Eg. it X is a set: ASSUM 0 -> 1:3 and 1-1:4 frobablished $fr(x=0) = \frac{3}{4}$ for $fr(x=0) = \frac{3}{4}$ Column vocabor: (3/4) = 1) Productify vocaber Hue P, ne pt sit nis a possible state. Assumption I entry for each possible state. Content: Classical into Let 22 de ay classial State Set, assum tue 2, u is in corr. with IN: 1,..., 121 Hue 2, u is in corr. with 110.

Les 2

Duote las - column valor s.t (1 it x-a

o if x \(\xi \) \(\xi \) \(\xi \) 1f 2= {0,1), that: $|02 = (1)^{-1}$ and $|12 = (0)^{-1}$

99

Quarter - Corps quarrie le celesion from dassicol into Rescriptions of quartum into: I simplified descesiffer Leveralis refresented of vectors
Leveralis refresented of unitary matrices
Leveralis for most quantum algorithms General description fountum states ref. 3 don't matrices.

includes som simplified + classical into Cincoding Pos state) a> special case. [classical info] Consider physical sys. of into "x" Let x Se in 1 of a further ut of classical 8-botes aut each Moment. Lut 2 = Eug Classian finite States)

21 canot se enfly (/release 2 pos. 8hutes) if x-5it: 2= {0,1} it x-6/4dx: 2=51,...,6]