Pa

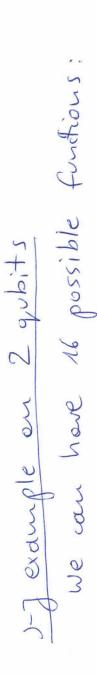
rerelisation of Doutsch algorithm to ngobits fuction has 2" possible inputs, but is still binary in it's volues) f: 50, 13 mm> 50, 13 f: fo,1,--,2m1 -> fo,1 } .00

constant or weither bolonced nor constan (bolonced furtien is such, that has equal in this case furthers may be balances function either bolonces we will errune, that one les ale mumber of rollies 0 as 1) rat o tar constant represent

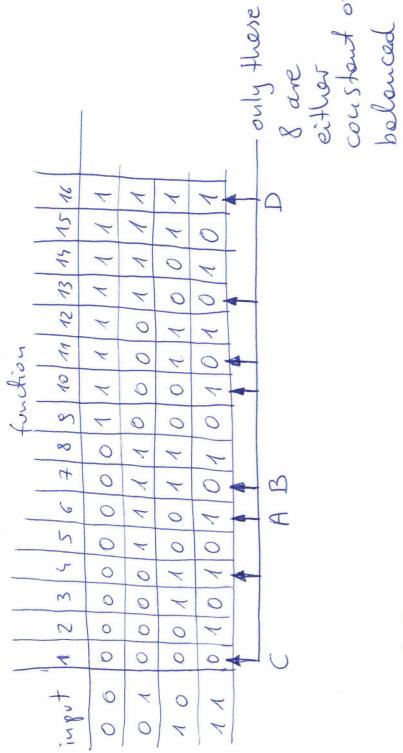
n measure 1 B B ± 山 I 0

,

overage 2" + 1 = 2" + 1 uneasurement 2"-11 clossicelly 2 dorn'colly · it ineasurement gives 08" (n renoes), then function is constant It -> bolonced but classicelly we would need an again we do only I measure inglements fuction either constent or belonced) ing, that onecle > · any other measureme => Deutsch







input ) 0101 0011 0 Example A

f(x, x1)= KO X1 -> this is addition =>fz - belonced 0110 0011 -RIC B 1010

Example C

=> coustant fouchis Emphy oracle

Example 1

