## PART A

P(m/T) = 0.2963

## PART C

$$P(low) = 6.3023 \times 0.8 + 0.7037 \times 0.1$$

$$= 6.2414 + 0.07037$$

$$= 0.31177$$

PARTA

Distribution table Variable A has 5 values

Bi... Bio have 7 each

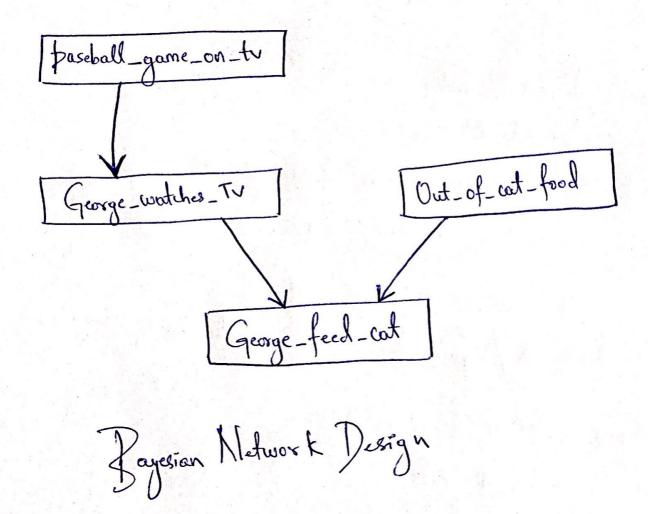
60, (7\*10\*5)+5 = 355 Values

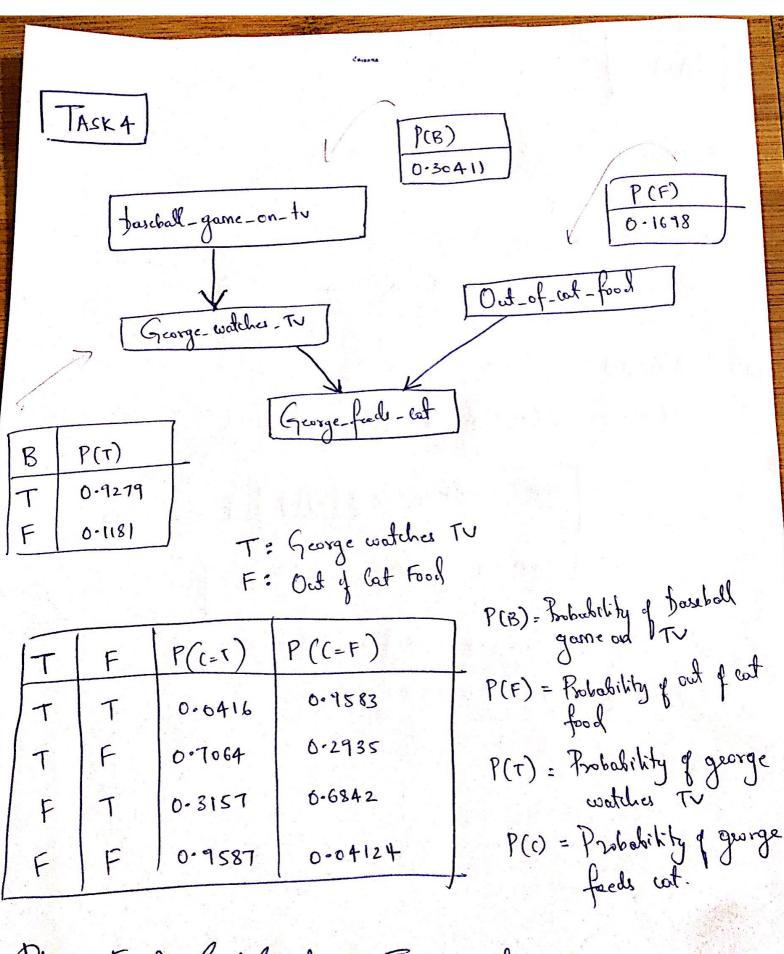
PART B

Reduced / Pare Efficient way would be

= (6 \* 10 \* 5) + (5-1)

= 304 Values





Please Find Excel Sheet => Tosk4. xlsx

$$P(A,F) = P(A,F,K) + P(A,F,TK)$$

$$\left[P(A) + P(F/A) * P(\frac{7K}{F})\right]$$

(C) 
$$P(m, not(c)/H)$$
  
=  $P(m, not(c), H)$   
 $P(H)$   
=  $P(m) * P(not(c)) * P(H)$   
 $P(H,m,c) + P(H,m,\tau c) + P(H,not(m),c) + P(H,not(m),not(c))$   
=  $O\cdot 1 * O\cdot 1 * O\cdot 1$   
 $(o\cdot 1 * O\cdot 1 * O\cdot 4) + (o\cdot 6 * O\cdot 6 * D\cdot 1) + (o\cdot 6 * O\cdot 9 * O\cdot 6) + (o\cdot 1 * O\cdot 1 * O\cdot 4)$ 

$$\frac{0.004}{0.004 \cdot 0.036 + 0.324 \cdot 0.036}$$
=  $0.004$ 

0-4