E+02	6.47E+02	4.33E+02	8.15E+02	5.51E+02	7.26E+02	6.33E+02
20	Median	4.33E+02	4.66E+02	7.43E+02	5.88E+02	7.76E+02	6.49E+02	4.34E+02	8.03E+02	5.52E+02	7.30E+02	6.16E+02
29	Best	3.57E+02	3.70E+02	4.79E+02	4.96E+02	5.69E+02	4.82E+02	4.07E+02	4.77E+02	4.92E+02	5.82E+02	4.82E+02
	Std.	1.36E+01	1.04E+02	1.96E+02	9.09E+01	1.21E+02	9.68E+01	1.13E+01	1.52E+02	1.99E+01	8.27E+01	8.35E+01
	Mean	1.97E+03	2.84E+03	3.31E+04	2.57E+04	3.32E+03	9.90E+03	1.99E+03	2.07E+05	2.09E+03	3.75E+05	3.06E+05
	Median	1.97E+03	2.29E+03	2.02E+04	1.92E+04	3.29E+03	8.38E+03	1.97E+03	5.04E+03	2.06E+03	3.35E+05	3.03E+05
30	Best	1.95E+03	1.95E+03	6.21E+03	4.15E+03	2.54E+03	3.11E+03	1.94E+03	2.93E+03	1.97E+03	8.48E+04	6.18E+04
	Std.	1.90E+01	1.94E+03	3.13E+04	2.78E+04	3.89E+02	4.73E+03	4.21E+01	1.34E+06	1.02E+02	1.95E+05	1.80E+05

TABLE S-XII: COMPARISIONS WITH WINNERS ON CEC 2017 IN 50-D CASE

Func	D=50	JSO	RB-IPOP-	DYYPO	TLBO-FL	PPSO	MOS-SOCO	EBOwith	CMA-ES	JADE	LoTFWA	PC-FWA
			CMA-ES				2011	CMAR				
	Mean	0.00E+00	1.13E-07	6.57E+03	6.06E+05	3.89E+02	1.49E+04	0.00E+00	0.00E+00	0.00E+00	1.00E+02	3.31E+02
1	Median Best	0.00E+00 0.00E+00	1.05E-07 3.29E-08	4.24E+03 2.68E+00	2.16E+04 8.12E+01	3.50E+02 6.26E-01	1.05E+04 1.42E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	0.00E+00 0.00E+00	1.91E+01 2.47E-03	1.15E+01 1.27E-02
	Std.	0.00E+00	4.26E-08	7.09E+03	2.21E+06	2.95E+02	1.23E+04	0.00E+00	0.00E+00	0.00E+00	2.20E+02	7.81E+02
	Mean	0.00E+00	2.77E+05	5.75E+15	1.57E+39	1.25E+12	1.81E+03	0.00E+00	1.58E-06	0.00E+00	4.28E+09	2.81E+09
2	Median	0.00E+00	0.00E+00	8.24E+12	3.56E+34	7.07E+11	1.49E-02	0.00E+00	1.33E-06	0.00E+00	6.10E+06	3.13E+07
2	Best	0.00E+00	0.00E+00	4.70E+09	7.95E+25	9.33E+09	3.85E-03	0.00E+00	8.56E-08	0.00E+00	3.53E+03	2.27E+03
	Std.	0.00E+00	1.98E+06	2.61E+16	1.01E+40	1.36E+12	6.95E+03	0.00E+00	9.86E-07	0.00E+00	1.91E+10	8.60E+09
	Mean	0.00E+00	0.00E+00	4.67E+01	2.57E+04	8.65E+02	3.36E+04 2.97E+04	0.00E+00	0.00E+00	8.28E+04	2.76E-01	2.27E-03
3	Median Best	0.00E+00 0.00E+00	0.00E+00 0.00E+00	1.62E-03 3.48E-05	2.48E+04 1.49E+04	8.84E+02 5.04E+02	5.69E+03	0.00E+00 0.00E+00	0.00E+00 0.00E+00	1.17E+05 0.00E+00	1.37E-01 3.46E-03	1.60E-03 1.92E-04
	Std.	0.00E+00	0.00E+00	2.30E+02	4.88E+03	1.86E+02	1.71E+04	0.00E+00	0.00E+00	6.62E+04	2.96E-01	2.52E-03
-	Mean	5.62E+01	2.96E+01	1.37E+02	1.90E+02	9.13E+01	2.81E+01	4.29E+01	1.81E+02	5.03E+01	9.71E+01	8.71E+01
4	Median	2.85E+01	1.20E+01	1.43E+02	1.96E+02	8.08E+01	2.85E+01	2.85E+01	1.51E+02	2.85E+01	9.95E+01	9.76E+01
4	Best	1.32E-04	0.00E+00	2.85E+01	9.18E+01	2.83E-01	1.03E-03	0.00E+00	0.00E+00	0.00E+00	2.91E+01	2.55E+01
	Std.	4.88E+01	4.07E+01	4.97E+01	4.58E+01	3.61E+01	2.63E+01	3.32E+01	1.73E+02	4.80E+01	3.44E+01	4.55E+01
	Mean	1.64E+01	2.79E+00	1.95E+02	9.67E+01	2.01E+02	1.34E+02	7.58E+00	3.79E+02	1.28E+02	1.46E+02	5.59E+01
5	Median Best	1.62E+01 8.96E+00	2.98E+00 0.00E+00	1.93E+02 1.12E+02	9.65E+01 6.27E+01	2.04E+02 1.54E+02	1.30E+02 9.11E+01	6.96E+00 2.98E+00	3.78E+02 3.58E+02	1.29E+02 9.89E+01	1.47E+02 1.13E+02	5.57E+01 3.48E+01
	Std.	3.46E+00	1.44E+00	3.95E+01	1.73E+01	1.34E+02 1.37E+01	2.07E+01	2.42E+00	1.16E+01	9.34E+00	1.13E+02 1.53E+01	1.31E+01
	Mean	1.09E-06	1.63E-07	3.84E+00	4.51E+00	3.18E+01	0.00E+00	8.54E-08	6.62E+01	6.79E-04	1.11E+01	9.79E-02
_	Median	3.11E-07	1.50E-07	3.97E+00	4.25E+00	3.27E+01	0.00E+00	4.79E-08	6.64E+01	5.33E-04	1.26E+01	2.56E-02
6	Best	0.00E+00	5.23E-08	4.81E-01	1.91E+00	2.22E+01	0.00E+00	0.00E+00	6.34E+01	1.27E-05	2.09E-01	5.52E-04
	Std.	2.63E-06	1.38E-07	2.03E+00	1.70E+00	3.91E+00	0.00E+00	1.14E-07	1.50E+00	7.45E-04	7.28E+00	1.82E-01
	Mean	6.65E+01	5.66E+01	2.61E+02	1.74E+02	2.78E+02	1.81E+02	5.79E+01	1.04E+03	1.85E+02	1.36E+02	8.80E+01
7	Median	6.66E+01	5.65E+01	2.61E+02	1.66E+02	2.87E+02	1.83E+02	5.79E+01	1.05E+03	1.85E+02	1.36E+02	8.78E+01
	Best Std.	5.75E+01 3.47E+00	5.43E+01 1.39E+00	1.77E+02 4.27E+01	1.22E+02 4.38E+01	1.84E+02 3.42E+01	1.25E+02 2.26E+01	5.53E+01 1.53E+00	9.39E+02 3.76E+01	1.73E+02 8.39E+00	1.03E+02 1.45E+01	7.19E+01 7.82E+00
	Mean	1.70E+01	2.58E+00	1.90E+02	9.33E+01	1.99E+02	1.38E+02	7.91E+00	4.17E+02	1.24E+02	1.48E+02	6.14E+01
	Median	1.70E+01	1.99E+00	1.81E+02	8.68E+01	2.04E+02	1.35E+02	7.96E+00	4.16E+02	1.23E+02	1.47E+02	6.17E+01
8	Best	9.95E+00	0.00E+00	1.05E+02	6.33E+01	1.67E+02	9.42E+01	3.98E+00	4.08E+02	9.59E+01	8.59E+01	4.18E+01
	Std.	3.14E+00	1.79E+00	4.70E+01	1.58E+01	1.52E+01	2.46E+01	2.47E+00	7.01E+00	1.00E+01	2.24E+01	1.03E+01
	Mean	0.00E+00	0.00E+00	3.51E+03	1.30E+03	6.06E+03	1.21E+03	0.00E+00	1.20E+04	3.51E-03	3.25E+03	1.02E+00
9	Median	0.00E+00	0.00E+00	3.27E+03	8.07E+02	6.05E+03	1.15E+03	0.00E+00	1.21E+04	0.00E+00	3.40E+03	0.00E+00
	Best Std.	0.00E+00 0.00E+00	0.00E+00 0.00E+00	9.98E+01 1.86E+03	1.61E+02 1.05E+03	4.42E+03 7.28E+02	4.07E+02 5.08E+02	0.00E+00 0.00E+00	1.05E+04 3.76E+02	0.00E+00 1.76E-02	8.95E-02 1.00E+03	0.00E+00 3.84E+00
	Mean	3.14E+03	1.73E+03	4.80E+03	1.03E+03 1.27E+04	5.20E+03	4.73E+03	3.11E+03	7.42E+03	6.80E+03	4.56E+03	3.85E+03
10	Median	3.23E+03	1.73E+03	4.78E+03	1.27E+04	5.32E+03	4.78E+03	3.16E+03	7.46E+03	6.85E+03	4.61E+03	3.98E+03
10	Best	2.40E+03	1.26E+02	3.18E+03	1.12E+04	3.62E+03	2.44E+03	2.14E+03	5.90E+03	5.98E+03	3.22E+03	1.91E+03
	Std.	3.67E+02	9.53E+02	6.41E+02	3.97E+02	5.51E+02	7.01E+02	4.01E+02	4.31E+02	3.13E+02	4.33E+02	6.87E+02
	Mean	2.79E+01	1.83E+02	1.90E+02	1.69E+02	1.27E+02	1.95E+02	2.64E+01	3.34E+02	1.71E+02	1.95E+02	1.33E+02
11	Median	2.85E+01	1.85E+02	1.94E+02	1.70E+02	1.29E+02	1.88E+02	2.62E+01	2.92E+02	7.80E+01	1.94E+02	1.34E+02
	Best Std.	2.12E+01 3.33E+00	6.61E+01 5.20E+01	7.69E+01 5.19E+01	7.87E+01 4.79E+01	9.23E+01 1.45E+01	9.40E+01 6.05E+01	1.93E+01 3.36E+00	1.08E+02 1.56E+02	4.31E+01 1.71E+02	1.36E+02 3.57E+01	8.85E+01 2.59E+01
	Mean	1.68E+03	2.44E+06	7.75E+06	9.16E+05	5.52E+05	1.45E+05	1.94E+03	2.66E+03	2.15E+03	2.83E+06	2.06E+06
	Median	1.65E+03	2.37E+03	6.46E+06	5.94E+05	6.13E+05	1.22E+05	1.78E+03	2.78E+03	1.98E+03	2.64E+06	1.91E+06
12	Best	7.52E+02	1.61E+03	2.08E+06	1.32E+05	1.60E+05	3.09E+04	1.23E+03	1.44E+03	1.03E+03	4.59E+05	4.97E+05
	Std.	5.23E+02	1.74E+07	5.08E+06	8.94E+05	2.03E+05	8.95E+04	8.34E+02	5.41E+02	7.40E+02	1.44E+06	9.58E+05
	Mean	3.06E+01	1.65E+03	7.55E+03	8.01E+03	8.47E+02	1.09E+04	4.14E+01	2.40E+03	1.07E+02	2.87E+04	2.11E+04
13	Median	3.73E+01	1.99E+03	4.57E+03	6.29E+03	6.84E+02	5.08E+03	4.49E+01	2.39E+03	9.55E+01	2.70E+04	1.89E+04
	Best Std.	4.58E+00 2.12E+01	6.34E+01	1.04E+03	2.32E+03 5.14E+03	6.12E+01 5.63E+02	1.06E+02 1.26E+04	7.96E+00 2.48E+01	1.17E+03 6.21E+02	2.50E+01 5.97E+01	1.19E+04 8.80E±03	9.40E+03 8.67E+03
	Mean	2.12E+01 2.50E+01	1.15E+03 2.42E+02	7.38E+03 2.89E+04	8.63E+04	1.95E+04	1.26E+04 3.78E+04	3.12E+01	2.67E+02	2.17E+03	8.80E+03 5.97E+03	8.67E+03 8.00E+03
	Median	2.30E+01 2.44E+01	2.42E+02 2.45E+02	2.20E+04	7.46E+04	2.34E+04	2.55E+04	3.12E+01 3.09E+01	2.07E+02 2.79E+02	4.45E+01	5.11E+03	6.93E+03
14	Best	2.03E+01	2.18E+01	5.49E+02	1.82E+04	1.21E+03	3.78E+03	2.50E+01	1.19E+02	2.90E+01	1.15E+03	4.19E+02
	Std.	1.87E+00	7.07E+01	2.75E+04	4.96E+04	1.00E+04	3.23E+04	3.52E+00	6.21E+01	1.52E+04	3.64E+03	7.77E+03
	Mean	2.39E+01	5.29E+02	8.24E+03	6.88E+03	1.19E+03	1.22E+04	2.94E+01	4.81E+02	6.07E+01	1.17E+04	7.14E+03
15	Median	2.34E+01	5.27E+02	5.26E+03	5.52E+03	9.24E+02	1.59E+04	2.93E+01	4.88E+02	5.88E+01	1.19E+04	6.06E+03
	Best	1.89E+01	3.50E+02	3.88E+02	2.18E+02 5.91E+03	2.15E+02	1.50E+02	9.59E+00	2.42E+02	1.46E+01	4.63E+03	2.67E+03
	Std. Mean	2.49E+00 4.51E+02	1.15E+02 8.90E+02	7.00E+03 1.31E+03	8.47E+02	7.80E+02 1.24E+03	7.87E+03 1.40E+03	5.20E+00 3.46E+02	1.42E+02 1.00E+03	2.19E+01 1.27E+03	3.78E+03 9.67E+02	3.42E+03 8.60E+02
	Median	4.77E+02	8.69E+02	1.29E+03	8.09E+02	1.24E+03 1.29E+03	1.40E+03 1.41E+03	3.44E+02	1.00E+03	1.27E+03 1.29E+03	9.07E+02 9.77E+02	8.71E+02
16	Best	1.35E+02	1.49E+02	4.45E+02	3.96E+02	4.86E+02	9.11E+02	1.25E+02	2.56E+02	8.60E+02	5.56E+02	3.91E+02
	Std.	1.38E+02	3.66E+02	4.08E+02	3.05E+02	2.28E+02	2.55E+02	1.46E+02	2.60E+02	1.52E+02	1.82E+02	2.27E+02
	Mean	2.83E+02	3.98E+02	8.88E+02	8.53E+02	1.03E+03	9.49E+02	2.75E+02	1.27E+03	9.55E+02	7.90E+02	8.09E+02
17	Median	2.60E+02	3.80E+02	8.86E+02	7.35E+02	1.06E+03	9.61E+02	2.61E+02	1.35E+03	9.63E+02	7.84E+02	8.38E+02
	Best	8.54E+01	8.65E+01	3.47E+02	3.09E+02	6.50E+02	5.58E+02	6.28E+01	5.73E+02	6.20E+02	4.72E+02	3.95E+02
	Std.	8.61E+01	1.58E+02	2.65E+02	4.12E+02	1.54E+02	2.18E+02	8.63E+01	3.13E+02	1.08E+02	1.24E+02	1.81E+02
	Mean Median	2.43E+01 2.39E+01	3.57E+02 3.48E+02	1.81E+05 1.65E+05	1.15E+06 1.02E+06	2.09E+05 1.98E+05	1.88E+05 1.76E+05	3.20E+01 3.05E+01	2.53E+02 2.27E+02	1.21E+02 9.85E+01	1.41E+05 1.39E+05	7.96E+04 7.75E+04
18	Best	2.39E+01 2.05E+01	6.31E+01	4.04E+04	3.46E+05	6.63E+04	3.75E+04	2.25E+01	8.98E+01	3.73E+01	7.06E+04	3.70E+04
	Std.	2.02E+00	1.56E+02	8.14E+04	5.13E+05	8.67E+04	9.98E+04	5.99E+00	9.86E+01	6.72E+01	4.77E+04	2.59E+04

1.41E+01 1.39E+01 1.04E+01 2.26E+00 1.40E+02 1.13E+02 5.12E+01 7.74E+01 2.19E+02 2.12E+02 3.77E+00 1.49E+03 1.00E+02 1.75E+03 4.30E+02 4.30E+02 4.10E+02 5.07E+02 5.07E+02 5.00E+02 4.13E+00 4.81E+00	1.39E+02 1.25E+02 7.44E+01 4.77E+01 5.47E+02 5.39E+02 7.78E+01 2.33E+02 2.06E+02 2.06E+02 2.06E+02 3.23E+00 2.05E+03 1.56E+03 1.56E+03 4.23E+02 4.21E+02 3.96E+02 1.39E+01 4.91E+02 4.90E+02 4.81E+02 4.81E+02	9.64E+03 8.30E+03 1.82E+02 8.85E+03 6.54E+02 1.16E+02 2.79E+02 4.01E+02 3.31E+02 4.05E+01 4.78E+03 5.41E+03 5.41E+03 6.46E+02 6.35E+02 5.65E+01 7.31E+02 7.21E+02 6.08E+02 7.36E+01	1.45E+04 1.32E+04 1.08E+02 9.40E+03 1.04E+03 1.13E+03 1.68E+02 2.81E+02 2.81E+02 2.45E+02 1.52E+01 6.56E+03 1.19E+04 1.00E+02 6.40E+03 5.67E+02 4.89E+02 3.40E+01 6.75E+02 6.75E+02 4.75E+01	8.67E+03 9.60E+03 1.23E+03 1.23E+03 3.91E+02 3.44E+02 1.92E+02 4.33E+02 4.33E+02 2.14E+01 5.97E+03 6.11E+03 1.03E+02 9.89E+02 1.06E+03 1.07E+03 8.83E+02 7.09E+01 1.08E+03 1.08E+03 8.68E+02 7.07E+01	2.42E+04 2.49E+04 8.48E+01 1.32E+04 7.98E+02 7.58E+02 3.53E+02 3.46E+02 2.99E+02 2.05E+01 5.07E+03 5.18E+03 1.00E+02 9.46E+02 2.73E+01 8.22E+02 8.17E+02 7.05E+02	2.45E+01 2.44E+01 1.71E+01 3.94E+00 1.47E+02 1.21E+02 5.76E+01 7.44E+01 2.11E+02 2.10E+02 2.02E+02 4.06E+00 3.65E+02 1.00E+02 9.24E+02 4.34E+02 4.34E+02 4.15E+02 8.16E+00 5.06E+02 4.99E+02	2.14E+02 1.86E+02 1.22E+02 7.41E+01 1.80E+03 1.62E+03 9.99E+01 3.71E+02 3.56E+02 2.78E+02 6.12E+01 1.08E+04 1.08E+04 1.00E+04 3.28E+02 2.71E+03 2.69E+03 2.20E+03 3.10E+03 3.60E+03 3.56E+02	3.10E+01 2.86E+01 1.85E+01 9.39E+00 7.86E+02 7.92E+02 5.22E+02 3.25E+02 3.24E+02 2.98E+02 9.77E+00 1.04E+03 8.52E+02 5.23E+02 1.04E+03 5.42E+02 5.21E+02 9.74E+00 5.77E+00	8.83E+04 7.22E+04 3.83E+03 7.27E+04 5.92E+02 6.21E+02 2.71E+02 1.32E+02 3.57E+02 3.58E+02 3.26E+02 1.73E+01 4.07E+03 5.03E+03 1.00E+02 2.12E+03 6.56E+02 6.57E+02 5.89E+02 3.37E+01 7.25E+02 7.28E+02	7.27E+04 6.48E+04 1.26E+04 4.30E+04 7.13E+02 6.76E+02 2.89E+02 2.55E+02 2.55E+02 2.40E+02 1.11E+01 4.39E+03 4.54E+03 1.00E+02 1.11E+03 5.36E+02 5.37E+02 4.43E+02 2.94E+01 5.82E+02
1.04E+01 2.26E+00 1.40E+02 1.13E+02 5.12E+01 7.74E+01 2.19E+02 2.12E+02 3.77E+00 1.49E+03 1.00E+02 1.00E+02 4.30E+02 4.30E+02 4.10E+02 5.07E+02 5.07E+02 5.07E+02	7.44E+01 4.77E+01 5.47E+02 5.39E+02 7.78E+01 2.33E+02 2.06E+02 2.06E+02 2.06E+03 1.56E+03 1.00E+02 1.76E+03 4.23E+02 4.21E+02 3.96E+02 1.39E+01 4.91E+02 4.90E+02 4.83E+02 5.73E+00	1.82E+02 8.85E+03 6.54E+02 6.57E+02 1.16E+02 2.79E+02 4.01E+02 3.31E+02 4.05E+01 4.78E+03 5.41E+03 1.00E+02 2.04E+03 6.46E+02 6.35E+02 5.65E+01 7.31E+02 7.21E+02 6.08E+02 7.36E+01	1.08E+02 9.40E+03 1.04E+03 1.13E+03 1.13E+02 3.87E+02 2.81E+02 2.45E+02 1.52E+01 6.56E+03 1.19E+04 1.00E+02 5.67E+02 4.89E+02 3.40E+01 6.75E+02 5.71E+02	1.23E+03 3.91E+03 7.70E+02 8.11E+02 3.44E+02 1.92E+02 4.33E+02 4.33E+02 2.14E+01 5.97E+03 6.11E+03 1.03E+02 9.89E+02 1.06E+03 1.07E+03 8.83E+02 7.09E+01 1.08E+03 8.68E+03	8.48E+01 1.32E+04 7.98E+02 7.58E+02 3.53E+02 2.31E+02 3.46E+02 3.46E+02 2.99E+02 2.05E+01 5.07E+03 5.18E+03 1.00E+02 9.46E+02 5.39E+02 6.01E+02 5.35E+02 2.73E+01 8.22E+02 8.17E+02 7.05E+02	1.71E+01 3.94E+00 1.47E+02 1.21E+02 5.76E+01 7.44E+01 2.11E+02 2.02E+02 4.06E+00 3.65E+02 1.00E+02 9.24E+02 4.34E+02 4.34E+02 4.15E+02 8.16E+00 5.06E+02 5.06E+02	1.22E+02 7.41E+01 1.80E+03 1.85E+03 1.62E+03 9.99E+01 3.71E+02 3.56E+02 2.78E+02 6.12E+01 1.08E+04 1.00E+04 3.28E+02 2.71E+03 2.20E+03 2.20E+03 3.10E+03 3.60E+03	1.85E+01 9.39E+00 7.86E+02 7.92E+02 5.22E+02 1.20E+02 3.25E+02 3.24E+02 2.98E+02 9.77E+00 1.04E+03 8.52E+02 5.23E+02 1.04E+03 5.42E+02 5.42E+02 5.71E+00 5.77E+00 5.77E+00 5.77E+00	3.83E+03 7.27E+04 5.92E+02 6.21E+02 2.71E+02 1.32E+02 3.57E+02 3.58E+02 3.26E+02 1.73E+01 4.07E+03 5.03E+03 1.00E+02 2.12E+03 6.56E+02 6.57E+02 5.89E+02 3.37E+01 7.25E+02 7.28E+02	1.26E+04 4.30E+04 7.13E+02 6.76E+02 2.89E+02 2.55E+02 2.54E+02 2.40E+02 1.11E+01 4.39E+03 4.54E+03 1.00E+02 1.11E+03 5.36E+02 5.37E+02 2.94E+01 5.82E+02
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1.40E+02 1.13E+02 5.12E+01 7.74E+01 2.19E+02 2.19E+02 2.12E+02 3.77E+00 1.49E+03 1.00E+02 1.00E+02 4.30E+02 4.30E+02 4.10E+02 6.24E+00 5.07E+02 5.07E+02 5.00E+02 4.13E+00	5.47E+02 5.39E+02 7.78E+01 2.33E+02 2.06E+02 2.06E+02 2.05E+03 1.56E+03 1.00E+02 1.76E+03 4.23E+02 4.21E+02 3.96E+02 1.39E+01 4.91E+02 4.90E+02 4.83E+02 5.73E+00	6.54E+02 6.57E+02 1.16E+02 2.79E+02 4.02E+02 4.01E+02 3.31E+02 4.05E+01 4.78E+03 5.41E+03 1.00E+02 2.04E+03 6.46E+02 6.35E+02 5.65E+01 7.31E+02 7.21E+02 6.08E+02 7.36E+01	1.04E+03 1.13E+03 1.68E+02 3.87E+02 2.81E+02 2.81E+02 2.45E+02 1.52E+01 6.56E+03 1.19E+04 1.00E+02 6.40E+03 5.66E+02 5.67E+02 4.89E+02 3.40E+01 6.75E+02 6.72E+02 5.71E+02	7.70E+02 8.11E+02 3.44E+02 1.92E+02 4.33E+02 4.33E+02 2.14E+01 5.97E+03 6.11E+03 1.03E+02 9.89E+02 1.06E+03 1.07E+03 8.83E+02 7.09E+01 1.08E+03 8.68E+03	7.98E+02 7.58E+02 3.53E+02 3.46E+02 3.46E+02 2.99E+02 2.05E+01 5.07E+03 5.18E+03 1.00E+02 9.46E+02 5.99E+02 6.01E+02 5.35E+02 2.73E+01 8.22E+02 8.17E+02 7.05E+02	1.47E+02 1.21E+02 5.76E+01 7.44E+01 2.11E+02 2.02E+02 4.06E+00 3.65E+02 1.00E+02 9.24E+02 4.34E+02 4.34E+02 4.15E+02 5.06E+02 5.06E+02	1.80E+03 1.85E+03 1.62E+03 9.99E+01 3.71E+02 3.56E+02 2.78E+02 6.12E+01 1.08E+04 1.08E+04 1.00E+04 3.28E+02 2.71E+03 2.69E+03 2.20E+03 3.10E+03 3.60E+03	7.86E+02 7.92E+02 5.22E+02 1.20E+02 3.25E+02 3.24E+02 2.98E+02 9.77E+00 1.04E+03 8.52E+02 5.23E+02 1.04E+03 5.42E+02 5.42E+02 5.71E+02 5.77E+00 5.77E+00	5.92E+02 6.21E+02 2.71E+02 1.32E+02 3.57E+02 3.58E+02 3.26E+02 1.73E+01 4.07E+03 5.03E+03 1.00E+02 2.12E+03 6.56E+02 6.57E+02 5.89E+02 3.37E+01 7.25E+02 7.28E+02	7.13E+02 6.76E+02 2.89E+02 2.05E+02 2.55E+02 2.54E+02 2.40E+02 1.11E+01 4.39E+03 4.54E+03 1.00E+02 1.11E+03 5.36E+02 5.37E+02 4.43E+02 2.94E+01 5.82E+02
1.13E+02 5.12E+01 7.74E+01 2.19E+02 2.19E+02 2.12E+02 3.77E+00 1.49E+03 1.00E+02 1.00E+02 1.75E+03 4.30E+02 4.30E+02 4.10E+02 5.07E+02 5.07E+02 5.00E+02 4.13E+00	5.39E+02 7.78E+01 2.33E+02 2.06E+02 2.06E+02 2.06E+02 3.23E+00 2.05E+03 1.56E+03 1.00E+02 1.76E+03 4.23E+02 4.21E+02 3.96E+02 1.39E+01 4.90E+02 4.83E+02 5.73E+00	6.57E+02 1.16E+02 2.79E+02 4.02E+02 4.01E+02 3.31E+02 4.05E+01 4.78E+03 5.41E+03 5.41E+03 6.46E+02 6.35E+02 5.65E+02 5.65E+01 7.31E+02 7.21E+02 6.08E+02 7.36E+01	1.13E+03 1.68E+02 3.87E+02 2.81E+02 2.81E+02 2.45E+02 1.52E+01 6.56E+03 1.19E+04 1.00E+02 6.40E+03 5.66E+02 5.67E+02 4.89E+02 3.40E+01 6.75E+02 6.72E+02 5.71E+02	8.11E+02 3.44E+02 1.92E+02 4.33E+02 4.33E+02 3.81E+02 2.14E+01 5.97E+03 6.11E+03 1.03E+02 9.89E+02 1.06E+03 1.07E+03 8.83E+02 7.09E+01 1.08E+03 8.68E+03	7.58E+02 3.53E+02 2.31E+02 3.46E+02 3.46E+02 2.99E+01 5.07E+03 5.18E+03 1.00E+02 9.46E+02 5.99E+02 6.01E+02 5.35E+02 2.73E+01 8.22E+02 8.17E+02 7.05E+02	1.21E+02 5.76E+01 7.44E+01 2.11E+02 2.10E+02 2.02E+02 4.06E+00 3.65E+02 1.00E+02 9.24E+02 4.34E+02 4.34E+02 4.15E+02 8.16E+00 5.06E+02	1.85E+03 1.62E+03 9.99E+01 3.71E+02 3.56E+02 2.78E+02 6.12E+01 1.08E+04 1.00E+04 3.28E+02 2.71E+03 2.69E+03 2.20E+03 2.18E+02 3.10E+03 3.60E+03	7.92E+02 5.22E+02 1.20E+02 3.25E+02 3.24E+02 9.77E+00 1.04E+03 8.52E+02 5.23E+02 1.04E+03 5.42E+02 5.42E+02 5.21E+02 9.74E+00 5.77E+02 5.76E+02	6.21E+02 2.71E+02 1.32E+02 3.57E+02 3.58E+02 3.26E+02 1.73E+01 4.07E+03 5.03E+03 1.00E+02 2.12E+03 6.56E+02 6.57E+02 5.89E+02 3.37E+01 7.25E+02 7.28E+02	6.76E+02 2.89E+02 2.05E+02 2.55E+02 2.54E+02 2.40E+02 1.11E+01 4.39E+03 4.54E+03 1.00E+02 1.11E+03 5.36E+02 5.37E+02 4.43E+02 2.94E+01
5.12E+01 7.74E+01 2.19E+02 2.19E+02 2.12E+02 3.77E+00 1.49E+03 1.00E+02 1.75E+03 4.30E+02 4.10E+02 6.24E+00 5.07E+02 5.07E+02 5.00E+02 4.13E+00	7.78E+01 2.33E+02 2.06E+02 2.06E+02 2.06E+02 3.23E+00 2.05E+03 1.56E+03 1.00E+02 1.76E+03 4.23E+02 4.21E+02 3.96E+02 1.39E+01 4.91E+02 4.90E+02 4.83E+02 5.73E+00	1.16E+02 2.79E+02 4.02E+02 4.01E+02 3.31E+02 4.05E+01 4.78E+03 5.41E+03 1.00E+02 2.04E+03 6.46E+02 5.65E+02 5.66E+01 7.31E+02 7.21E+02 6.08E+02 7.36E+01	1.68E+02 3.87E+02 2.81E+02 2.81E+02 2.45E+02 1.52E+01 6.56E+03 1.19E+04 1.00E+02 6.40E+03 5.66E+02 5.67E+02 4.89E+02 3.40E+01 6.75E+02 5.71E+02	3.44E+02 1.92E+02 4.33E+02 4.37E+02 2.14E+01 5.97E+03 6.11E+03 1.03E+02 9.89E+02 1.06E+03 1.07E+03 8.83E+02 7.09E+01 1.08E+03 8.68E+03	3.53E+02 2.31E+02 3.46E+02 3.46E+02 2.99E+02 2.05E+01 5.07E+03 5.18E+03 1.00E+02 9.46E+02 5.39E+02 6.01E+02 5.35E+02 2.73E+01 8.22E+02 8.17E+02 7.05E+02	5.76E+01 7.44E+01 2.11E+02 2.02E+02 4.06E+00 3.65E+02 1.00E+02 9.24E+02 4.34E+02 4.34E+02 4.15E+02 8.16E+00 5.06E+02	1.62E+03 9.99E+01 3.71E+02 3.56E+02 2.78E+02 6.12E+01 1.08E+04 1.00E+04 3.28E+02 2.71E+03 2.69E+03 2.20E+03 2.18E+02 3.10E+03 3.60E+03	5.22E+02 1.20E+02 3.25E+02 3.24E+02 2.98E+02 9.77E+00 1.04E+03 8.52E+02 5.23E+02 1.04E+03 5.42E+02 5.42E+02 5.21E+02 9.74E+00 5.77E+02 5.76E+02	2.71E+02 1.32E+02 3.57E+02 3.58E+02 3.26E+02 1.73E+01 4.07E+03 5.03E+03 1.00E+02 2.12E+03 6.56E+02 6.57E+02 5.89E+02 3.37E+01 7.25E+02 7.28E+02	2.89E+02 2.05E+02 2.55E+02 2.55E+02 2.40E+02 2.40E+02 1.11E+01 4.39E+03 1.00E+02 1.11E+03 5.36E+02 5.37E+02 2.94E+01 5.82E+02
7.74E+01 2.19E+02 2.19E+02 2.12E+02 3.77E+00 1.49E+03 1.00E+02 1.00E+02 1.75E+03 4.30E+02 4.30E+02 4.10E+02 6.24E+00 5.07E+02 5.07E+02 5.00E+02 4.13E+00	2.33E+02 2.06E+02 2.06E+02 2.00E+02 3.23E+00 2.05E+03 1.56E+03 1.00E+02 1.76E+03 4.23E+02 4.21E+02 3.96E+02 1.39E+01 4.90E+02 4.83E+02 5.73E+00	2.79E+02 4.02E+02 4.01E+02 3.31E+02 4.05E+01 4.78E+03 5.41E+03 1.00E+02 2.04E+03 6.46E+02 6.35E+02 5.65E+02 7.31E+02 7.21E+02 6.08E+02 7.36E+01	3.87E+02 2.81E+02 2.81E+02 2.45E+02 1.52E+01 6.56E+03 1.19E+04 1.00E+02 6.40E+03 5.66E+02 5.67E+02 4.89E+02 3.40E+01 6.75E+02 6.72E+02 5.71E+02	1.92E+02 4.33E+02 4.37E+02 3.81E+02 2.14E+01 5.97E+03 6.11E+03 1.03E+02 9.89E+02 1.06E+03 1.07E+03 8.83E+02 7.09E+01 1.08E+03 8.68E+02	2.31E+02 3.46E+02 3.46E+02 2.99E+02 2.99E+01 5.07E+03 5.18E+03 1.00E+02 9.46E+02 5.99E+02 6.01E+02 5.35E+02 2.73E+01 8.22E+02 8.17E+02 7.05E+02	7.44E+01 2.11E+02 2.10E+02 2.02E+02 4.06E+00 3.65E+02 1.00E+02 9.24E+02 4.34E+02 4.15E+02 8.16E+00 5.06E+02 5.06E+02	9.99E+01 3.71E+02 3.56E+02 2.78E+02 6.12E+01 1.08E+04 1.00E+04 3.28E+02 2.71E+03 2.00E+03 2.10E+03 3.60E+03	1.20E+02 3.25E+02 3.24E+02 2.98E+02 9.77E+00 1.04E+03 8.52E+02 5.23E+02 1.04E+03 5.42E+02 5.21E+02 9.74E+00 5.77E+02 5.76E+02	1.32E+02 3.57E+02 3.58E+02 3.26E+02 1.73E+01 4.07E+03 5.03E+03 1.00E+02 2.12E+03 6.56E+02 6.57E+02 5.89E+02 3.37E+01 7.25E+02 7.28E+02	2.05E+02 2.55E+02 2.54E+02 2.40E+02 1.11E+01 4.39E+03 1.00E+02 1.11E+03 5.36E+02 5.37E+02 4.43E+02 5.37E+02 5.32E+02
2.19E+02 2.19E+02 2.12E+02 3.77E+00 1.49E+03 1.00E+02 1.00E+02 1.75E+03 4.30E+02 4.30E+02 4.10E+02 6.24E+00 5.07E+02 5.07E+02 4.13E+00	2.06E+02 2.06E+02 2.00E+02 3.23E+00 2.05E+03 1.56E+03 1.00E+02 1.76E+03 4.23E+02 4.21E+02 3.96E+02 1.39E+01 4.91E+02 4.90E+02 4.83E+02 5.73E+00	4.02E+02 4.01E+02 3.31E+02 4.05E+01 4.78E+03 5.41E+03 1.00E+02 2.04E+03 6.46E+02 6.35E+02 5.65E+02 7.31E+02 7.21E+02 6.08E+02 7.36E+01	2.81E+02 2.81E+02 2.45E+02 1.52E+01 6.56E+03 1.19E+04 1.00E+02 6.40E+03 5.66E+02 5.67E+02 4.89E+02 3.40E+01 6.75E+02 6.72E+02 5.71E+02	4.33E+02 4.37E+02 3.81E+02 2.14E+01 5.97E+03 6.11E+03 1.03E+02 9.89E+02 1.06E+03 1.07E+03 8.83E+02 7.09E+01 1.08E+03 8.68E+02	3.46E+02 3.46E+02 2.99E+02 2.05E+01 5.07E+03 5.18E+03 1.00E+02 9.46E+02 5.99E+02 6.01E+02 2.73E+01 8.22E+02 8.17E+02 7.05E+02	2.11E+02 2.10E+02 2.02E+02 4.06E+00 3.65E+02 1.00E+02 9.24E+02 4.34E+02 4.15E+02 8.16E+00 5.06E+02	3.71E+02 3.56E+02 2.78E+02 6.12E+01 1.08E+04 1.00E+04 3.28E+02 2.71E+03 2.00E+03 2.20E+03 2.18E+02 3.10E+03 3.60E+03	3.25E+02 3.24E+02 2.98E+02 9.77E+00 1.04E+03 8.52E+02 5.23E+02 1.04E+03 5.42E+02 5.42E+02 5.21E+02 9.74E+00 5.77E+02 5.76E+02	3.57E+02 3.58E+02 3.26E+02 1.73E+01 4.07E+03 5.03E+03 1.00E+02 2.12E+03 6.56E+02 6.57E+02 5.89E+02 3.37E+01 7.25E+02 7.28E+02	2.55E+02 2.54E+02 2.40E+02 1.11E+01 4.39E+03 4.54E+03 1.00E+02 1.11E+03 5.36E+02 5.37E+02 4.43E+02 2.94E+01
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1.49E+03 1.00E+02 1.00E+02 1.75E+03 4.30E+02 4.30E+02 4.10E+02 6.24E+00 5.07E+02 5.07E+02 5.00E+02 4.13E+00	2.05E+03 1.56E+03 1.00E+02 1.76E+03 4.23E+02 4.21E+02 3.96E+02 1.39E+01 4.91E+02 4.90E+02 4.83E+02 5.73E+00	4.78E+03 5.41E+03 1.00E+02 2.04E+03 6.46E+02 6.35E+02 5.65E+01 7.31E+02 7.21E+02 6.08E+02 7.36E+01	6.56E+03 1.19E+04 1.00E+02 6.40E+03 5.66E+02 5.67E+02 4.89E+02 3.40E+01 6.75E+02 6.72E+02 5.71E+02	5.97E+03 6.11E+03 1.03E+02 9.89E+02 1.06E+03 1.07E+03 8.83E+02 7.09E+01 1.08E+03 8.68E+02	5.07E+03 5.18E+03 1.00E+02 9.46E+02 5.99E+02 6.01E+02 5.35E+02 2.73E+01 8.22E+02 8.17E+02 7.05E+02	3.65E+02 1.00E+02 1.00E+02 9.24E+02 4.34E+02 4.34E+02 4.15E+02 8.16E+00 5.06E+02 5.06E+02	1.08E+04 1.08E+04 1.00E+04 3.28E+02 2.71E+03 2.69E+03 2.20E+03 2.18E+02 3.10E+03 3.60E+03	1.04E+03 8.52E+02 5.23E+02 1.04E+03 5.42E+02 5.42E+02 5.21E+02 9.74E+00 5.77E+02 5.76E+02	4.07E+03 5.03E+03 1.00E+02 2.12E+03 6.56E+02 6.57E+02 5.89E+02 3.37E+01 7.25E+02 7.28E+02	4.39E+03 4.54E+03 1.00E+02 1.11E+03 5.36E+02 5.37E+02 4.43E+02 2.94E+01 5.82E+02
1.00E+02 1.00E+02 1.75E+03 4.30E+02 4.30E+02 4.10E+02 6.24E+00 5.07E+02 5.07E+02 5.00E+02 4.13E+00	1.56E+03 1.00E+02 1.76E+03 4.23E+02 4.21E+02 3.96E+02 1.39E+01 4.91E+02 4.90E+02 4.83E+02 5.73E+00	5.41E+03 1.00E+02 2.04E+03 6.46E+02 6.35E+02 5.65E+02 5.66E+01 7.31E+02 6.08E+02 7.36E+01	1.19E+04 1.00E+02 6.40E+03 5.66E+02 5.67E+02 4.89E+02 3.40E+01 6.75E+02 6.72E+02 5.71E+02	6.11E+03 1.03E+02 9.89E+02 1.06E+03 1.07E+03 8.83E+02 7.09E+01 1.08E+03 8.68E+02	5.18E+03 1.00E+02 9.46E+02 5.99E+02 6.01E+02 5.35E+02 2.73E+01 8.22E+02 8.17E+02 7.05E+02	1.00E+02 1.00E+02 9.24E+02 4.34E+02 4.34E+02 4.15E+02 8.16E+00 5.06E+02 5.06E+02	1.08E+04 1.00E+04 3.28E+02 2.71E+03 2.69E+03 2.20E+03 2.18E+02 3.10E+03 3.60E+03	8.52E+02 5.23E+02 1.04E+03 5.42E+02 5.42E+02 5.21E+02 9.74E+00 5.77E+02 5.76E+02	5.03E+03 1.00E+02 2.12E+03 6.56E+02 6.57E+02 5.89E+02 3.37E+01 7.25E+02 7.28E+02	4.54E+03 1.00E+02 1.11E+03 5.36E+02 5.37E+02 4.43E+02 2.94E+01 5.82E+02
1.00E+02 1.75E+03 4.30E+02 4.30E+02 4.10E+02 6.24E+00 5.07E+02 5.07E+02 5.00E+02 4.13E+00	1.00E+02 1.76E+03 4.23E+02 4.21E+02 3.96E+02 1.39E+01 4.91E+02 4.90E+02 4.83E+02 5.73E+00	1.00E+02 2.04E+03 6.46E+02 6.35E+02 5.65E+02 5.66E+01 7.31E+02 7.21E+02 6.08E+02 7.36E+01	1.00E+02 6.40E+03 5.66E+02 5.67E+02 4.89E+02 3.40E+01 6.75E+02 6.72E+02 5.71E+02	1.03E+02 9.89E+02 1.06E+03 1.07E+03 8.83E+02 7.09E+01 1.08E+03 1.08E+03 8.68E+02	1.00E+02 9.46E+02 5.99E+02 6.01E+02 5.35E+02 2.73E+01 8.22E+02 8.17E+02 7.05E+02	1.00E+02 9.24E+02 4.34E+02 4.34E+02 4.15E+02 8.16E+00 5.06E+02 5.06E+02	1.00E+04 3.28E+02 2.71E+03 2.69E+03 2.20E+03 2.18E+02 3.10E+03 3.60E+03	5.23E+02 1.04E+03 5.42E+02 5.42E+02 5.21E+02 9.74E+00 5.77E+02 5.76E+02	1.00E+02 2.12E+03 6.56E+02 6.57E+02 5.89E+02 3.37E+01 7.25E+02 7.28E+02	1.00E+02 1.11E+03 5.36E+02 5.37E+02 4.43E+02 2.94E+01 5.82E+02
1.75E+03 4.30E+02 4.30E+02 4.10E+02 6.24E+00 5.07E+02 5.07E+02 5.00E+02 4.13E+00	1.76E+03 4.23E+02 4.21E+02 3.96E+02 1.39E+01 4.91E+02 4.90E+02 4.83E+02 5.73E+00	2.04E+03 6.46E+02 6.35E+02 5.65E+02 5.66E+01 7.31E+02 7.21E+02 6.08E+02 7.36E+01	6.40E+03 5.66E+02 5.67E+02 4.89E+02 3.40E+01 6.75E+02 6.72E+02 5.71E+02	9.89E+02 1.06E+03 1.07E+03 8.83E+02 7.09E+01 1.08E+03 1.08E+03 8.68E+02	9.46E+02 5.99E+02 6.01E+02 5.35E+02 2.73E+01 8.22E+02 8.17E+02 7.05E+02	9.24E+02 4.34E+02 4.34E+02 4.15E+02 8.16E+00 5.06E+02 5.06E+02	3.28E+02 2.71E+03 2.69E+03 2.20E+03 2.18E+02 3.10E+03 3.60E+03	1.04E+03 5.42E+02 5.42E+02 5.21E+02 9.74E+00 5.77E+02 5.76E+02	2.12E+03 6.56E+02 6.57E+02 5.89E+02 3.37E+01 7.25E+02 7.28E+02	1.11E+03 5.36E+02 5.37E+02 4.43E+02 2.94E+01 5.82E+02
4.30E+02 4.30E+02 4.10E+02 6.24E+00 5.07E+02 5.07E+02 5.00E+02 4.13E+00	4.23E+02 4.21E+02 3.96E+02 1.39E+01 4.91E+02 4.90E+02 4.83E+02 5.73E+00	6.46E+02 6.35E+02 5.65E+02 5.66E+01 7.31E+02 7.21E+02 6.08E+02 7.36E+01	5.66E+02 5.67E+02 4.89E+02 3.40E+01 6.75E+02 6.72E+02 5.71E+02	1.06E+03 1.07E+03 8.83E+02 7.09E+01 1.08E+03 1.08E+03 8.68E+02	5.99E+02 6.01E+02 5.35E+02 2.73E+01 8.22E+02 8.17E+02 7.05E+02	4.34E+02 4.34E+02 4.15E+02 8.16E+00 5.06E+02 5.06E+02	2.71E+03 2.69E+03 2.20E+03 2.18E+02 3.10E+03 3.60E+03	5.42E+02 5.42E+02 5.21E+02 9.74E+00 5.77E+02 5.76E+02	6.56E+02 6.57E+02 5.89E+02 3.37E+01 7.25E+02 7.28E+02	5.36E+02 5.37E+02 4.43E+02 2.94E+01 5.82E+02
4.30E+02 4.10E+02 6.24E+00 5.07E+02 5.07E+02 5.00E+02 4.13E+00	4.21E+02 3.96E+02 1.39E+01 4.91E+02 4.90E+02 4.83E+02 5.73E+00	6.35E+02 5.65E+02 5.66E+01 7.31E+02 7.21E+02 6.08E+02 7.36E+01	5.67E+02 4.89E+02 3.40E+01 6.75E+02 6.72E+02 5.71E+02	1.07E+03 8.83E+02 7.09E+01 1.08E+03 1.08E+03 8.68E+02	6.01E+02 5.35E+02 2.73E+01 8.22E+02 8.17E+02 7.05E+02	4.34E+02 4.15E+02 8.16E+00 5.06E+02 5.06E+02	2.69E+03 2.20E+03 2.18E+02 3.10E+03 3.60E+03	5.42E+02 5.21E+02 9.74E+00 5.77E+02 5.76E+02	6.57E+02 5.89E+02 3.37E+01 7.25E+02 7.28E+02	5.37E+02 4.43E+02 2.94E+01 5.82E+02
4.10E+02 6.24E+00 5.07E+02 5.07E+02 5.00E+02 4.13E+00	3.96E+02 1.39E+01 4.91E+02 4.90E+02 4.83E+02 5.73E+00	5.65E+02 5.66E+01 7.31E+02 7.21E+02 6.08E+02 7.36E+01	4.89E+02 3.40E+01 6.75E+02 6.72E+02 5.71E+02	8.83E+02 7.09E+01 1.08E+03 1.08E+03 8.68E+02	5.35E+02 2.73E+01 8.22E+02 8.17E+02 7.05E+02	4.15E+02 8.16E+00 5.06E+02 5.06E+02	2.20E+03 2.18E+02 3.10E+03 3.60E+03	5.21E+02 9.74E+00 5.77E+02 5.76E+02	5.89E+02 3.37E+01 7.25E+02 7.28E+02	4.43E+02 2.94E+01 5.82E+02
6.24E+00 5.07E+02 5.07E+02 5.00E+02 4.13E+00	1.39E+01 4.91E+02 4.90E+02 4.83E+02 5.73E+00	5.66E+01 7.31E+02 7.21E+02 6.08E+02 7.36E+01	3.40E+01 6.75E+02 6.72E+02 5.71E+02	7.09E+01 1.08E+03 1.08E+03 8.68E+02	2.73E+01 8.22E+02 8.17E+02 7.05E+02	8.16E+00 5.06E+02 5.06E+02	2.18E+02 3.10E+03 3.60E+03	9.74E+00 5.77E+02 5.76E+02	3.37E+01 7.25E+02 7.28E+02	2.94E+01 5.82E+02
5.07E+02 5.07E+02 5.00E+02 4.13E+00	4.91E+02 4.90E+02 4.83E+02 5.73E+00	7.31E+02 7.21E+02 6.08E+02 7.36E+01	6.75E+02 6.72E+02 5.71E+02	1.08E+03 1.08E+03 8.68E+02	8.22E+02 8.17E+02 7.05E+02	5.06E+02 5.06E+02	3.10E+03 3.60E+03	5.77E+02 5.76E+02	7.25E+02 7.28E+02	5.82E+02
5.07E+02 5.00E+02 4.13E+00	4.90E+02 4.83E+02 5.73E+00	7.21E+02 6.08E+02 7.36E+01	6.72E+02 5.71E+02	1.08E+03 8.68E+02	8.17E+02 7.05E+02	5.06E+02	3.60E+03	5.76E+02	7.28E+02	
5.00E+02 4.13E+00	4.83E+02 5.73E+00	6.08E+02 7.36E+01	5.71E+02	8.68E+02	7.05E+02			!		5.79E+02
4.13E+00	5.73E+00	7.36E+01	1	!	1	4.99E+02	5.55E+02	5.5CE . 00	1 1	
			4.75E+01	7.07E+01	l .			5.56E+02	6.14E+02	5.49E+02
4.81E+02	4.81E±02			7.07ET01	5.02E+01	3.85E+00	1.45E+03	1.11E+01	3.57E+01	2.35E+01
		5.21E+02	6.16E+02	5.41E+02	5.12E+02	4.89E+02	5.70E+02	5.32E+02	5.04E+02	4.98E+02
4.80E+02	4.80E+02	5.22E+02	6.16E+02	5.45E+02	5.21E+02	4.80E+02	5.34E+02	5.28E+02	5.18E+02	5.14E+02
4.77E+02	4.58E+02	4.63E+02	5.57E+02	4.62E+02	4.60E+02	4.80E+02	4.59E+02	4.80E+02	4.29E+02	4.29E+02
2.80E+00	5.18E+00	3.03E+01	2.68E+01	2.77E+01	2.48E+01	2.47E+01	9.61E+01	2.49E+01	2.90E+01	2.39E+01
1.13E+03	6.55E+02	3.42E+03	2.93E+03	5.45E+03	2.81E+03	7.06E+02	3.00E+02	2.03E+03	3.11E+03	1.85E+03
1.13E+03	5.85E+02	3.28E+03	2.85E+03	6.80E+03	I	9.06E+02	3.00E+02	2.04E+03	3.30E+03	1.88E+03
9.66E+02	3.00E+02	3.00E+02	8.32E+02	3.00E+02	2.36E+03	3.00E+02	3.00E+02	1.76E+03	3.00E+02	3.00E+02
5.62E+01	3.01E+02	7.82E+02	6.02E+02	2.59E+03	1.88E+02	4.06E+02	0.00E+00	1.02E+02	8.68E+02	2.86E+02
5.11E+02	6.08E+02	6.72E+02	8.68E+02	1.46E+03	6.76E+02	5.22E+02	5.35E+03	5.62E+02	7.36E+02	6.03E+02
5.12E+02	5.87E+02	6.54E+02	8.81E+02	1.47E+03	6.81E+02	5.23E+02	5.89E+03	5.61E+02	7.39E+02	6.03E+02
4.77E+02	5.27E+02	5.43E+02	5.90E+02	1.05E+03	5.69E+02	5.03E+02	5.76E+02	5.26E+02	6.08E+02	5.42E+02
1.11E+01	5.86E+01	7.26E+01	1.76E+02	1.70E+02	3.85E+01	7.75E+00	2.48E+03	1.61E+01	5.49E+01	3.62E+01
4.60E+02	4.70E+02	4.80E+02	6.11E+02	4.89E+02	4.86E+02	4.67E+02	5.59E+02	4.92E+02	4.70E+02	4.77E+02
4.59E+02	4.59E+02	4.62E+02	6.07E+02	4.91E+02	4.94E+02	4.59E+02	5.46E+02	5.08E+02	4.62E+02	4.62E+02
4.59E+02	4.59E+02	4.59E+02	5.37E+02	4.59E+02	4.53E+02	4.59E+02	4.92E+02	4.59E+02	4.59E+02	4.59E+02
6.84E+00	1.94E+01	2.49E+01	4.22E+01	1.79E+01	1.90E+01	1.79E+01	4.79E+01	2.15E+01	1.64E+01	2.18E+01
3.63E+02	6.69E+02	9.82E+02	1.02E+03	1.52E+03	9.65E+02	3.47E+02	1.09E+03	5.86E+02	1.29E+03	9.47E+02
3.64E+02	6.46E+02	9.49E+02	1.00E+03	1.54E+03	9.60E+02	3.45E+02	1.05E+03	5.80E+02	1.30E+03	9.57E+02
3.29E+02	3.86E+02	4.90E+02	4.60E+02	9.38E+02	4.67E+02	3.09E+02	6.46E+02	5.04E+02	8.45E+02	5.78E+02
1.32E+01	1.99E+02	3.06E+02	2.48E+02	2.09E+02	2.05E+02	1.97E+01	2.80E+02	5.13E+01	1.42E+02	1.90E+02
6.01E+05	6.46E+06	1.54E+06	1.16E+06	7.81E+05	8.21E+05	6.18E+05	1.27E+07	6.27E+05	2.03E+07	1.66E+07
5.90E+05	4.51E+06	1.44E+06	1.05E+06	7.93E+05	8.32E+05	6.14E+05	1.80E+06	6.16E+05	2.02E+07	1.67E+07
1	1.22E+06	7.71E+05	7.19E+05	6.35E+05	5.98E+05	5.79E+05	1.05E+06	5.80E+05	1.26E+07	1.24E+07
			l .	4.82E+04	1.57E+05	3.62E+04	7.49E+07	4.87E+04	3.17E+06	1.71E+06
	1.13E+03 9.66E+02 5.62E+01 5.11E+02 5.12E+02 4.77E+02 1.11E+01 4.60E+02 4.59E+02 4.59E+02 6.84E+00 3.63E+02 3.29E+02 6.01E+05 5.90E+05 5.79E+05	1.13E+03 5.85E+02 9.66E+02 3.00E+02 5.62E+01 3.01E+02 5.11E+02 6.08E+02 5.12E+02 5.87E+02 4.77E+02 5.27E+02 1.11E+01 5.86E+01 4.60E+02 4.70E+02 4.59E+02 4.59E+02 4.59E+02 4.59E+02 6.84E+00 1.94E+01 3.63E+02 6.69E+02 3.64E+02 3.86E+02 3.29E+02 1.92E+02 6.01E+05 6.46E+06 5.90E+05 4.51E+06 5.79E+05 1.22E+06	1.13E+03 5.85E+02 3.28E+03 9.66E+02 3.00E+02 3.00E+02 5.62E+01 3.01E+02 7.82E+02 5.11E+02 6.08E+02 6.72E+02 5.12E+02 5.87E+02 6.54E+02 4.77E+02 5.27E+02 5.43E+02 1.11E+01 5.86E+01 7.26E+01 4.60E+02 4.70E+02 4.80E+02 4.59E+02 4.59E+02 4.62E+02 4.59E+02 4.59E+02 4.59E+02 6.84E+00 1.94E+01 2.49E+01 3.63E+02 6.69E+02 9.82E+02 3.64E+02 6.46E+02 9.49E+02 3.28E+01 1.99E+02 3.06E+02 1.32E+01 1.99E+02 3.06E+02 6.01E+05 6.46E+06 1.54E+06 5.90E+05 4.51E+06 7.71E+05	1.13E+03 5.85E+02 3.28E+03 2.85E+03 9.66E+02 3.00E+02 3.00E+02 8.32E+02 5.62E+01 3.01E+02 7.82E+02 6.02E+02 5.11E+02 6.08E+02 6.72E+02 8.68E+02 5.12E+02 5.87E+02 6.54E+02 8.81E+02 4.77E+02 5.27E+02 5.43E+02 5.90E+02 1.11E+01 5.86E+01 7.26E+01 1.76E+02 4.59E+02 4.70E+02 4.80E+02 6.11E+02 4.59E+02 4.59E+02 4.62E+02 6.77E+02 4.59E+02 4.59E+02 4.59E+02 5.37E+02 6.84E+00 1.94E+01 2.49E+01 4.22E+01 3.63E+02 6.69E+02 9.82E+02 1.02E+03 3.64E+02 3.86E+02 4.90E+02 4.60E+02 1.32E+01 1.99E+02 3.06E+02 2.48E+02 6.01E+05 6.46E+06 1.54E+06 1.16E+06 5.90E+05 4.51E+06 1.44E+06 1.05E+06	1.13E+03 5.85E+02 3.28E+03 2.85E+03 6.80E+03 9.66E+02 3.00E+02 3.00E+02 8.32E+02 3.00E+02 5.62E+01 3.01E+02 7.82E+02 6.02E+02 2.59E+03 5.11E+02 6.08E+02 6.72E+02 8.68E+02 1.46E+03 5.12E+02 5.87E+02 6.48E+02 8.81E+02 1.47E+03 4.77E+02 5.27E+02 5.43E+02 5.90E+02 1.05E+03 1.11E+01 5.86E+01 7.26E+01 1.76E+02 1.70E+02 4.60E+02 4.70E+02 4.80E+02 6.11E+02 4.89E+02 4.59E+02 4.59E+02 6.07E+02 4.59E+02 4.59E+02 4.59E+02 4.59E+02 5.37E+02 4.59E+02 6.84E+00 1.94E+01 2.49E+01 1.72E+01 3.63E+02 6.69E+02 9.82E+02 1.02E+03 1.52E+03 3.64E+02 3.86E+02 4.90E+02 4.60E+02 9.38E+02 1.32E+01 1.99E+02 3.06E+02 2.48E+02 2.09E+02	1.13E+03 5.85E+02 3.28E+03 2.85E+03 6.80E+03 2.81E+03 9.66E+02 3.00E+02 3.00E+02 8.32E+02 3.00E+02 2.36E+03 5.62E+01 3.01E+02 7.82E+02 6.02E+02 2.59E+03 1.88E+02 5.11E+02 6.08E+02 6.72E+02 8.68E+02 1.46E+03 6.76E+02 5.12E+02 5.87E+02 6.54E+02 8.81E+02 1.46E+03 6.76E+02 4.77E+02 5.27E+02 5.43E+02 5.90E+02 1.05E+03 5.69E+02 1.11E+01 5.86E+01 7.26E+01 1.76E+02 1.70E+02 3.85E+01 4.60E+02 4.70E+02 4.80E+02 6.11E+02 4.89E+02 4.86E+02 4.59E+02 4.59E+02 4.59E+02 4.59E+02 4.59E+02 4.59E+02 4.59E+02 4.59E+02 4.59E+02 4.59E+02 4.59E+02 4.59E+02 3.63E+02 6.66E+02 9.82E+02 1.02E+03 1.52E+03 9.65E+02 3.64E+02 6.46E+02 9.49E+02 1.00E+03	1.13E+03 5.85E+02 3.28E+03 2.85E+03 6.80E+03 2.81E+03 9.06E+02 9.66E+02 3.00E+02 3.00E+02 3.00E+02 3.00E+02 2.36E+03 3.00E+02 5.62E+01 3.01E+02 7.82E+02 6.02E+02 2.59E+03 1.88E+02 4.06E+02 5.11E+02 6.08E+02 6.72E+02 8.68E+02 1.46E+03 6.76E+02 5.22E+02 5.12E+02 5.87E+02 6.54E+02 8.81E+02 1.47E+03 6.81E+02 5.23E+02 4.77E+02 5.27E+02 5.43E+02 5.90E+02 1.05E+03 5.69E+02 5.03E+02 1.11E+01 5.86E+01 7.26E+01 1.76E+02 1.70E+02 3.85E+01 7.75E+00 4.60E+02 4.70E+02 4.80E+02 6.11E+02 4.89E+02 4.86E+02 4.67E+02 4.59E+02 4.59E+02 6.07E+02 4.91E+02 4.94E+02 4.59E+02 4.59E+02 4.59E+02 5.37E+02 4.59E+02 4.59E+02 4.59E+02 5.68E+00 1.94E+01 4.29E+01	1.13E+03 5.85E+02 3.28E+03 2.85E+03 6.80E+03 2.81E+03 9.06E+02 3.00E+02 4.00E+02 4.06E+02 4.06E+02 5.2E+02 5.35E+03 5.2E+02 5.35E+03 5.2E+02 5.35E+03 5.2E+02 5.35E+03 5.2E+02 5.35E+03 5.9E+03 5.69E+02 5.03E+02 5.89E+03 5.0E+02 5.0BE+02 5.0BE+02 5.0BE+02 5.0BE+02 5.0BE+02 5.0BE+02 5.0BE+02 5.0BE+02 4.67E+02 5.59E+02 4.67E+02 5.59E+02 4.59E+02 4.59E+02 4.	1.13E+03 5.85E+02 3.28E+03 2.85E+03 6.80E+03 2.81E+03 9.06E+02 3.00E+02 3.00E+02 2.04E+03 9.66E+02 3.00E+02 3.00E+02 3.00E+02 3.00E+02 3.00E+02 1.76E+03 5.62E+01 3.01E+02 7.82E+02 6.02E+02 2.59E+03 1.88E+02 4.06E+02 0.00E+00 1.02E+02 5.12E+02 6.08E+02 6.72E+02 8.68E+02 1.46E+03 6.76E+02 5.22E+02 5.35E+03 5.62E+02 5.12E+02 5.87E+02 6.54E+02 8.81E+02 1.47E+03 6.76E+02 5.23E+03 5.62E+02 4.77E+02 5.27E+02 5.43E+02 5.90E+02 1.05E+03 5.69E+02 5.03E+02 5.76E+03 5.61E+02 1.11E+01 5.86E+01 7.26E+01 1.76E+02 1.70E+02 3.85E+01 7.75E+00 2.48E+03 1.61E+01 4.60E+02 4.59E+02 4.59E+02	1.13E+03 5.85E+02 3.28E+03 2.85E+03 6.80E+03 2.81E+03 9.06E+02 3.00E+02 2.04E+03 3.30E+03 9.66E+02 3.00E+02 3.00E+02 3.00E+02 3.00E+02 3.00E+02 1.76E+03 3.00E+02 5.62E+01 3.01E+02 7.82E+02 6.02E+02 2.59E+03 1.88E+02 4.06E+02 0.00E+00 1.02E+02 8.68E+02 5.11E+02 6.08E+02 6.54E+002 8.68E+02 1.46E+03 6.76E+02 5.22E+02 5.35E+03 5.61E+02 7.36E+02 5.12E+02 5.87E+02 6.54E+002 8.81E+02 1.47E+03 6.81E+02 5.22E+02 5.35E+03 5.61E+02 7.36E+02 4.77E+02 5.27E+02 5.43E+02 5.90E+02 1.05E+03 5.69E+02 5.03E+02 5.76E+03 5.61E+02 7.39E+02 1.11E+01 5.86E+01 7.26E+01 1.76E+02 1.70E+02 3.85E+01 7.75E+00 2.48E+03 1.61E+01 5.49E+01 4.59E+02 4.59E+02 4.59E+02 4.59E+02 4.59E+02

TABLE S-XIII: COMPARISIONS WITH WINNERS ON CEC 2017 IN 100-D CASE

Func	D=100	JSO	RB-IPOP-	DYYPO	TLBO-FL	PPSO	MOS-SOCO	EBOwith	CMA-ES	JADE	LoTFWA	PC-FWA
	Mean	0.00E+00	CMA-ES 2.76E-07	1.43E+04	8.59E+08	1.08E+04	2011 1.98E+04	CMAR 0.00E+00	0.00E+00	0.00E+00	1.51E+02	6.92E+02
	Median	0.00E+00	2.65E-07	5.44E+03	6.91E+08	1.08E+04 1.15E+04	1.13E+04	0.00E+00	0.00E+00	0.00E+00	5.02E+01	1.57E+01
1	Best	0.00E+00	1.83E-07	2.47E+01	1.19E+08	4.38E+03	6.25E+00	0.00E+00	0.00E+00	0.00E+00	5.58E-01	1.15E-04
	Std.	0.00E+00	5.88E-08	1.71E+04	5.17E+08	3.31E+03	2.13E+04	0.00E+00	0.00E+00	0.00E+00	2.58E+02	1.61E+03
	Mean	8.94E+00	0.00E+00	1.07E+53	2.05E+110	2.22E+44	9.66E+03	7.58E+16	5.94E-05	2.17E+02	6.64E+27	3.99E+24
2	Median	4.70E-07	0.00E+00	4.01E+49	6.36E+99	5.54E+43	2.72E-02	4.44E+09	5.75E-05	0.00E+00	2.78E+22	4.46E+18
~	Best	0.00E+00	0.00E+00	4.05E+39	7.45E+92	2.48E+39	9.18E-03	6.10E+01	8.99E-06	0.00E+00	9.91E+16	2.10E+13
	Std.	2.42E+01	0.00E+00	6.78E+53	1.06E+111	3.38E+44	6.86E+04	5.08E+17	2.93E-05	1.55E+03	3.98E+28	2.84E+25
	Mean	2.39E-06	0.00E+00 0.00E+00	3.45E+04	1.77E+05	7.25E+04 7.31E+04	3.18E+05	2.99E-07	0.00E+00	3.30E+05	1.16E+04	9.28E+01
3	Median Best	1.45E-06 6.45E-08	0.00E+00 0.00E+00	3.30E+04 1.64E+04	1.79E+05 1.33E+05	5.80E+04	3.10E+05 2.04E+05	1.86E-07 7.61E-08	0.00E+00 0.00E+00	4.01E+05 4.00E-06	1.16E+04 5.31E+03	7.57E+01 1.98E+01
	Std.	2.72E-06	0.00E+00	1.34E+04	1.97E+04	6.60E+03	6.42E+04	7.01E-03 7.04E-07	0.00E+00	1.57E+05	3.16E+03	5.60E+01
	Mean	1.90E+02	1.56E+02	2.59E+02	6.99E+02	2.40E+02	1.49E+02	1.93E+02	1.82E+02	1.78E+01	2.47E+02	2.14E+02
4	Median	1.95E+02	2.01E+02	2.56E+02	6.93E+02	2.47E+02	1.97E+02	1.97E+02	2.08E+02	3.99E+00	2.47E+02	2.15E+02
4	Best	8.45E+01	0.00E+00	1.85E+02	4.04E+02	1.49E+02	2.03E-03	0.00E+00	0.00E+00	1.36E-07	1.66E+02	1.68E+02
	Std.	2.89E+01	8.86E+01	4.10E+01	1.20E+02	3.12E+01	9.03E+01	3.09E+01	1.36E+02	3.63E+01	3.21E+01	2.71E+01
	Mean	4.39E+01	1.10E+01	4.53E+02	3.41E+02	5.20E+02	4.14E+02	2.87E+01	8.47E+02	2.77E+02	4.19E+02	1.64E+02
5	Median	4.40E+01	7.96E+00	4.46E+02	3.30E+02	5.20E+02	4.14E+02	2.79E+01	8.47E+02	2.76E+02	4.22E+02	1.59E+02
	Best Std.	3.01E+01 5.61E+00	9.95E-01 7.67E+00	2.98E+02 7.46E+01	2.61E+02 4.51E+01	4.46E+02 2.31E+01	2.94E+02 4.65E+01	1.79E+01 5.28E+00	8.15E+02 1.48E+01	2.32E+02 1.91E+01	2.86E+02 3.81E+01	1.23E+02 2.50E+01
	Mean	2.02E-04	1.33E-07	1.35E+01	1.96E+01	4.01E+01	0.00E+00	1.63E-05	6.35E+01	3.87E-05	2.84E+01	3.59E+00
_	Median	3.57E-05	1.60E-07	1.33E+01 1.32E+01	1.90E+01 1.94E+01	4.07E+01	0.00E+00	1.03E-05 1.47E-05	6.38E+01	5.19E-07	2.91E+01	3.09E+00
6	Best	7.67E-06	3.80E-08	7.30E+00	1.43E+01	3.21E+01	0.00E+00	5.13E-06	6.12E+01	0.00E+00	1.19E+01	2.14E-01
	Std.	6.20E-04	5.37E-08	3.71E+00	3.01E+00	2.34E+00	0.00E+00	7.13E-06	1.05E+00	1.25E-04	5.74E+00	2.74E+00
-	Mean	1.45E+02	1.26E+02	6.59E+02	7.80E+02	7.38E+02	5.12E+02	1.22E+02	2.38E+03	3.78E+02	3.30E+02	2.00E+02
7	Median	1.44E+02	1.22E+02	6.54E+02	7.81E+02	7.37E+02	5.23E+02	1.21E+02	2.41E+03	3.76E+02	3.30E+02	1.98E+02
	Best	1.29E+02	1.09E+02	4.59E+02	5.79E+02	5.15E+02	3.91E+02	1.16E+02	1.90E+03	3.25E+02	2.98E+02	1.70E+02
	Std.	6.70E+00	9.62E+00	9.90E+01	9.56E+01	8.90E+01	5.02E+01	4.47E+00	1.22E+02	1.94E+01	2.26E+01	1.51E+01
	Mean Median	4.22E+01 4.22E+01	1.22E+01	4.78E+02	3.71E+02	5.82E+02 5.89E+02	4.05E+02	2.97E+01 2.79E+01	1.10E+03	2.74E+02	4.57E+02	1.67E+02 1.65E+02
8	Best	2.73E+01	8.95E+00 1.36E-04	4.74E+02 3.44E+02	3.61E+02 2.82E+02	4.83E+02	4.05E+02 2.97E+02	1.79E+01	1.10E+03 1.07E+03	2.74E+02 2.33E+02	4.55E+02 3.98E+02	1.03E+02 1.14E+02
	Std.	5.52E+00	9.08E+00	9.01E+01	5.59E+01	3.07E+01	4.94E+01	7.48E+00	1.22E+01	1.91E+01	3.05E+01	2.34E+01
-	Mean	4.59E-02	0.00E+00	1.40E+04	1.97E+04	1.48E+04	1.31E+04	1.76E-03	2.18E+04	1.92E+00	1.28E+04	1.68E+03
9	Median	0.00E+00	0.00E+00	1.40E+04	1.95E+04	1.49E+04	1.34E+04	0.00E+00	2.18E+04	1.72E+00	1.34E+04	1.33E+03
9	Best	0.00E+00	0.00E+00	4.48E+03	1.04E+04	1.31E+04	8.13E+03	0.00E+00	2.06E+04	0.00E+00	5.13E+03	0.00E+00
	Std.	1.15E-01	0.00E+00	5.45E+03	4.93E+03	8.12E+02	2.26E+03	1.25E-02	3.57E+02	1.33E+00	2.36E+03	1.68E+03
	Mean	9.70E+03	5.59E+03	1.16E+04	2.90E+04	1.14E+04	1.11E+04	9.91E+03	1.55E+04	1.70E+04	1.03E+04	8.35E+03
10	Median	9.75E+03	5.42E+03	1.12E+04	2.90E+04	1.17E+04	1.11E+04	9.50E+03	1.54E+04	1.70E+04	1.05E+04	8.12E+03
	Best Std.	7.54E+03 6.82E+02	1.31E+02 3.49E+03	8.50E+03 1.87E+03	2.71E+04 5.93E+02	8.44E+03 8.94E+02	8.77E+03 1.14E+03	6.77E+03 1.91E+03	1.45E+04 4.46E+02	1.62E+04 4.37E+02	8.78E+03 5.63E+02	5.96E+03 1.20E+03
	Mean	1.13E+02	1.05E+03	1.14E+03	1.05E+03	8.96E+02	5.54E+02	6.56E+01	1.12E+03	2.10E+04	1.12E+03	8.30E+02
	Median	1.04E+02	1.06E+03	1.13E+03	1.04E+03	9.14E+02	5.35E+02	6.15E+01	1.09E+03	2.47E+04	1.14E+03	8.14E+02
11	Best	4.27E+01	2.12E+02	6.94E+02	6.42E+02	6.76E+02	2.59E+02	3.38E+01	7.30E+02	5.50E+02	7.56E+02	5.98E+02
	Std.	4.32E+01	2.33E+02	2.27E+02	1.98E+02	7.09E+01	1.67E+02	2.00E+01	2.14E+02	1.16E+04	1.46E+02	1.01E+02
	Mean	1.84E+04	5.79E+04	3.35E+07	2.72E+07	4.12E+06	4.37E+05	4.19E+03	1.04E+04	2.32E+04	8.49E+06	6.74E+06
12	Median	1.70E+04	5.39E+03	3.01E+07	2.50E+07	4.15E+06	4.14E+05	4.13E+03	5.56E+03	1.95E+04	7.61E+06	6.39E+06
	Best	6.17E+03	3.69E+03	7.03E+06	4.19E+06	2.15E+06	1.30E+05	2.45E+03	4.15E+03	7.29E+03	2.20E+06	1.71E+06
	Std.	8.35E+03	3.76E+05	1.70E+07	1.52E+07	7.35E+05	1.74E+05	7.89E+02	3.06E+04	1.58E+04	4.29E+06	2.89E+06
	Mean Median	1.45E+02 1.40E+02	4.51E+03 4.44E+03	1.49E+04 1.28E+04	1.40E+04 1.13E+04	1.53E+03 1.32E+03	7.69E+03 6.42E+03	2.45E+02 2.14E+02	3.76E+03 3.72E+03	2.16E+03 2.20E+03	2.55E+04 2.47E+04	2.21E+04 2.19E+04
13	Best	5.33E+01	2.30E+03	5.81E+03	6.43E+03	4.24E+02	3.23E+02	1.19E+02	2.67E+03	2.82E+02	1.64E+04	1.18E+04
	Std.	3.80E+01	9.46E+02	8.05E+03	6.47E+03	7.24E+02	7.63E+03	8.84E+01	6.35E+02	1.15E+03	4.58E+03	5.20E+03
	Mean	6.43E+01	5.78E+02	2.05E+05	1.92E+06	3.14E+05	7.39E+04	1.38E+02	3.53E+02	3.02E+02	9.61E+04	7.18E+04
14	Median	6.38E+01	5.87E+02	1.91E+05	1.74E+06	3.19E+05	6.60E+04	1.36E+02	3.50E+02	3.06E+02	9.86E+04	7.22E+04
17	Best	4.41E+01	4.05E+02	1.30E+04	6.70E+05	9.38E+04	1.12E+04	8.17E+01	2.33E+02	1.87E+02	3.15E+04	2.80E+04
	Std.	1.09E+01	9.00E+01	1.06E+05	7.10E+05	8.93E+04	4.55E+04	2.96E+01	6.96E+01	5.03E+01	3.60E+04	2.23E+04
	Mean	1.62E+02	7.56E+02	7.46E+03	3.73E+03	4.69E+02	5.04E+03	1.65E+02	5.64E+02	2.54E+02	1.83E+04	1.62E+04
15	Median Best	1.65E+02 8.67E+01	7.65E+02 2.34E+02	5.87E+03 1.10E+03	2.64E+03 6.48E+02	4.26E+02 2.47E+02	3.65E+03 1.04E+02	1.63E+02 8.60E+01	5.64E+02 3.19E+02	2.49E+02 1.79E+02	1.91E+04 9.85E+03	1.53E+04 8.42E+03
	Std.	3.81E+01	1.49E+02	5.29E+03	3.58E+03	1.58E+02	5.56E+03	3.87E+01	1.24E+02	4.80E+01	4.00E+03	5.07E+03
-	Mean	1.86E+03	1.70E+03	2.77E+03	2.57E+03	3.18E+03	3.38E+03	1.41E+03	3.27E+03	3.44E+03	2.65E+03	2.15E+03
1.0	Median	1.88E+03	1.75E+03	2.85E+03	2.62E+03	3.24E+03	3.36E+03	1.36E+03	3.34E+03	3.43E+03	2.66E+03	2.15E+03
16	Best	1.03E+03	7.93E+02	1.77E+03	1.41E+03	2.32E+03	2.40E+03	7.86E+02	1.52E+03	2.77E+03	1.73E+03	8.89E+02
	Std.	3.49E+02	4.68E+02	5.97E+02	5.79E+02	3.25E+02	5.55E+02	3.76E+02	6.11E+02	2.38E+02	3.60E+02	4.79E+02
	Mean	1.28E+03	1.38E+03	2.11E+03	2.19E+03	2.63E+03	2.71E+03	1.21E+03	1.78E+03	2.69E+03	1.93E+03	1.79E+03
17	Median	1.27E+03	1.32E+03	2.18E+03	2.14E+03	2.66E+03	2.68E+03	1.18E+03	1.79E+03	2.70E+03	1.94E+03	1.78E+03
	Best	6.75E+02	7.48E+02	1.33E+03	1.05E+03	1.62E+03	1.89E+03	5.35E+02	9.50E+02	2.16E+03	1.31E+03	1.20E+03
	Std.	2.38E+02 1.67E+02	2.69E+02 3.16E+02	4.35E+02 3.72E+05	4.74E+02 4.59E+06	3.34E+02 6.89E+05	4.26E+02 2.62E+05	2.57E+02 2.37E+02	3.89E+02 2.45E+02	1.98E+02 1.86E+02	2.26E+02 2.44E+05	2.69E+02 1.43E+05
	Mean Median	1.67E+02 1.57E+02	3.16E+02 2.97E+02	3.72E+05 3.73E+05	4.39E+06 4.35E+06	6.89E+05 6.98E+05	2.62E+05 2.54E+05	2.37E+02 2.31E+02	2.45E+02 2.37E+02	1.86E+02 1.70E+02	2.44E+05 2.43E+05	1.43E+05 1.41E+05
18	Best	1.01E+02	1.86E+02	1.22E+05	1.96E+06	3.55E+05	1.21E+05	1.08E+02	1.38E+02	8.63E+01	1.06E+05	7.93E+04
	Std.	3.65E+01	8.31E+01	1.37E+05	1.64E+06	1.75E+05	8.53E+04	5.94E+01	6.73E+01	7.23E+01	7.24E+04	3.38E+04
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	Mean	1.05E+02	5.94E+02	7.49E+03	4.15E+03	5.42E+02	4.77E+03	1.15E+02	1.05E+03	1.78E+02	3.30E+05	2.30E+05
19	Median	1.06E+02	5.87E+02	5.72E+03	2.12E+03	4.92E+02	2.52E+03	1.12E+02	8.58E+02	1.76E+02	3.35E+05	2.12E+05
19	Best	6.21E+01	2.71E+02	3.82E+02	2.77E+02	1.19E+02	1.05E+02	8.16E+01	3.22E+02	1.05E+02	7.26E+04	3.76E+04
	Std.	2.01E+01	2.28E+02	7.29E+03	5.31E+03	3.33E+02	5.87E+03	1.88E+01	5.85E+02	3.53E+01	1.10E+05	1.03E+05
	Mean	1.38E+03	1.90E+03	2.09E+03	4.23E+03	2.35E+03	2.50E+03	1.36E+03	4.51E+03	2.81E+03	2.09E+03	2.04E+03
20	Median	1.38E+03	1.88E+03	2.02E+03	4.23E+03	2.44E+03	2.55E+03	1.35E+03	4.54E+03	2.84E+03	2.11E+03	2.04E+03
20	Best	6.30E+02	1.06E+03	1.16E+03	3.19E+03	1.63E+03	1.67E+03	7.80E+02	4.17E+03	1.95E+03	1.50E+03	1.34E+03
	Std.	2.43E+02	3.75E+02	5.38E+02	3.18E+02	2.58E+02	3.64E+02	3.09E+02	1.38E+02	2.42E+02	2.35E+02	3.40E+02
	Mean	2.64E+02	2.45E+02	6.94E+02	5.99E+02	1.06E+03	6.37E+02	2.60E+02	4.79E+02	4.98E+02	7.72E+02	4.07E+02
21	Median	2.64E+02	2.44E+02	6.86E+02	6.00E+02	1.07E+03	6.36E+02	2.58E+02	4.80E+02	5.02E+02	7.73E+02	4.07E+02
21	Best	2.46E+02	2.27E+02	4.83E+02	4.97E+02	9.29E+02	5.41E+02	2.44E+02	4.08E+02	4.51E+02	6.65E+02	3.60E+02
	Std.	6.43E+00	5.85E+00	9.76E+01	4.53E+01	5.52E+01	4.63E+01	1.06E+01	3.13E+01	1.92E+01	4.17E+01	2.54E+01
	Mean	1.02E+04	6.32E+03	1.31E+04	2.95E+04	1.37E+04	1.22E+04	1.02E+04	1.98E+04	1.78E+04	1.20E+04	1.04E+04
22	Median	1.07E+04	6.48E+03	1.28E+04	3.01E+04	1.38E+04	1.20E+04	1.02E+04	1.99E+04	1.81E+04	1.23E+04	1.03E+04
22	Best	1.00E+02	3.45E+02	9.63E+03	2.82E+02	1.13E+04	8.85E+03	1.00E+02	1.91E+04	2.39E+03	1.00E+02	6.40E+03
	Std.	2.18E+03	4.01E+03	1.95E+03	4.23E+03	8.94E+02	1.13E+03	2.70E+03	4.70E+02	2.28E+03	1.82E+03	1.22E+03
	Mean	5.71E+02	5.84E+02	9.01E+02	1.17E+03	2.07E+03	7.60E+02	5.77E+02	5.73E+03	7.52E+02	1.35E+03	9.61E+02
23	Median	5.71E+02	5.63E+02	8.97E+02	1.15E+03	2.08E+03	7.58E+02	5.76E+02	5.74E+03	7.52E+02	1.37E+03	9.52E+02
23	Best	5.43E+02	5.45E+02	8.10E+02	9.59E+02	1.87E+03	7.16E+02	5.50E+02	5.31E+03	7.25E+02	1.19E+03	8.30E+02
	Std.	1.07E+01	5.29E+01	6.03E+01	1.11E+02	8.16E+01	2.21E+01	1.31E+01	1.87E+02	1.24E+01	6.13E+01	5.84E+01
	Mean	9.02E+02	8.93E+02	1.38E+03	2.02E+03	1.89E+03	1.30E+03	9.19E+02	1.31E+04	1.07E+03	1.76E+03	1.17E+03
24	Median	9.03E+02	8.93E+02	1.37E+03	1.98E+03	1.90E+03	1.30E+03	9.16E+02	1.33E+04	1.07E+03	1.77E+03	1.18E+03
24	Best	8.83E+02	8.67E+02	1.19E+03	1.45E+03	1.60E+03	1.20E+03	8.99E+02	9.37E+03	1.04E+03	1.49E+03	1.01E+03
	Std.	7.89E+00	1.41E+01	8.86E+01	2.61E+02	1.04E+02	3.89E+01	1.32E+01	1.44E+03	1.81E+01	8.84E+01	6.52E+01
	Mean	7.36E+02	6.77E+02	7.69E+02	1.32E+03	7.59E+02	7.43E+02	7.16E+02	8.62E+02	7.61E+02	7.62E+02	6.68E+02
25	Median	7.62E+02	6.98E+02	7.67E+02	1.31E+03	7.66E+02	7.44E+02	7.05E+02	8.35E+02	7.62E+02	7.56E+02	6.68E+02
23	Best	6.39E+02	5.77E+02	5.96E+02	1.10E+03	6.61E+02	6.58E+02	5.77E+02	6.55E+02	6.60E+02	6.27E+02	5.59E+02
	Std.	3.53E+01	4.34E+01	7.02E+01	1.09E+02	3.37E+01	4.44E+01	3.71E+01	1.38E+02	4.89E+01	7.11E+01	5.89E+01
	Mean	3.27E+03	2.89E+03	8.03E+03	1.09E+04	1.56E+04	7.84E+03	2.77E+03	3.00E+02	5.01E+03	1.06E+04	4.87E+03
26	Median	3.28E+03	2.98E+03	7.93E+03	1.08E+04	1.73E+04	7.84E+03	3.19E+03	3.00E+02	5.01E+03	1.05E+04	4.76E+03
20	Best	3.12E+03	3.00E+02	6.41E+03	8.22E+03	3.02E+02	7.02E+03	3.00E+02	3.00E+02	4.53E+03	9.18E+03	4.30E+03
	Std.	8.02E+01	5.68E+02	8.66E+02	1.57E+03	5.19E+03	4.01E+02	1.08E+03	0.00E+00	2.03E+02	7.04E+02	3.61E+02
	Mean	5.85E+02	6.73E+02	7.68E+02	1.17E+03	1.34E+03	7.52E+02	5.88E+02	6.82E+03	7.16E+02	9.57E+02	6.73E+02
27	Median	5.86E+02	6.73E+02	7.67E+02	1.15E+03	1.35E+03	7.57E+02	5.86E+02	9.33E+03	7.14E+02	9.58E+02	6.72E+02
	Best	5.39E+02	6.24E+02	6.46E+02	9.15E+02	1.08E+03	6.49E+02	5.48E+02	6.85E+02	6.83E+02	8.03E+02	6.13E+02
	Std.	2.17E+01	2.26E+01	4.97E+01	1.47E+02	9.82E+01	3.38E+01	1.53E+01	4.53E+03	1.96E+01	6.53E+01	2.84E+01
	Mean	5.27E+02	4.98E+02	6.15E+02	1.48E+03	5.86E+02	5.02E+02	5.10E+02	5.76E+02	5.33E+02	6.00E+02	5.71E+02
28	Median	5.24E+02	5.19E+02	6.09E+02	1.39E+03	5.88E+02	4.90E+02	5.19E+02	5.96E+02	5.36E+02	5.99E+02	5.73E+02
	Best	4.78E+02	3.00E+02	5.29E+02	1.11E+03	5.48E+02	3.00E+02	3.00E+02	3.00E+02	4.18E+02	5.02E+02	5.29E+02
	Std.	2.73E+01	8.02E+01	4.00E+01	2.70E+02	1.49E+01	6.07E+01	6.01E+01	1.03E+02	4.28E+01	4.41E+01	2.09E+01
	Mean	1.26E+03	2.03E+03	2.85E+03	3.44E+03	3.73E+03	4.23E+03	1.28E+03	2.73E+03	2.51E+03	3.71E+03	3.04E+03
29	Median	1.24E+03	2.07E+03	2.75E+03	3.41E+03	3.81E+03	4.28E+03	1.28E+03	2.71E+03	2.52E+03	3.72E+03	3.03E+03
	Best	8.89E+02	1.32E+03	1.79E+03	2.44E+03	2.57E+03	3.09E+03	8.61E+02	2.05E+03	2.12E+03	2.98E+03	1.98E+03
	Std.	1.91E+02	4.01E+02	4.99E+02	4.97E+02	2.98E+02	4.59E+02	2.42E+02	3.81E+02	1.83E+02	3.35E+02	4.06E+02
	Mean	2.33E+03	1.19E+04	1.18E+06	6.18E+04	7.17E+03	1.31E+04	2.40E+03	5.35E+05	3.47E+03	3.51E+06	2.00E+06
30	Median	2.32E+03	1.18E+04	9.20E+05	4.04E+04	7.24E+03	1.24E+04	2.36E+03	1.91E+04	3.03E+03	3.18E+06	1.97E+06
	Best	2.11E+03	4.89E+03	1.97E+05	9.05E+03	4.94E+03	4.60E+03	2.18E+03	8.38E+03	2.36E+03	1.71E+06	1.14E+06
	Std.	1.19E+02	3.73E+03	8.20E+05	6.36E+04	1.17E+03	4.61E+03	1.51E+02	2.03E+06	1.10E+03	1.17E+06	5.24E+05