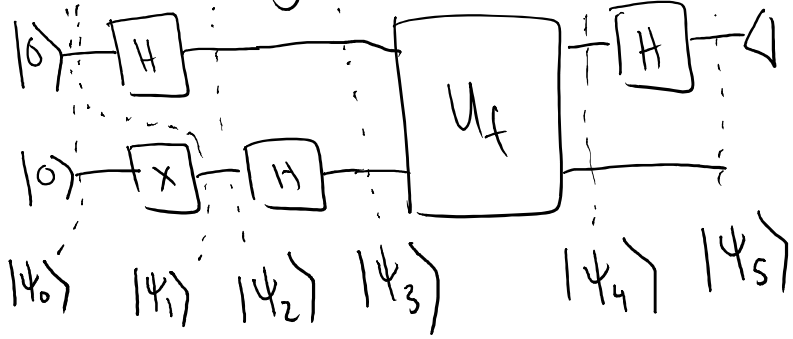
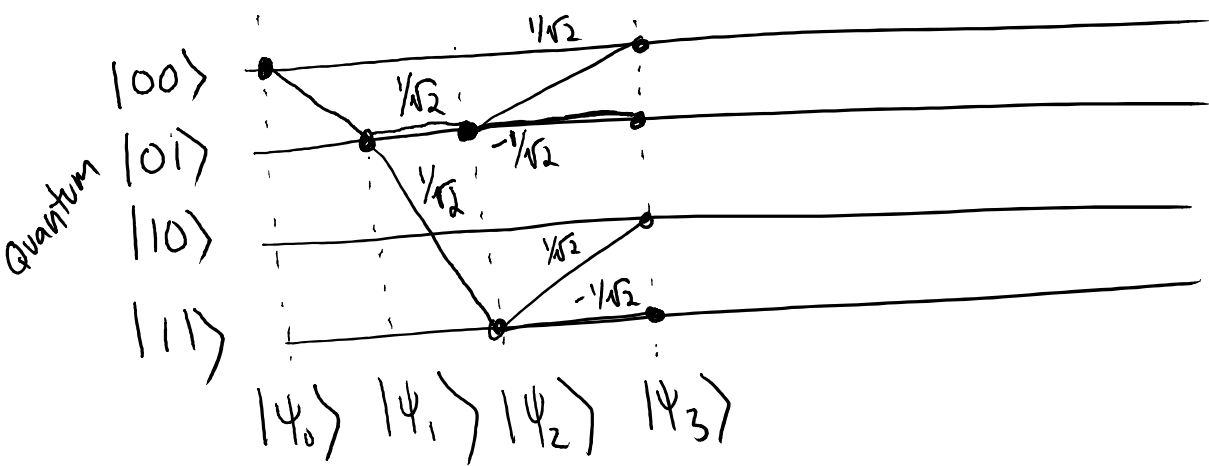


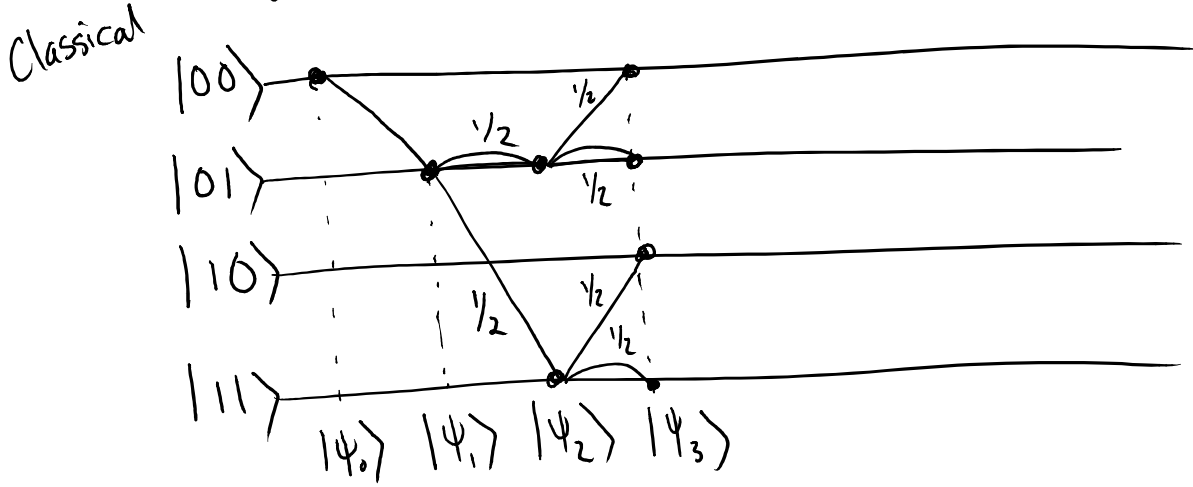
Deutsch Algorithm $f(0)=f(1)=1$



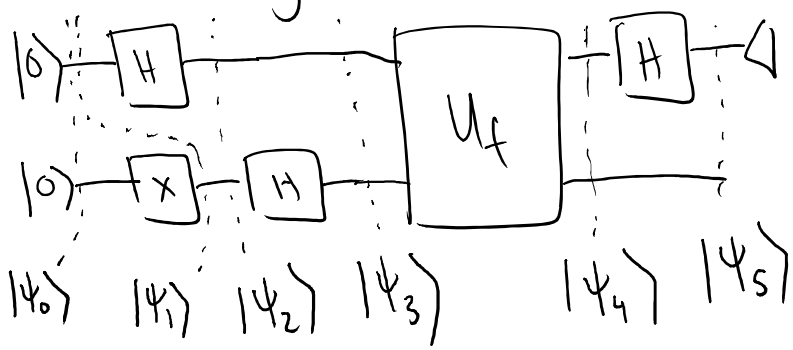
Compare Paths of Quantum vs. Probabilistic



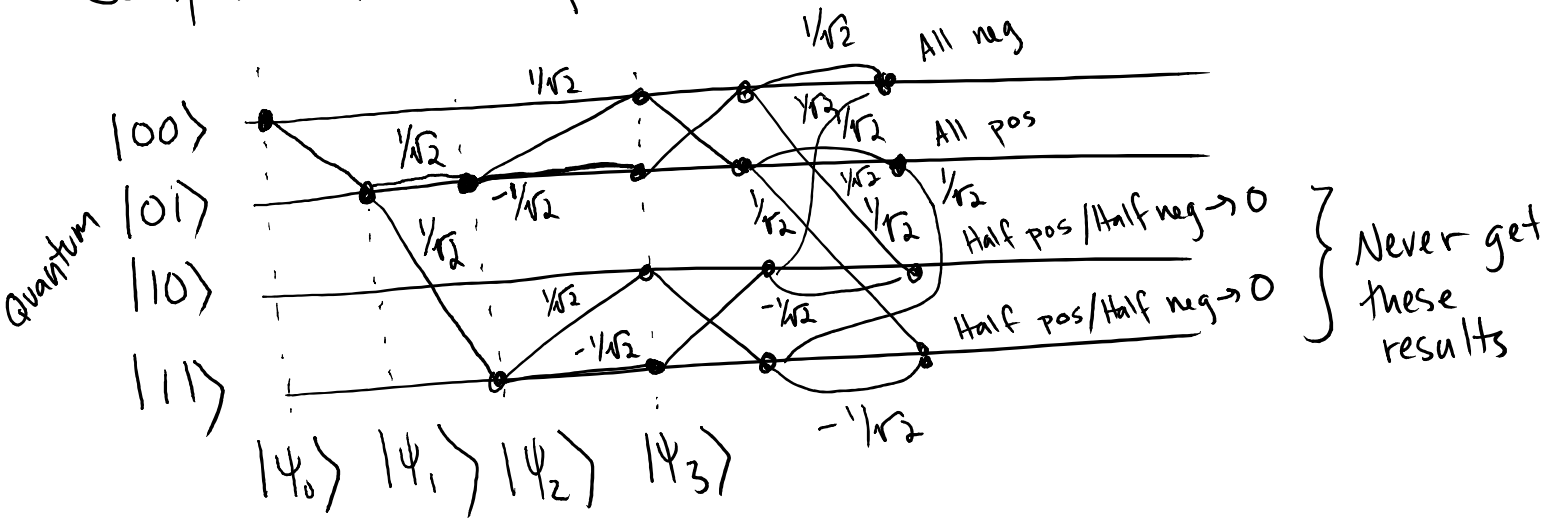
(Treat H as coin flip)



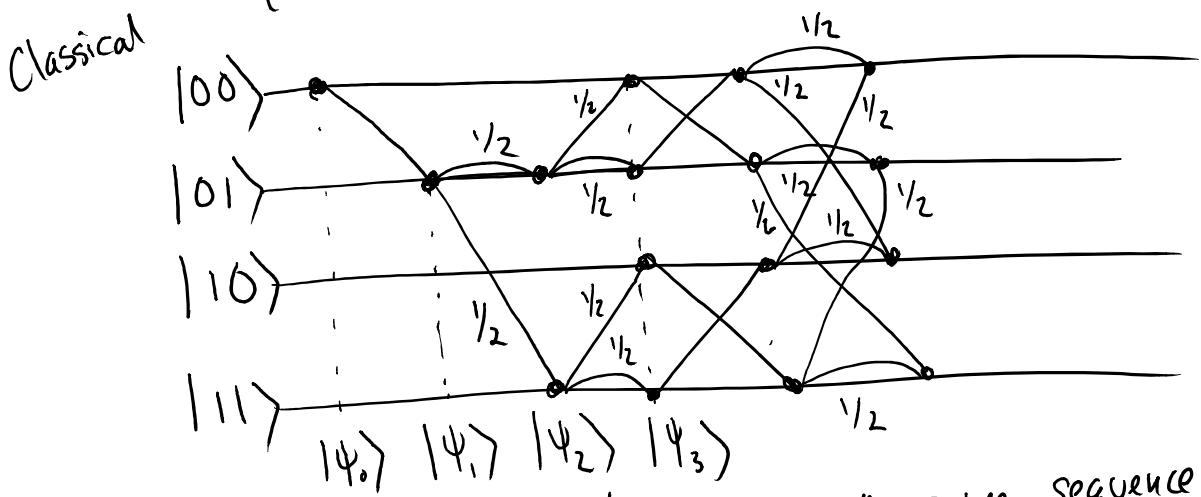
Deutsch Algorithm $f(0)=f(1)=1$



Compare Paths of Quantum vs. Probabilistic



(Treat H as coin flip)



Both computations contain exactly the same sequence of paths. But positive + negative paths interfere to cancel out in quantum computation.