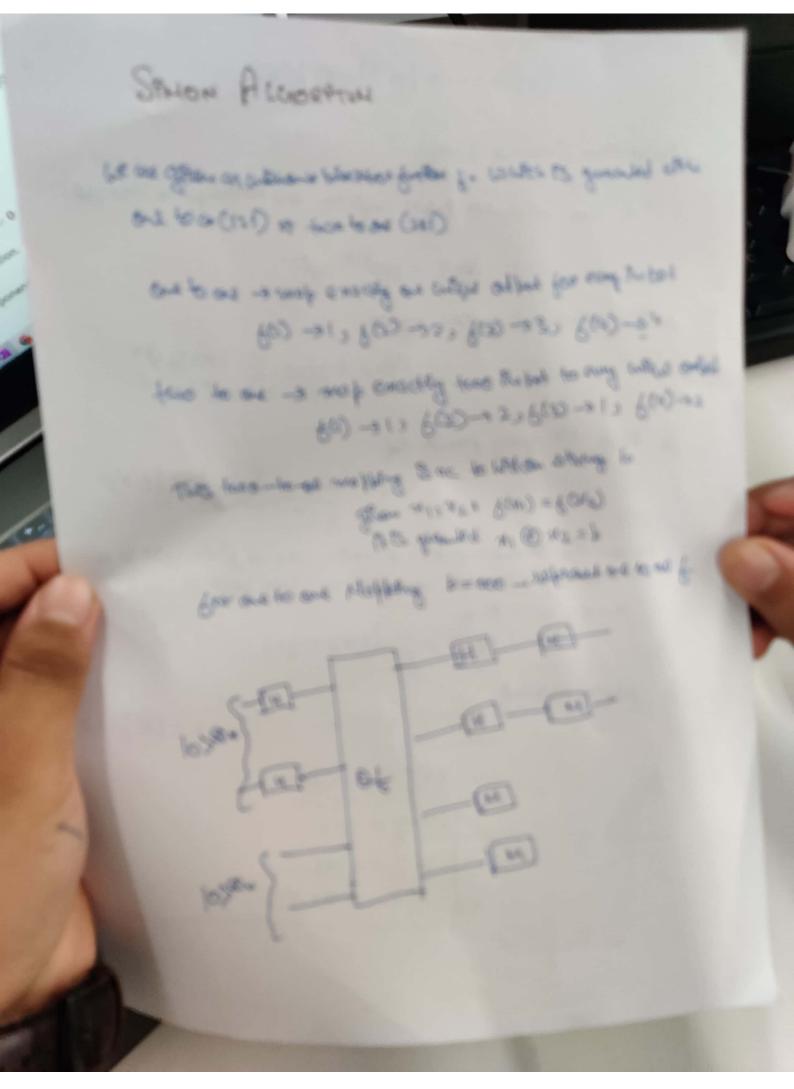
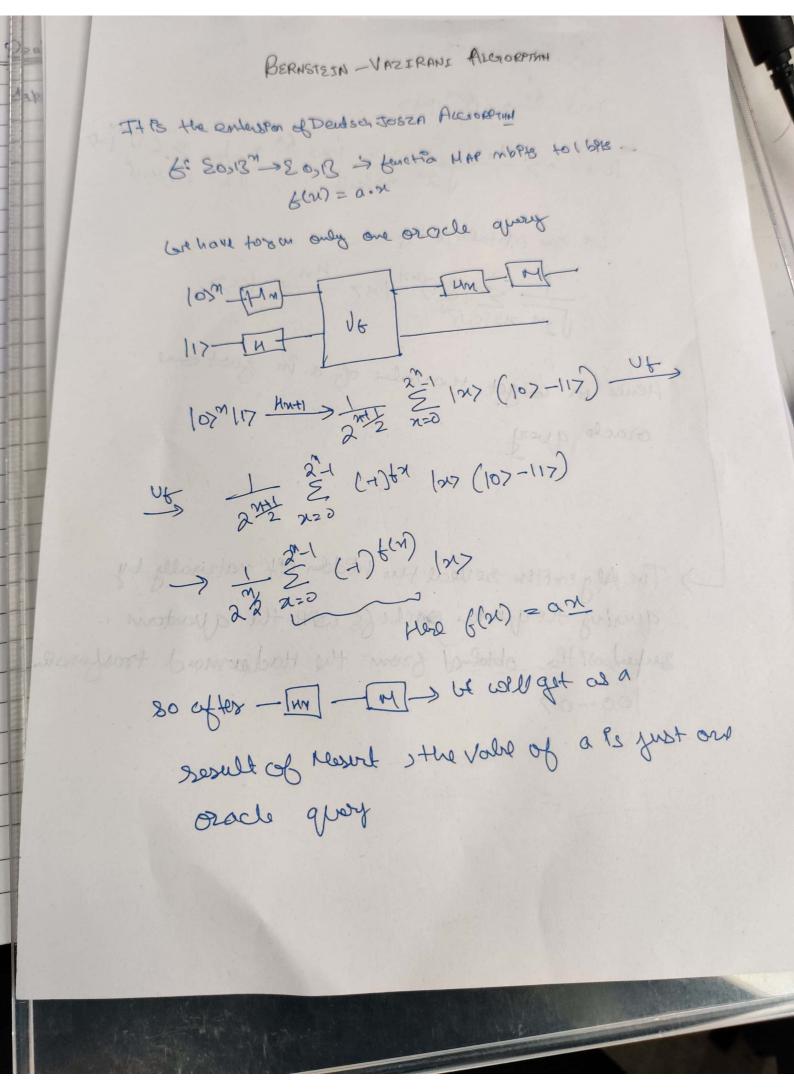


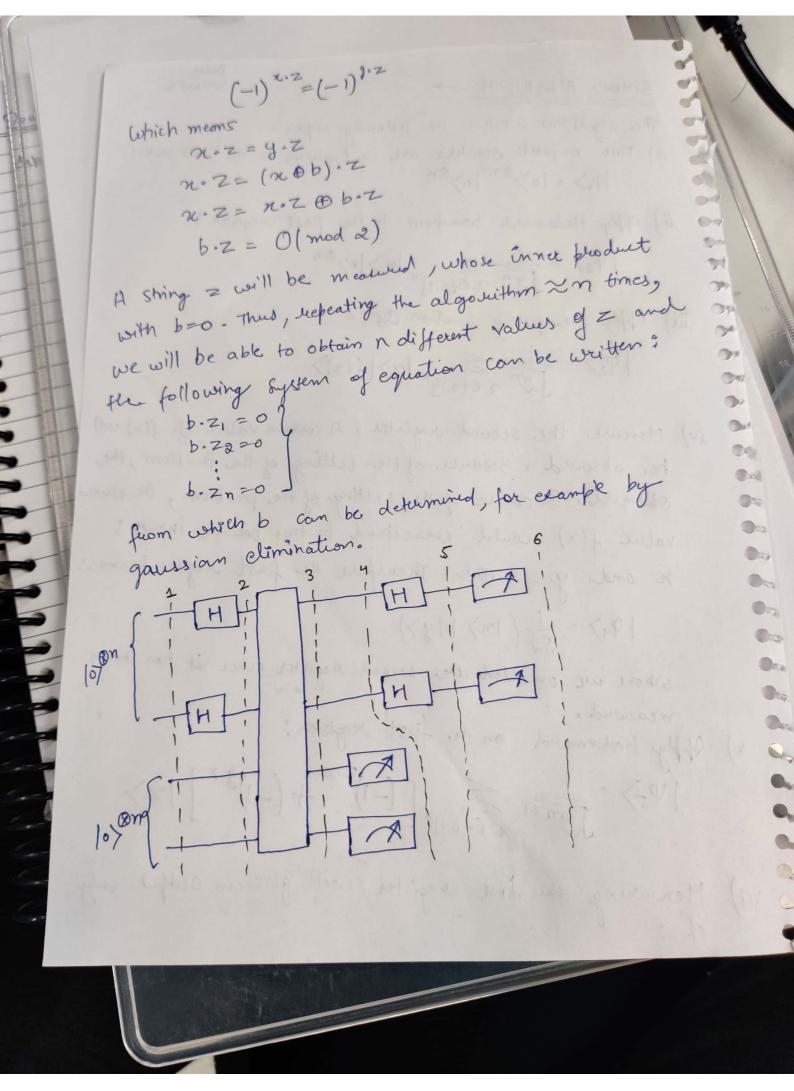
SPMON ALGORPTHM We are green an interior blockbox furtion f. which is guranted either or to a C1:1) or two to one (2:1) one to one -> mop exactly one culque of put for every Purbal Par →1, Par →5, Par →3, Par →3, two to one -> map enactly two input to every where only b(1) →10 6(2) → 2,6(3) →10 6(4) →2 This too to as mapping Bac to wildow strong b given ×17×2: 6(N1) = 6(2/2) if is guarded NI @ X2 = b Gos one to one Mopking b = 000 - represent one to one f

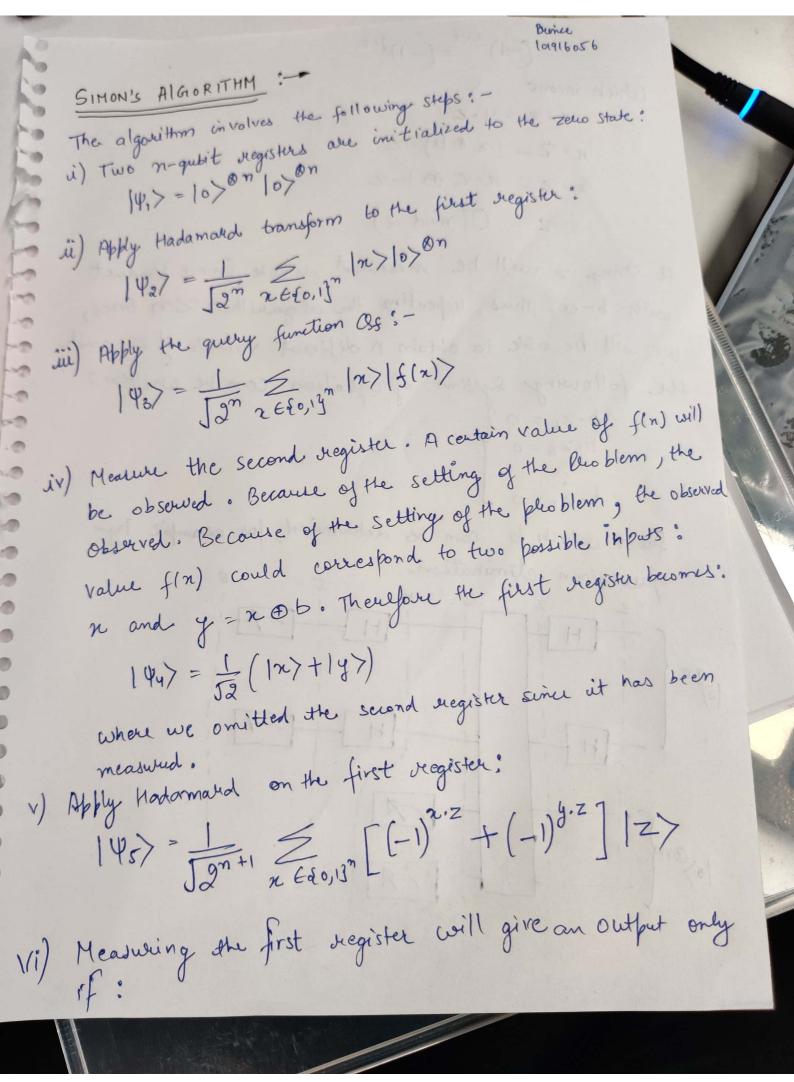


Scanned with CamScanner

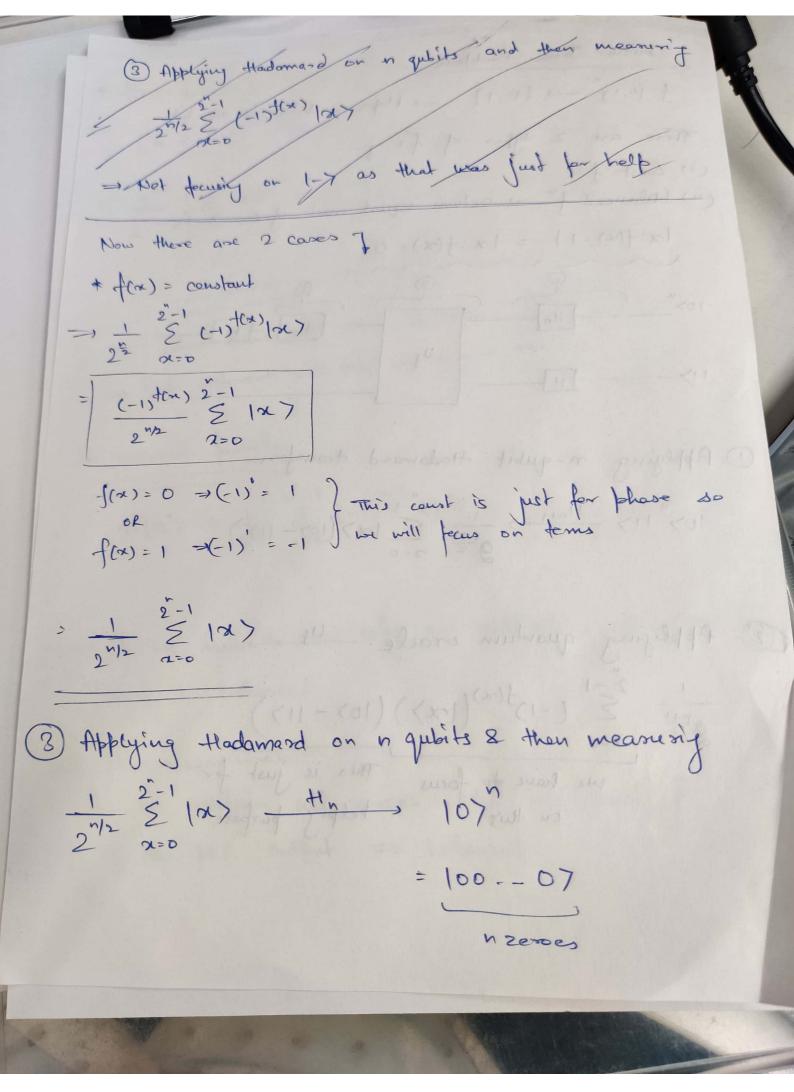
1x 600 5 (130 3x 1m> 60 5 CD 1m> 100-0> Hm 1 5 1x> 60 1 2 21-Don's 1x Let can obtain a by J2M 2280, 17M (27 MM) (a) Hence or a get the value of a in just on cracle query) The AlgorPth se Veal the hidden bot naturally by quering the quarter each Es with the quartor Superposition obtained from the Hackarmond transfunction 100--07

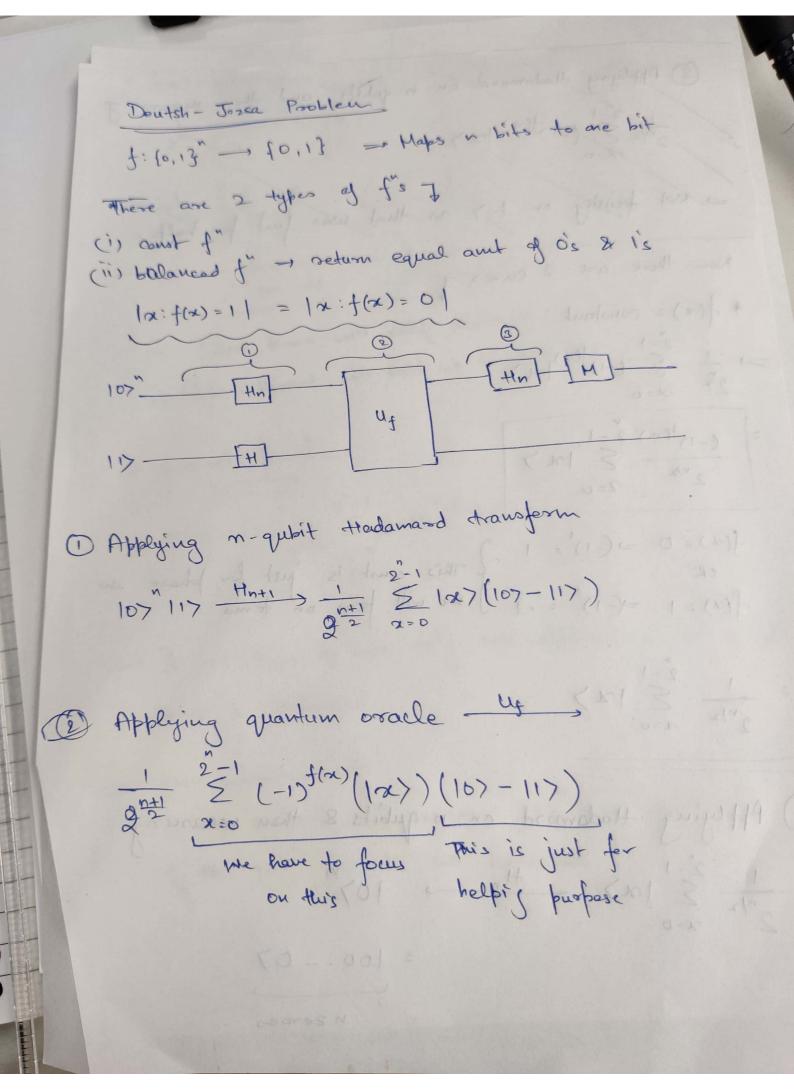






+ f(x) = balanced > 1 2 -1 (-1) f(x) /27 = 1 [[[x7 - 8 |x7]]
2"/2 [a:f(x)=1] 2"-1 100---7 > Same terms will self destouch > But different will bold up to give ans de general famula H/x7 = 1 2 (-1) x / / / I So we have to sun only one application to find and & balanced So after measurement (i) If we obtain all server = 107 => Court of (i) If and 107 output => balanced





1 (x:60) =0 N=60M)=1) = 1 (x/y) - 2 (x/y) = 1 vector ly> to all resal 14>=10 000> Le have equal annotes of the (x. fix) - E/x ? and fxnes boloneed 22 (2 1-27 - 2 12/7)
22 (2ml 1000-0) (2ml 1000 --07) thouse vector will self Destauct (+-) Now we will Hospite ± If we obtain all geros 1027 than 6×1195 construl If result PS other than vector exapt losm thongrans > Here we can distinguish b) W balanced & combtant furtion balanced > NO 10> 0/4, constel -sorly 10>0/4 -> The self Destruction is delated to partframe