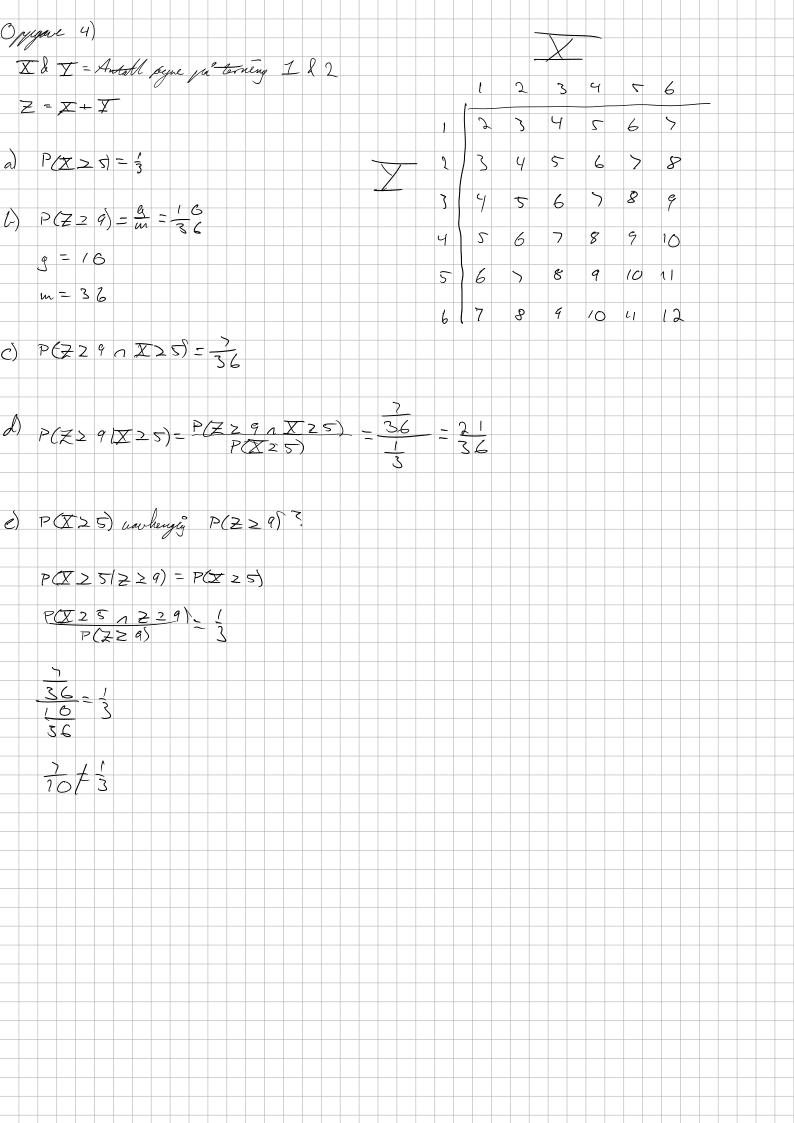
Stuck 2 Cyy) F; Syllist Ver lyl foran Tye loven on loke = 0,31 Bi- Soyhlive har lys Cak P (Lye hun foran) = 0, 24 P(Lys kumbak) = 0,0 7 a) P(F) = P(Lye bran oglob) + P(Lye kun faran) =0,31+024=0,55 () P(B)=038 C) $P(B|F) = \frac{P(B \cap F)}{P(F)} = \frac{0.31}{0.55}$ Jugo 2) P(A)=0,96 P(B)=0,94 P(Havarerer) - (1 - P(A) 1 - T(B) = 0,04 - 0,06

0/1/03) C. Person i en Cefolhatig smittet med Covid - 19 PO()=0,76 To Test eler ut pasitive for Covid - 19 P(+1/C)=0,99 PCC) = 0,03 a) PCT(C') = 1 - PCT(C') 6) P(T) = P(TI)P(Q) + P(TIC')P(Q') =0,76.0,03+0,01.0,97 500322 C) PCCT) = PCTIC) PCC) -0,0325 =0,00223,640 D P(T) = P(T/C) P(C) = (1 - P(T/C)) P(C) = 0 24 . 0.03 P(T) = P(T) = 1 - P(T)



 $F(X \subseteq X) = \begin{cases} \chi & \text{flu} & \text{flu} = X \end{cases}$ () P(X) &) = = ? P(X < k) = 1 - P(X > k) 15=1-7=6 4=5/6(c) P(2 < X < 2) = 1 f(x) dx = 25 $\frac{1}{3}$ $= 25 - \frac{1}{25}$ $= 32 - \frac{1}{32}$ =

