Oubits n = 16Qubits n = 20Qubits n = 16Qubits n = 20depth d = 20depth d = 20depth d = 40depth d = 400.2 0.75 time [s] time [s] 0.040 0.50 0.1 0.25 0.035 8 16 2 4 8 16 8 16 4 number of nodes number of nodes number of nodes Oubits n = 16Oubits n = 20Oubits n = 25Oubits n = 30depth d = 60depth d = 60depth d = 20depth d = 200.10 time [s] time [s] time [s] 100 <u>S</u> 0.2 time 0.05 50 0.1 2 4 8 16 4 8 16 4 8 1 6 4 8 16 number of nodes number of nodes number of nodes number of nodes Oubits n = 25Oubits n = 30Oubits n = 25Oubits n = 30depth d = 40depth d = 60depth d = 60depth d = 40200 time [s] 5.0 time [s] time [s] 200 2.5 100 100 2.5 4 8 16 8 16 4 8 16 8 16 number of nodes number of nodes number of nodes number of nodes

QuEST benchmark for RQC algortihm (over nodes)