Single Dubit Gates:

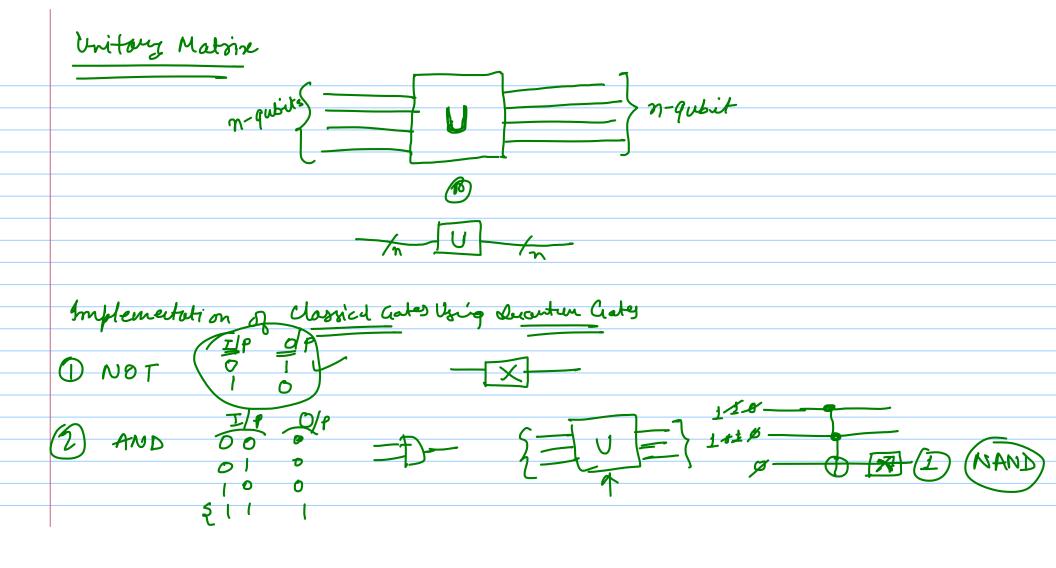
OH IT 
$$\frac{1}{52}\begin{pmatrix} 1 \\ 1-1 \end{pmatrix}$$

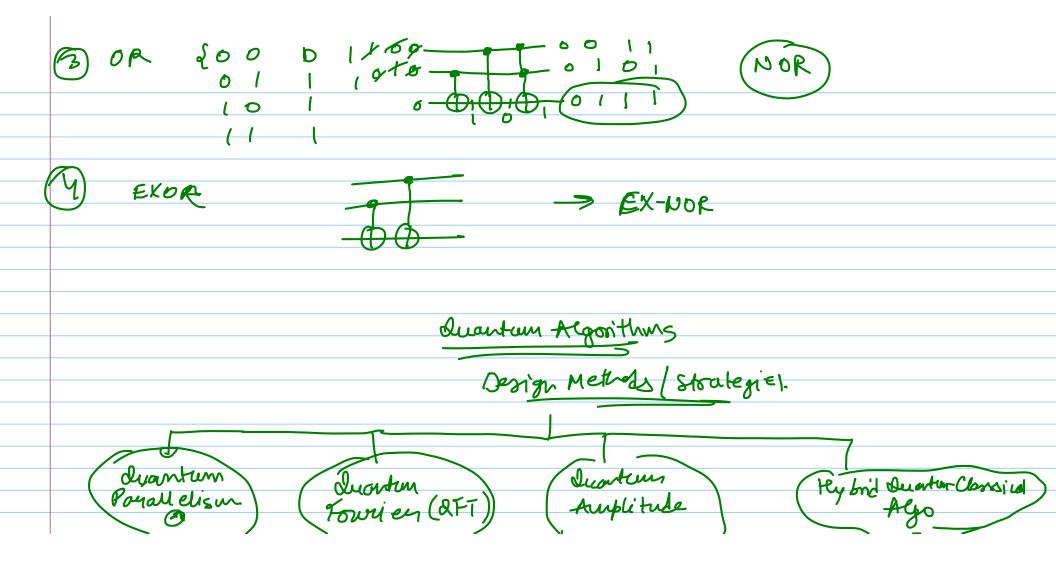
Rouli

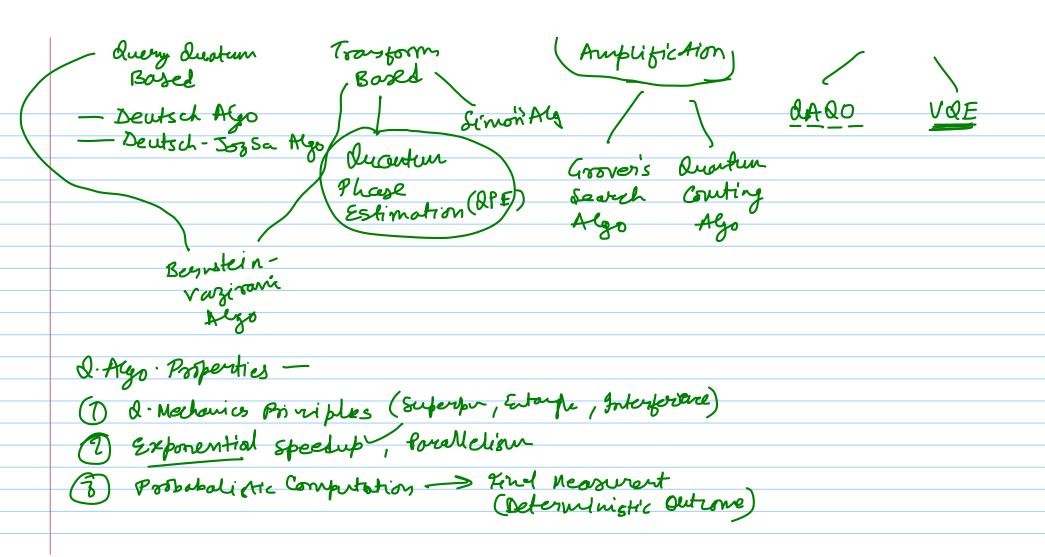
OX  $-[X]$ 

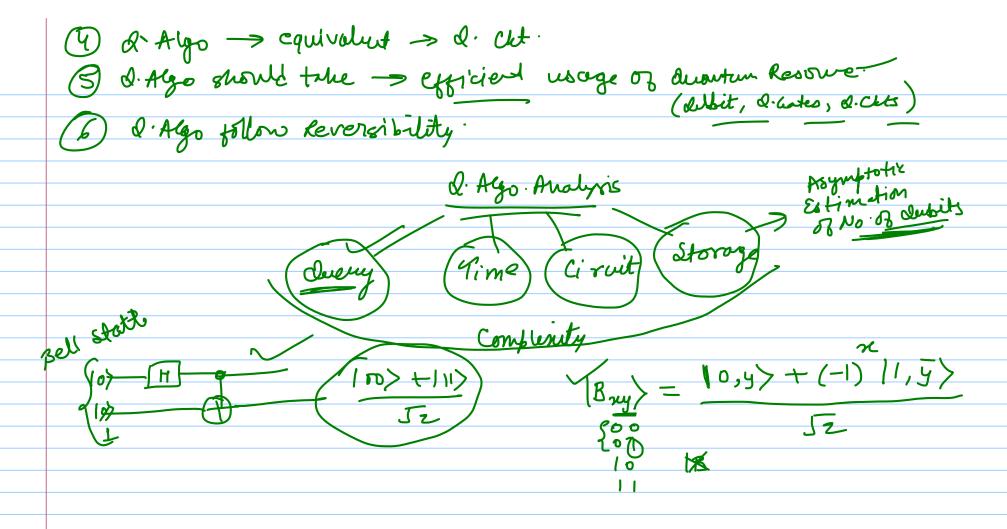
O  $= \sqrt{2}$ 

(1 0 sixy) = ett/4









$$\frac{|B_{00}\rangle + |00\rangle + |11\rangle}{\sqrt{2}}$$

$$|B_{01}\rangle = \frac{|O1\rangle + |O\rangle}{\sqrt{2}}$$

$$|B_{10}\rangle = \frac{|00\rangle - |11\rangle}{52}$$

$$|B_{11}\rangle = \frac{|01\rangle - |10\rangle}{\sqrt{2}}$$