





Multiplying Hough gives

et dit(X=n) + Lett P(X=n) = Lett P(X=n-1)

et dt => lest P(X=n) = set P(X=n-1) -(3) n=1 _e qet. le 1+ P(X=1) = 1 e 1+ e - 1+ = 1 => e 1+ P(X=1) = 1++c. +=0=> P(x=1) =0 So c=0. P(X=1) = e-1+1+ $T_{n} = P(X = n) = (1 + 1)^{n} = 1$ n=0, 1, 2, 3, 4, Eq. tre (- n=0 sn=1 premient)
soon). Assume true for n=1. clest P(X=n) = rest (it) = -it (~-1) $= \frac{1}{1} + \frac{1}{1}$



