	n	#q	#G	CTA before		CTA after		post_C	$\subseteq$	AutoQ before	after	post_C	$\subseteq$	SV-Sim	symQV	CaAL
BV-Sing	95	96	241	193	193	193	193	2.6s	0.0s							
	96	97	243	195	195	195	195	2.6s	0.0s							
	97	98	246	197	197	197	197	2.7s	0.0s							
	98	99	248	199	199	199	199	2.8s	0.0s							
	99	100	251	201	201	201	201	2.9s	0.0s							
BV-All	9	19	30	39	48	63	80	0.0s	0.0s							
	10	21	33	43	53	70	89	0.0s	0.0s							
	11	23	36	47	58	77	98	0.0s	0.0s							
	12	25	39	51	63	84	107	0.0s	0.0s							
	13	27	42	55	68	91	116	0.0s	0.0s							
GHZ-Sing	64	64	64	129	129	191	191	0.3s	0.0s							
	128	128	128	257	257	383	383	2.9s	0.0s							
	256	256	256	513	513	767	767	23s	0.0s							
	384	384	384	timeout												
	512	512	512	timeout												
GHZ-All	8	8	8	17	25	37	65	0.0s	0.0s							
	16	16	16	33	49	77	137	0.0s	0.0s							
	32	32	32	65	97	157	281	0.1s	0.0s							
	64	64	64	129	193	317	569	1.1s	0.0s							
	128	128	128	257	385	637	1145	9.0s	0.0s							
Grover-Sing	12	24	5215	49	49	71	71	5.4s	0.0s							
	14	28	12217	57	57	83	83	17s	0.0s							
	16	32	28159	65	65	95	95	50s	0.0s							
	18	36	63537	timeout												
	20	40	141527	timeout												
Grover-All	6	18	357	37	43	252	315	0.9s	0.0s							
	7	21	552	43	50	481	608	2.9s	0.1s							
	8	24	939	49	57	934	1189	10s	0.5s							
	9	27	1492	55	64	1835	2346	35s	2.2s							
	10	30	2433	timeout												
H2	12	12	24	25	37	25	48	0.0s	0.0s							
	13	13	26	27	40	27	52	0.0s	0.0s							
	64	64	128	129	193	129	256	1.8s	0.0s							
	128	128	256	257	385	257	512	14s	0.0s							
	256	256	512	timeout												
HXH	10	10	30	21	31	31	59	0.0s	0.0s							
	11	11	33	23	34	34	65	0.0s	0.0s							
	12	12	36	25	37	37	71	0.0s	0.0s							
	13	13	39	27	40	40	77	0.0s	0.0s							
	99	99	297	199	298	298	593	8.6s	0.0s							
MCToffoli	8	16	15	33	42	48	65	0.0s	0.0s							
	10	20	19	41	52	60	81	0.0s	0.0s							
	12	24	23	49	62	72	97	0.0s	0.0s							
	14	28	27	57	72	84	113	0.0s	0.0s							
	16	32	31	65	82	96	129	0.1s	0.0s							