

(x\* 0 = 0,15). (0,47)  $=P(x^*|\theta=0.75).(0.53)+1$  $=(0.75)^{\times}(0.25)$ 0,53 (0.5) , (0,47 (0.5)X. =Bern Bern 3975 .6325 = Beta 2+x, B+n-x) is the posterior predictive dist.

P P P P

0

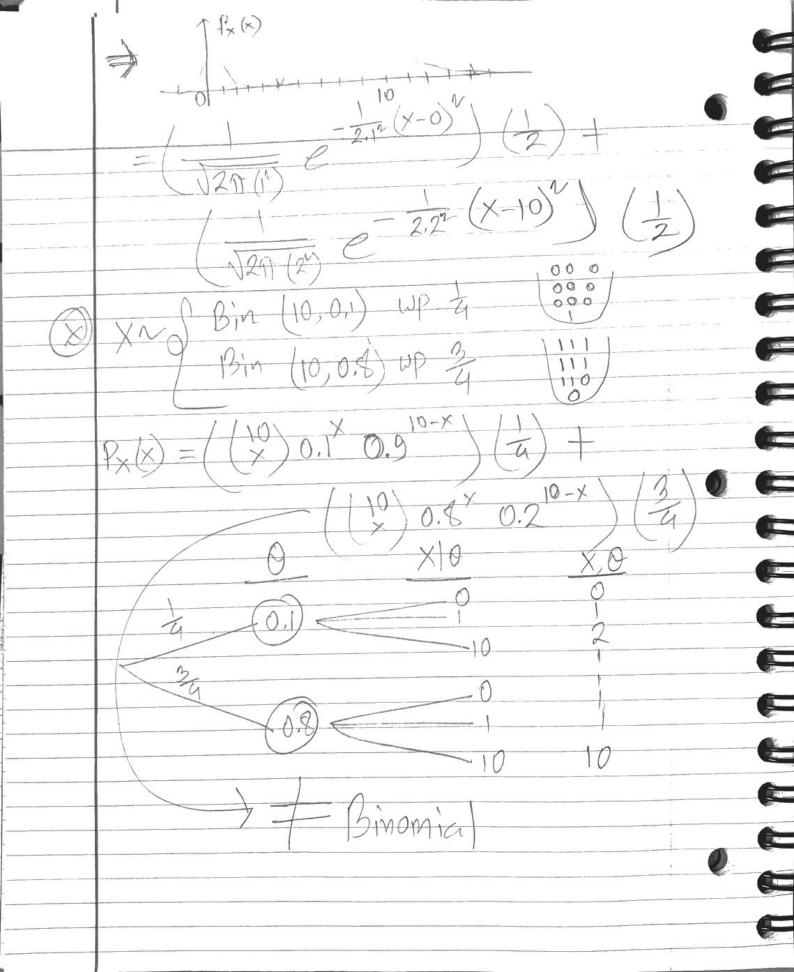
$$P(X | X) = S P(X | B) P(B|X) dB$$

$$= S (B^{X} (1-B)^{1-X} + B^{X} (1-B)^{1-X} + B^{X}$$

•

0

(X+X) [(X+X) [ (B+n-x) (X+B+n) T (X+P+n) B(Q+X) B+n-x) 0 0 0



0 Mixture dist's have a discrete I P 7 P of mponent. Compount Not. dist's 20 come TROM 0 0 0 0 -0 COMPONENT