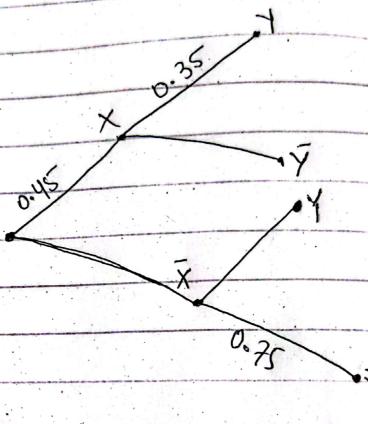
27/01/2022

Probability
Assignment



Solution:a) P(Y) (b) P(XIY) (c) P(XIY)

$$P(\chi) = 0.45$$
 $P(Y|X) = 0.35$ 
 $\bar{X} = 1 - 0.45$ 
 $\bar{X} = 0.55$ 
 $\bar{Y} = 1 - 0.35 = 0.65$ 
 $\bar{Y} = 1 - 0.75 = 0.25$ 
 $\bar{Y}_{1} = 0.75$ 

P(Y) = P(XIY) + P(XNY) (a) (0.35 x0.45)+(0.55x 6.25) 0.295 P(XIY) = P/XUX) (b) P(Y) P(X) . P(Y) 0.45)(0.35) 0.295 0.534 Ynx19 YIX 9 20.00 x 21.0 0.45)(0.65)+(0.55)(0.75 0.415 D. 2925 0.705 1-0.415 10-585