$$=\frac{(1-0.05)\cdot 0.05+0.35\cdot 0.05}{(1-0.05)\cdot 0.05+0.35}=\frac{1}{1-0.05+0.35}=\frac{1}{2}$$

2) Theen now reportablylye mome he oretto morrhour. Ho npolepra newourke pay goen repoulur pezyustram

Tyrolepums 
$$k$$
-No $g = P(B1A) = (0.05)^{k}$   
 $(1-(0.05)^{k}) 0.05 = 1-(0.05)^{k}$   
 $(1-(0.05)^{k}) 0.05 + 0.05 \cdot 0.35 = 1-(0.05)^{k} + 0.95$ 

$$(-(0.05)^{k} + 0.95^{k}$$

3

P(BIA)P(A) V P(BIA)P(A)

P(A) - P(BIA)P(A) V P(BIĀ) - P(BIĀ)P(A)

P(A) (1-P(BIA)+P(BIA)) (P(BIA))

P(A) V, P(B|A) = 4 1-P(B|A)+P(B|A))

 $P(A) = y = 5 P(A|B) = \frac{1}{2}$ 

P(A) 59=> P(AIB) > 1/2 P(A) 69=> P(AIB) 61/4