Full and partial Co-bit measurements Full measurement agiven n number of Ceutity you measure all ofit Partie' measurement you mesosure pertally when Oubits measured which is in the state, the after measurements, it converts to a pure state. Colassical bits Lules You must ensure that the converted state full fil the normalisation constraint example of fill measurement

full measurements The Qubits must not have Find the full measurement of 142 Resultant west nie weu t frop (W) = (OU). (1)*(1) (1)*(1) (-12/i) - 1/4(-i) (4) = (10) (1) = 4 (pp)=(pa) P(AUB) = PLA)+PLB) +P(Ans) partial example of measurement Resultant 2006 we sinkwent 14> =- = 140> 1-212+121 1st Qubit = 1 ナたハン (計)=3

(2) (-110) + 32 (1) partial measurements mo = 10>+ 5 example of Resultant state Probability Measurement 25+ Qubit -1 1-212+(2)= リカノナーショントナルの ||元 100/1 111 + 4 Clubit = 0 147=-121007+2100) ヤヤヤーを En 52 harder example on

FX TE TE 64% $\sqrt{\frac{2}{5}} 10(100) + \sqrt{\frac{1}{5}} 1111 > + \sqrt{\frac{1}{5}} 1010$ F 1000 What is the probability and resultant Force if 157 end 4th Oubits are 0 Wessal Ewel f Resultant Probability State $\left|\frac{1}{13}\right|^2 + \left(-\sqrt{\frac{2}{3}}\right)^2 + \left(\sqrt{\frac{1}{3}}\right)^2$ 1 = 4 = 4 = 5 resultant 14) = JE (0000) - (E) (0100) + (1/3 / 100) Whatever the