to (VIVAL) Company A . P(A) = 0.9. P(B) = 0.2. Company B tale to trobbing of (P(S/A) = 0.95. Success of A P(S/B) = 0.9 Sucers of B Failure & A P (F/A) = 0.05

Failure of B P(F/B) = 0.1

Bayes Theorm.

$$P(A|F) = P(F|A) \cdot P(A)$$
 $P(F)$.

 $p(F) = p(F/A) \cdot p(A) + p(F/B) \cdot p(B)$ = (0.05 A 0.8) + (0.1×0.2) = 0.06. P(A/F) = (0.05 × 0.8)/0.06 = 0.6667- 2 66.67.