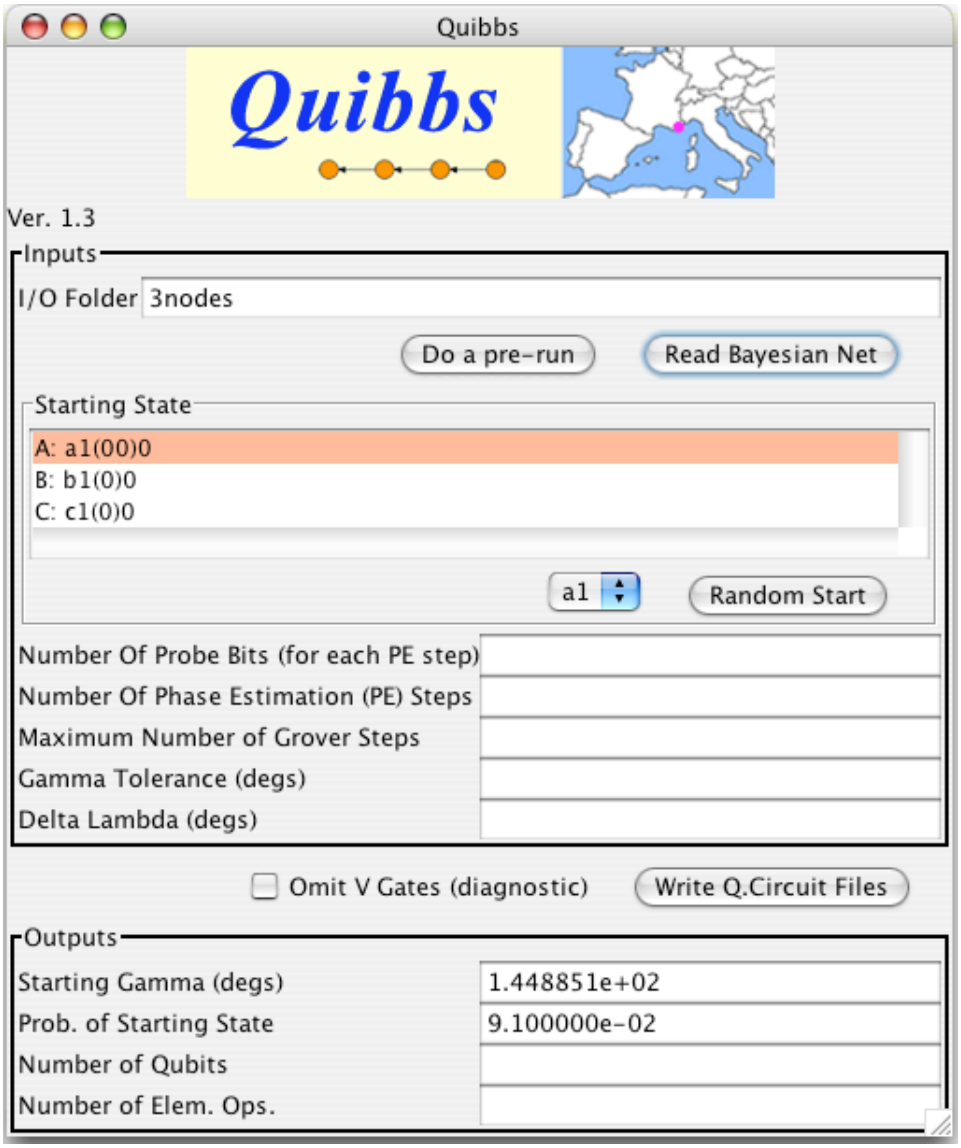
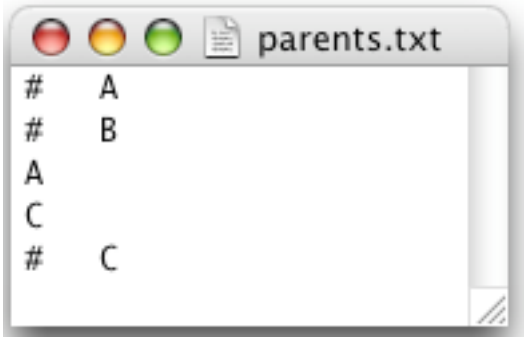
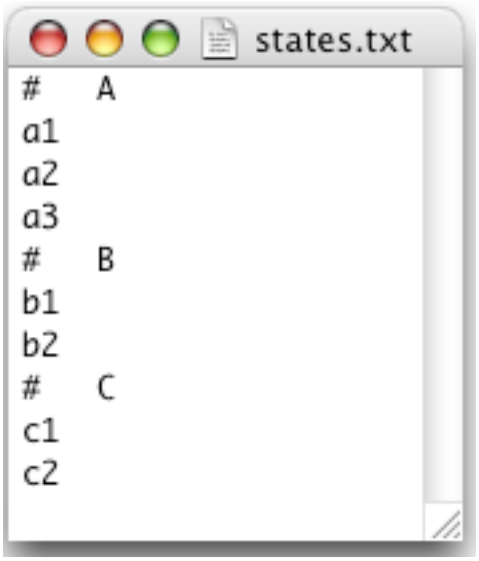
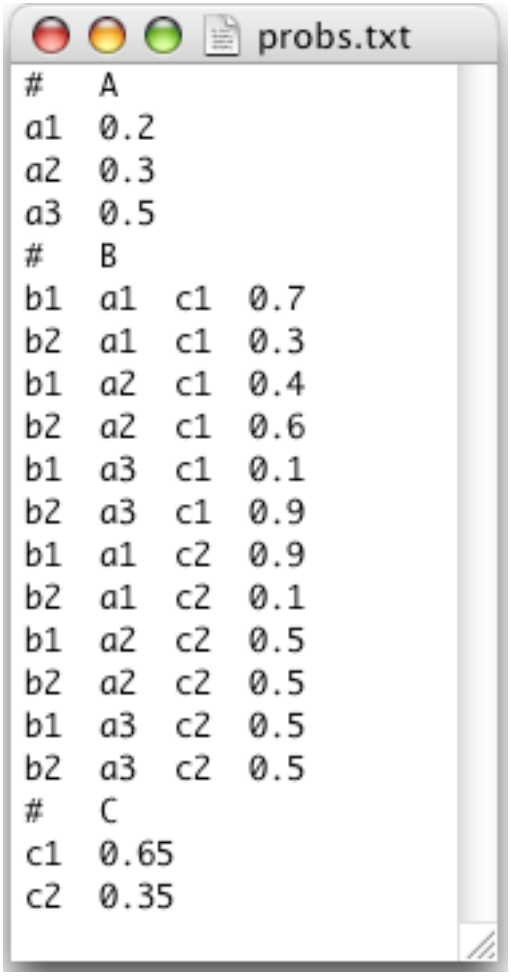

Quibbs
Quibbs
Ver. 1.3
Inputs
I/O Folder 3nodes
Do a pre-run
Read Bayesian Net
Starting State
A: a1(00)0
B: b1(0)0
C: c1(0)0
a1
Random Start
Number Of Probe Bits (for each PE step)
Number Of Phase Estimation (PE) Steps
Maximum Number of Grover Steps
Gamma Tolerance (degs)
Delta Lambda (degs)
Omit V Gates (diagnostic)
Write Q.Circuit Files
Outputs
Starting Gamma (degs) 1.448851e+02
Prob. of Starting State 9.100000e-02
Number of Qubits
Number of Elem. Ops.


parents.txt
A
B
A
C
C

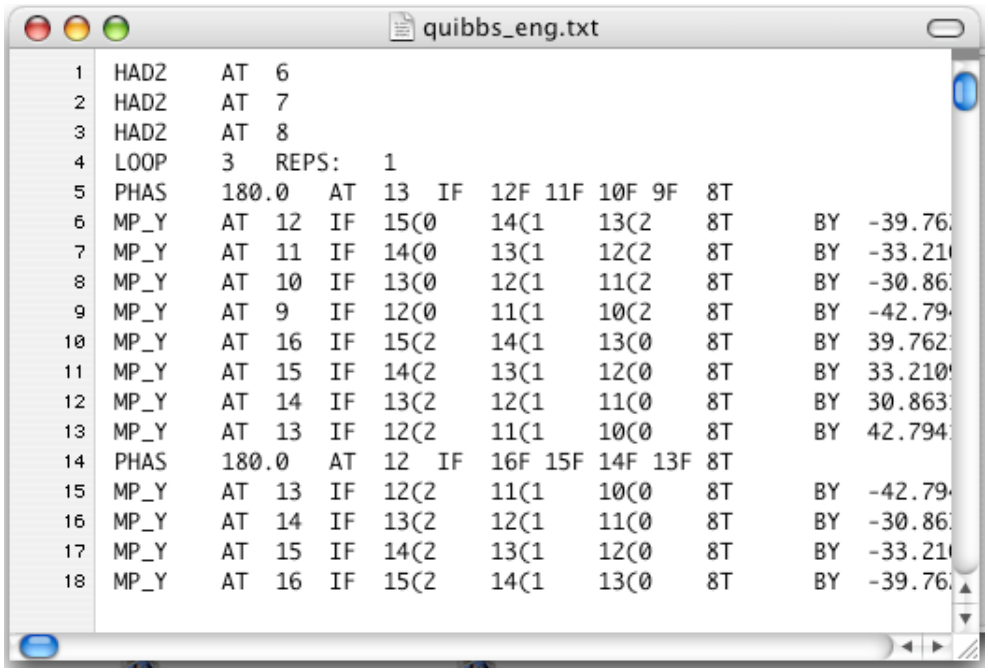

states.txt
A
a1
a2
a3
B
b1
b2
C
c1
c2

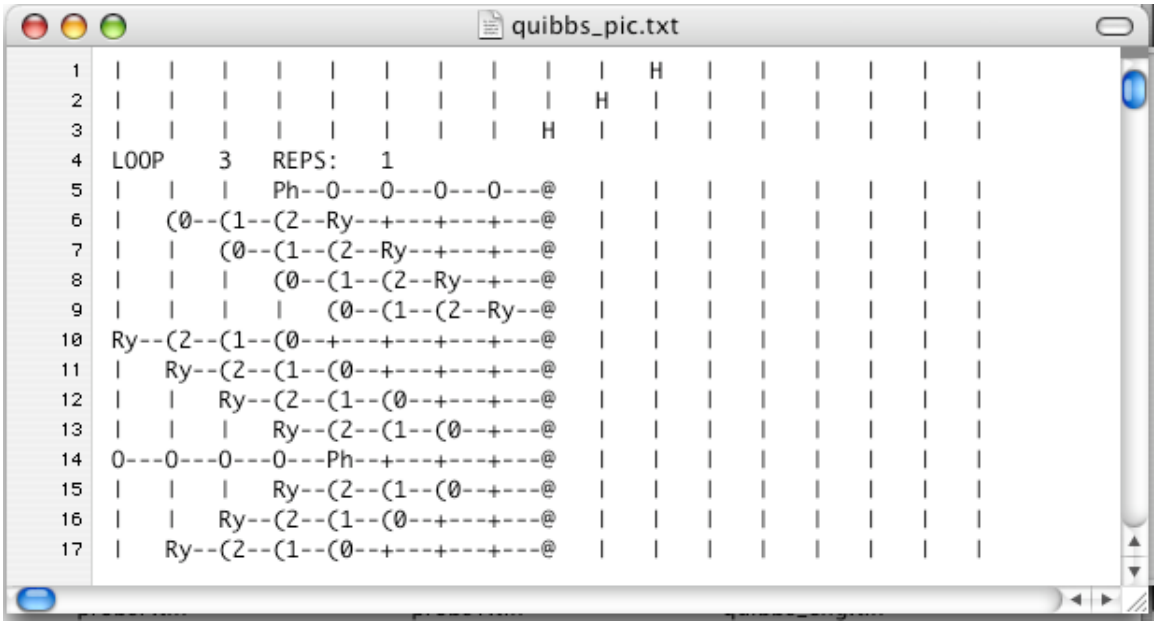

probs.txt
A
a1 0.2
a2 0.3
a3 0.5
B
b1 a1 c1 0.7
b2 a1 c1 0.3
b1 a2 c1 0.4
b2 a2 c1 0.6
b1 a3 c1 0.1
b2 a3 c1 0.9
b1 a1 c2 0.9
b2 a1 c2 0.1
b1 a2 c2 0.5
b2 a2 c2 0.5
b1 a3 c2 0.5
b2 a3 c2 0.5
C
c1 0.65
c2 0.35

quibbs_log.txt

```
Inputs:
I/O Folder = 3nodes/
Starting State:
A:      a2(01)1
B:      b2(1)1
C:      c1(0)0
Number Of Probe Bits (for each PE step) = 3
Number Of Phase Estimation (PE) Steps = 3
Maximum Number of Grover Steps = 10
Gamma Tolerance (degs) = 0.5
Delta Lambda (degs) = 150.00000000000003

Outputs:
3nodes/quibbs_eng.txt
3nodes/quibbs_pic.txt
3nodes/quibbs_log.txt
Starting Gamma (degs) = 139.99603866314905
Prob. of Starting State = 0.11699999999999999
Number of Qubits = 17
Number of Elem. Ops. = 8734
```


quibbs_eng.txt
1 HAD2 AT 6
2 HAD2 AT 7
3 HAD2 AT 8
4 LOOP 3 REPS: 1
5 PHAS 180.0 AT 13 IF 12F 11F 10F 9F 8T
6 MP_Y AT 12 IF 15(0 14(1 13(2 8T BY -39.76
7 MP_Y AT 11 IF 14(0 13(1 12(2 8T BY -33.21
8 MP_Y AT 10 IF 13(0 12(1 11(2 8T BY -30.86
9 MP_Y AT 9 IF 12(0 11(1 10(2 8T BY -42.79
10 MP_Y AT 16 IF 15(2 14(1 13(0 8T BY 39.762
11 MP_Y AT 15 IF 14(2 13(1 12(0 8T BY 33.210
12 MP_Y AT 14 IF 13(2 12(1 11(0 8T BY 30.863
13 MP_Y AT 13 IF 12(2 11(1 10(0 8T BY 42.794
14 PHAS 180.0 AT 12 IF 16F 15F 14F 13F 8T
15 MP_Y AT 13 IF 12(2 11(1 10(0 8T BY -42.79
16 MP_Y AT 14 IF 13(2 12(1 11(0 8T BY -30.86
17 MP_Y AT 15 IF 14(2 13(1 12(0 8T BY -33.21
18 MP_Y AT 16 IF 15(2 14(1 13(0 8T BY -39.76


quibbs_pic.txt
1 | | | | | | | | | | H | | | | | | |
2 | | | | | | | | | H | | | | | | | |
3 | | | | | | | | H | | | | | | | | |
4 LOOP 3 REPS: 1
5 | | | Ph--0---0---0---0---@ | | | | | | | |
6 | (0--(1--(2--Ry--+---+---+---@ | | | | | | | |
7 | | (0--(1--(2--Ry--+---+---+---@ | | | | | | | |
8 | | | (0--(1--(2--Ry--+---+---@ | | | | | | | |
9 | | | | (0--(1--(2--Ry--@ | | | | | | | |
10 Ry--(2--(1--(0--+---+---+---+---@ | | | | | | | |
11 | Ry--(2--(1--(0--+---+---+---@ | | | | | | | |
12 | | Ry--(2--(1--(0--+---+---@ | | | | | | | |
13 | | | Ry--(2--(1--(0--+---@ | | | | | | | |
14 0---0---0---0---Ph--+---+---+---@ | | | | | | | |
15 | | | Ry--(2--(1--(0--+---@ | | | | | | | |
16 | | Ry--(2--(1--(0--+---+---@ | | | | | | | |
17 | Ry--(2--(1--(0--+---+---+---@ | | | | | | | |