What do we know? I have fromby a menage X<sub>0</sub>=2 M=2, p, q server generalist in epoch t. P(Y=1)=0 P(Y=2)=0 If Xt=2 then P(Yt=1 or Yt=2)=0 time him Vin I want to calculate What is P(X<2) = P(X=1)+P(X=0) Os (0=1X) +(X,=1) = 2p(1-p) P(Y=1)=29p(1-P)

Q.) 
$$P(M=3)(I=3) = 2$$

$$= (1)(2) = 2$$

$$S = 2$$