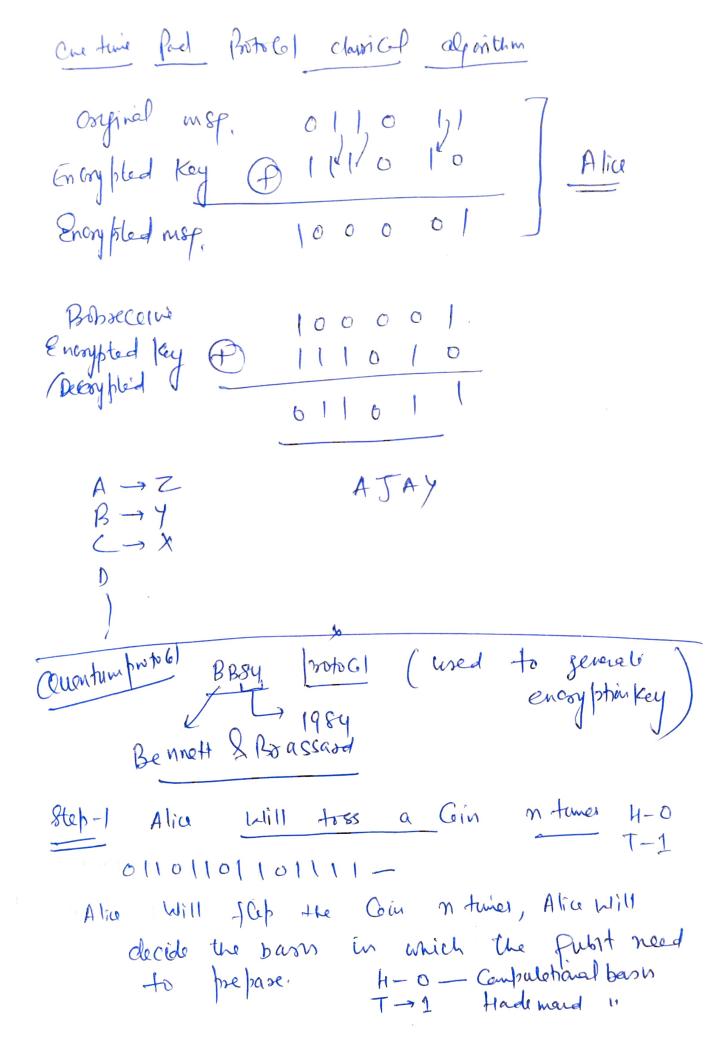
20 feb, 20ry 1 (Quantum Cryptopsaphy) Classical Confitography Alia > Decryptain -> msg. Falce a laye No. 3 decryption when funding two prime No. of the two prime No. of this laye No. Shorts proposed our algorithm 8 horts factoring MIT in Oblynomial time Computer How many Clubst Quentum Post Quentum Coxptoppethy Advantage: - (1) Ere Con't able to Copy the publit. 9) If the try to able the merrage meens Meanuement take place, the pubit will be destroyed.



Compute harel basis 102,11> $|0\rangle = (0) = |0\rangle = |1\rangle = |1\rangle$ 10) Computerial Basin H>= = []= |7) - Hademard v 1一)= 1 R > denote 1 in Hadoward 11 Alice 9 4 3 qubit 0 0 0 Alice Randon 6/4 H C H (Alica C <u>C</u> H Rand our Bases 47 1/1/1->> 177 1-77 Alia Send H H H H 0 H Bub K6107= K+10712= 1= [1 1<11 1>1= 1 14+117/2 1/2 K+1+>12= 1 120(47) = 1/2 1<-1->1=1 1<11+>12= 15_

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Initially lovo leighth key 500 length key AflerBub Masuremand & Basis Announcement 200 leupth Jublic Key Jublicelly announced by Atra Stock 249 Metcheins a fixed percentage of Emris Allund. Kemerning 250 boutti are used as a in comptan, desyption key