Quantum tele poetation 1) Indac state ( ) 14> = ×10>+ B/1>  $|B\omega\rangle = \pm (|\infty\rangle + |11\rangle)$ ( 14> Poo = ( ×10>+ B12>) & ( 100>+/11>) 2) Alice Apply A CNOT gak with 1st gulbit as contect and here hard of 6000 EPR as torget Lo CNOT (0,1)(14) (CNOT(0,1)  $\left[\frac{1}{\sqrt{2}}\left(\frac{10}{(100)}+|11\rangle\right)+\frac{1}{8}|1\rangle\left(\frac{100}{100}\right)+|11\rangle\right)$  $\frac{1}{\sqrt{2}} \left[ \frac{10}{(100) + 111} + \frac{11}{(110) + 101} \right]$ 3) Acice apply a H in here fixt qubit,  $\frac{1}{2} \left[ \propto (10) + 11) (100) + (11) + \beta (10) - 11) (10) + (10) \right]$ \_s Affect some moth 1 (00) (x10)+B(1))+ (01) (B(0)+x(1))+ 110>(×10>-B/2))+11)11)(-B/0)+×/12))+