Problem A:

Learning Arithmetic Operations from Gate-Level Circuit

D 11	Test01				Test02				Test03				Test04				Test05			
Ranking	output	cost	red_rate	score																
1	Pass	2	96.9%	1	Pass	2	97.5%	1	Pass	3	99.3%	1	Pass	9	99.9%	1	Pass	6	99.7%	1
2	Fail	-	-	0	Fail	-	-	0	Pass	332	26.7%	0	Pass	10	99.9%	0.9	Pass	1446	16.1%	0
3									Pass	453	0.0%	0	Pass	12	99.9%	0.8	Pass	1724	0.0%	0
4									Fail	-	-	0	Pass	8196	0.0%	0	Fail	-	-	0
5													Fail	-	-	0				

D. II.	Test06				Test07				Test08					Te	est09		Test10			
Ranking	output	cost	red_rate	score																
1	Pass	3	99.9%	1	Pass	9	99.7%	1	Pass	6	99.8%	1	Pass	6622	17.1%	0	Pass	4	99.9%	1
2	Pass	3861	27.3%	0	Pass	2961	0.0%	0	Pass	3302	0.0%	0	Pass	7988	0.0%	0	Pass	6	99.8%	0.7
3	Pass	5310	0.0%	0	Fail	-	-	0	Fail	-	-	0	Fail	-	-	0	Pass	2549	15.8%	0
4	Fail	-	-	0													Pass	3029	0.0%	0
5																	Fail	1	-	0

Dankin a		To	est11		Test12				Test13					Te	est14		Test15			
Ranking	output	cost	red_rate	score	output	cost	red_rate	score	output	cost	red_rate	score	output	cost	red_rate	score	output	cost	red_rate	score
1	Pass	2	99.9%	1	Pass	23	99.8%	1	Pass	81	92.4%	1	Pass	107	0.0%	0	Pass	1618	61.8%	0
2	Pass	3	99.9%	0.7	Pass	11178	15.9%	0	Pass	1067	0.0%	0	Fail	-	-	0	Pass	4231	0.0%	0
3	Pass	2003	0.0%	0	Pass	13290	0.0%	0	Fail	-	-	0					Fail	-	-	0
4	Fail	1	-	0	Fail	1	-	0												

D. II.		To	est16		Test17				Test18					Te	est19		Test20			
Ranking	output	cost	red_rate	score																
1	Pass	10	99.0%	1	Pass	16	98.8%	1	Pass	49	71.8%	1	Pass	2379	0.0%	0	Pass	42	99.2%	1
2	Pass	999	0.0%	0	Pass	306	77.6%	0.1	Pass	174	0.0%	0	Fail	-	-	0	Pass	5104	0.0%	0
3	Fail	-	-	0	Pass	1365	0.0%	0	Fail	-	-	0					Fail	-	-	0
4					Fail	-	-	0												