mimiQ++ report - Wednesday 5th March, 2025 01:27

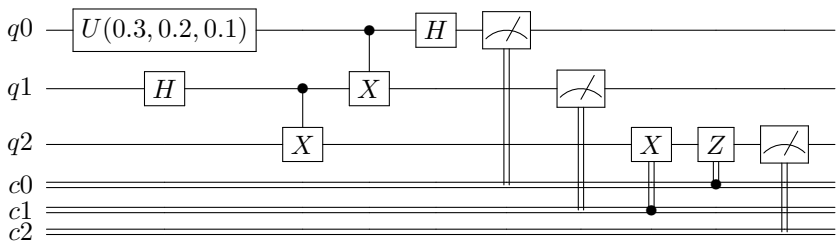
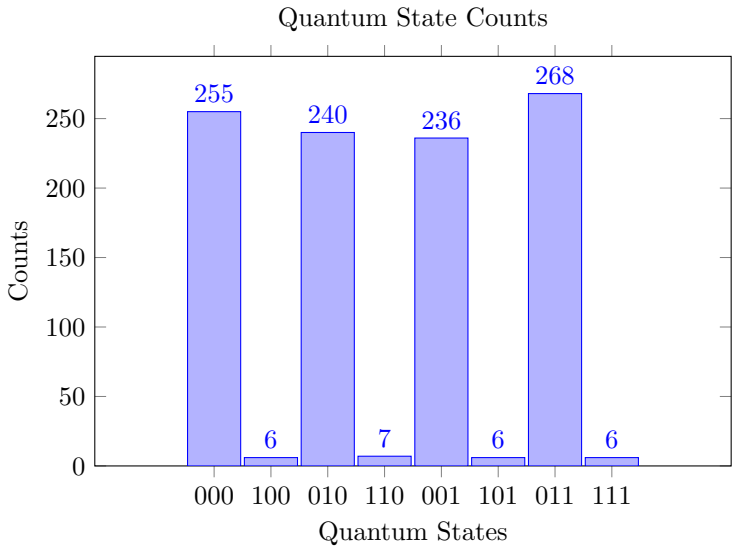


Figure 1: quantum teleportation 1

Classical register readings (left to right: cn,cn-1,..c2,c1,c0) for the simulation:
000: 255
100: 6
010: 240
110: 7
001: 236
101: 6
011: 268
111: 6



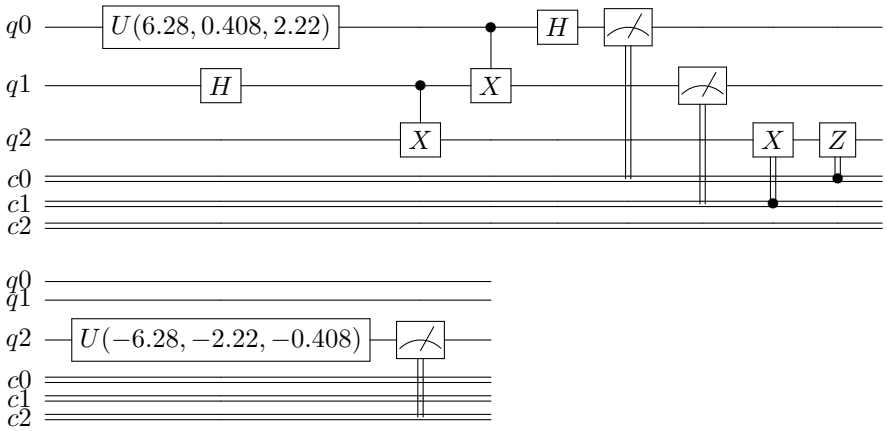
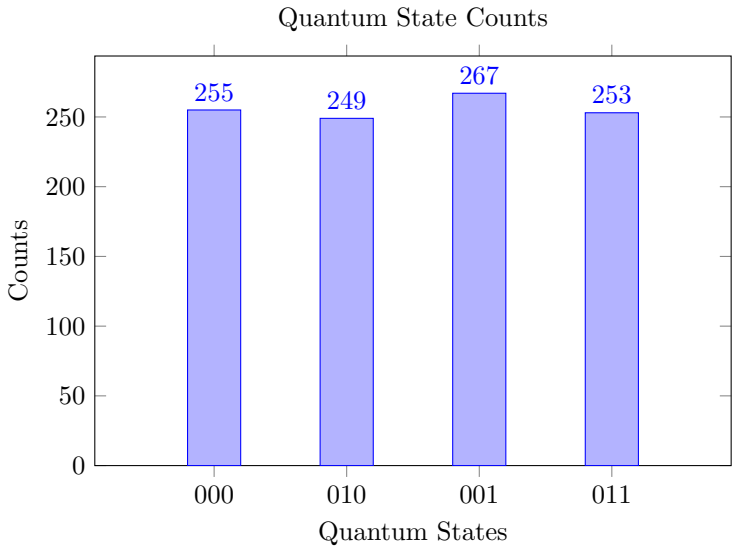


Figure 2: quantum teleportation ibm

Classical register readings (left to right: cn,cn-1,..c2,c1,c0) for the simulation:
000: 255
010: 249
001: 267
011: 253



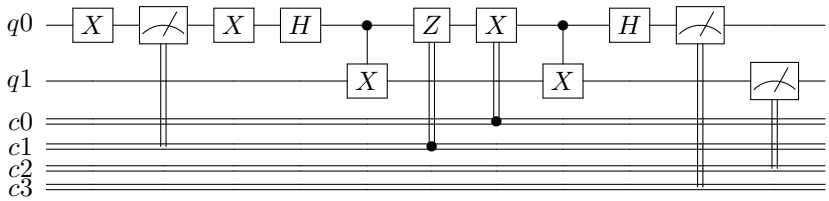
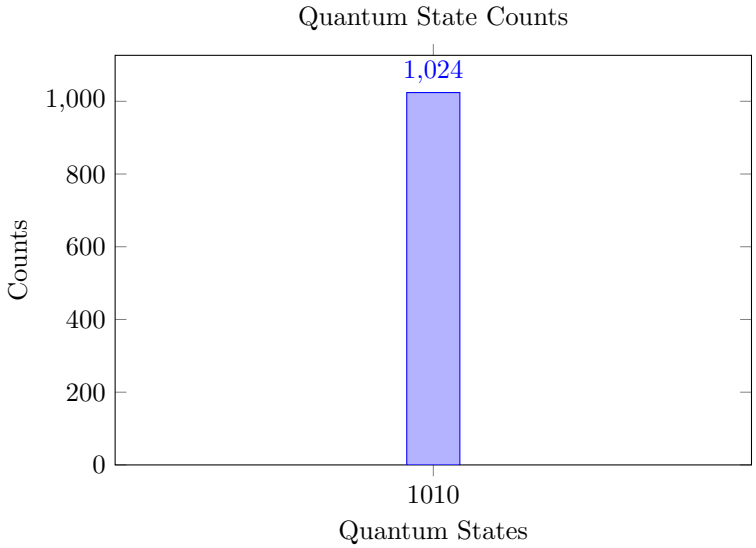


Figure 3: superdense coding

Classical register readings (left to right: cn,cn-1,..c2,c1,c0) for the simulation:
1010: 1024



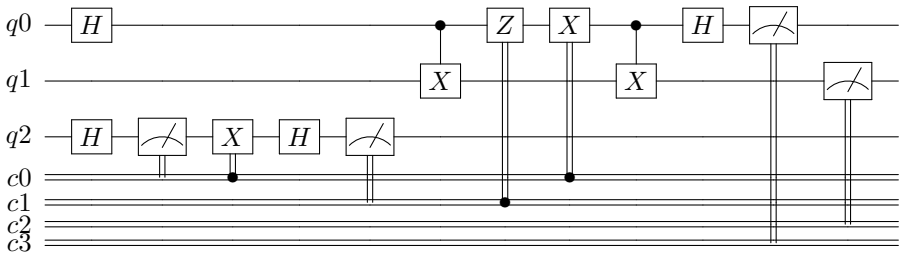
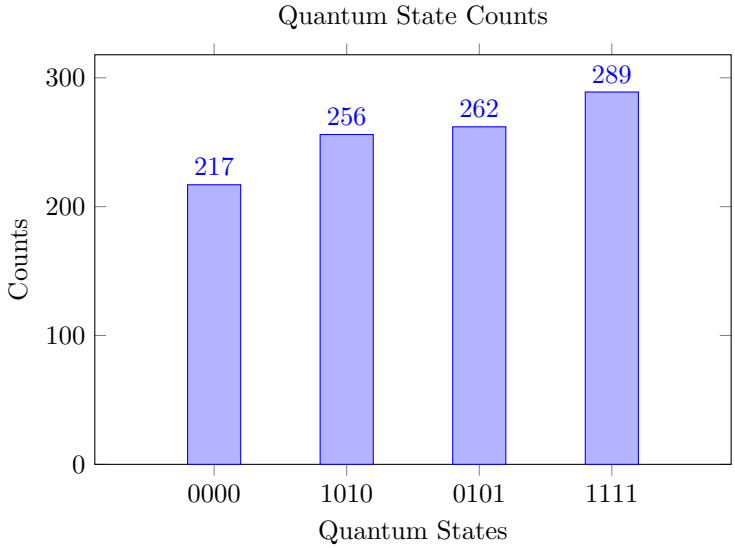


Figure 4: superdense coding - random

Classical register readings (left to right: cn,cn-1,..c2,c1,c0) for the simulation:
0000: 217
1010: 256
0101: 262
1111: 289



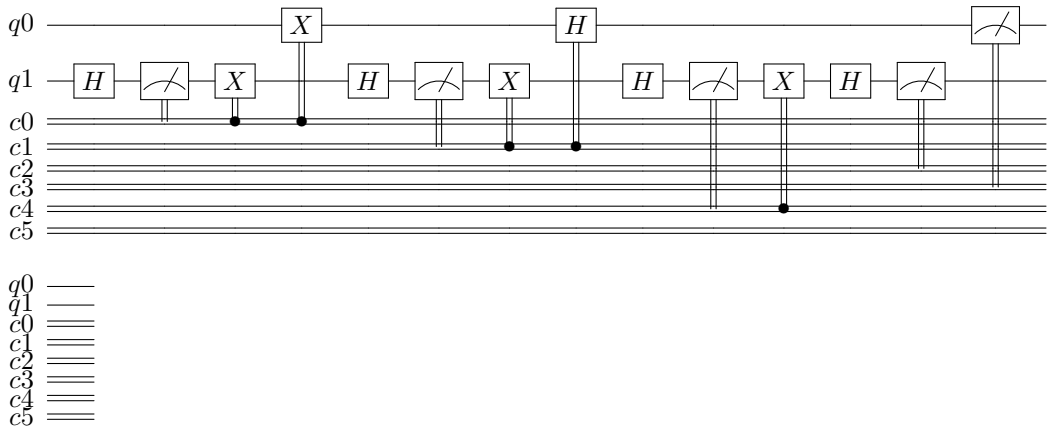


Figure 5: BB84-ptcl QKD

Resultant key: 11101100001000000111000101000101001111110110010111

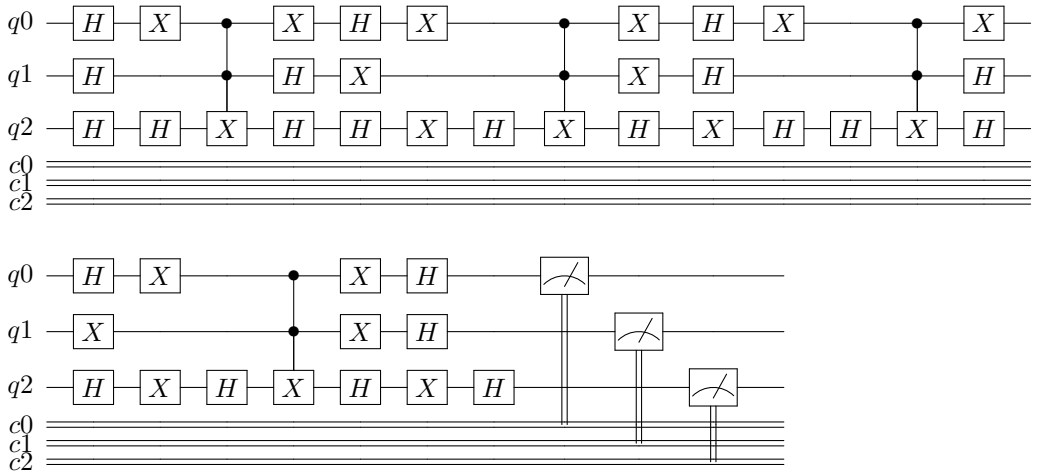
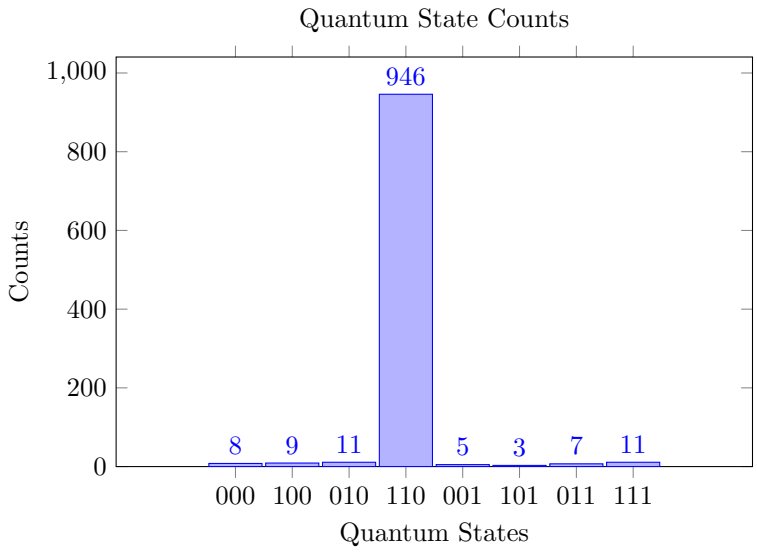


Figure 6: grover

Classical register readings (left to right: cn,cn-1,..c2,c1,c0) for the simulation:
000: 8
100: 9
010: 11
110: 946
001: 5
101: 3
011: 7
111: 11



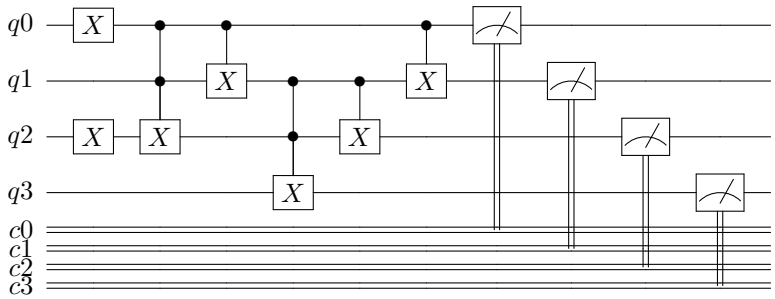
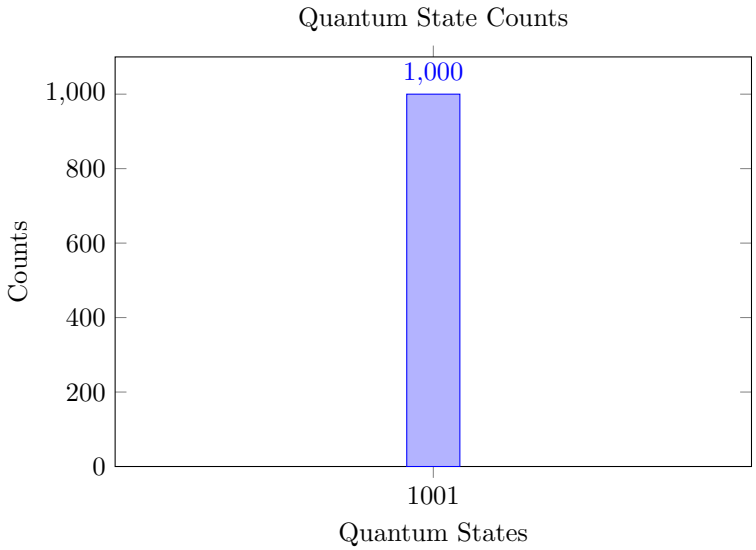


Figure 7: full adder

Classical register readings (left to right: cn,cn-1,..c2,c1,c0) for the simulation:
1001: 1000



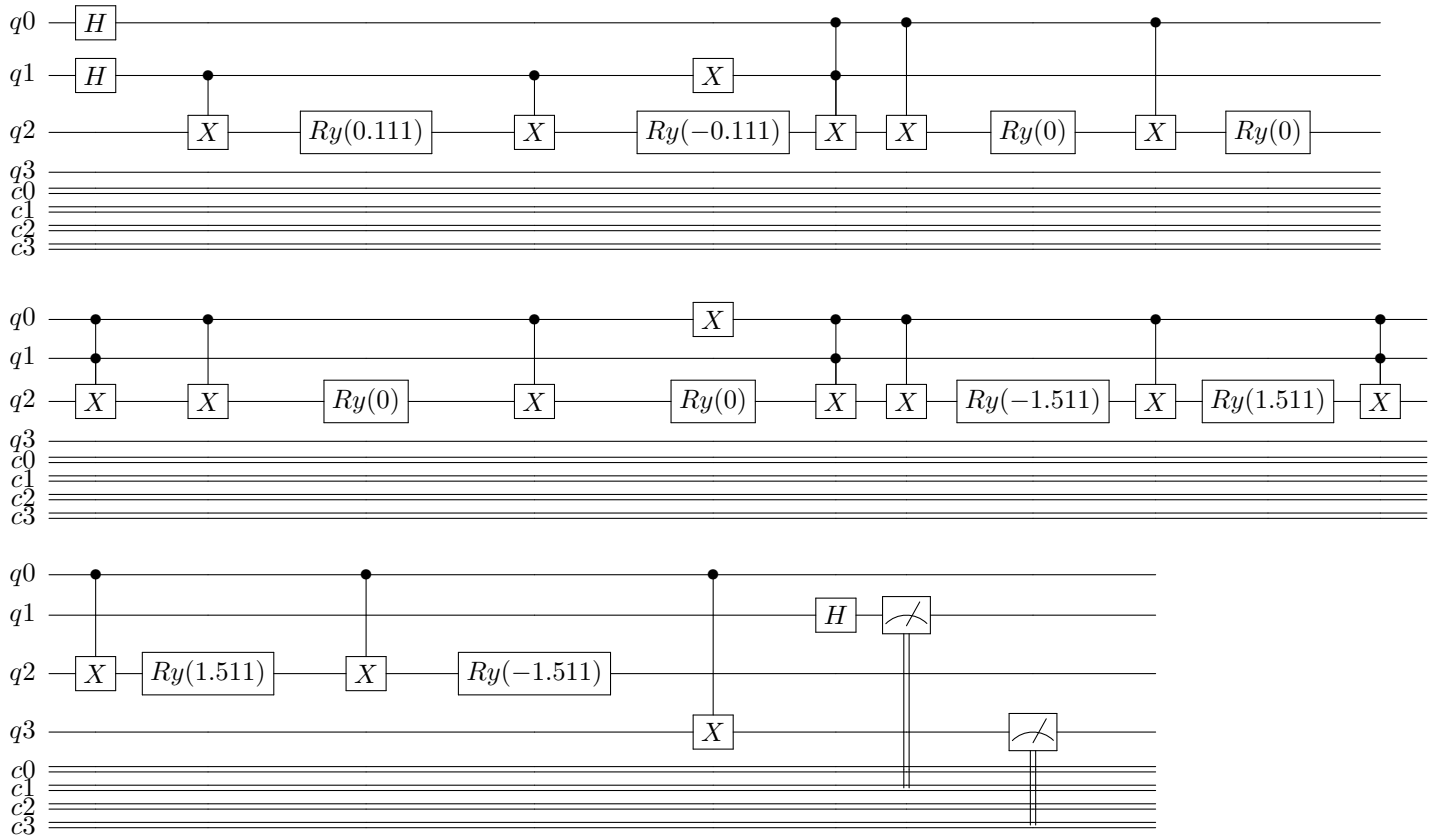


Figure 8: quantum classification

Classical register readings (left to right: cn,cn-1,..c2,c1,c0) for the simulation:
0000: 497
1000: 7
0010: 1
1010: 495