2) Action = 42^{1} . $\rightarrow P(B)$.

Comedy = 54^{1} . $\rightarrow P(D)$ Drama = 36^{1} . $\rightarrow P(D)$ Hoxsex = 12^{1} . $\rightarrow P(H)$ 2. Add. $T \in E \mid P \neq E \mid P(H) \mid P(A \mid P(A) \mid P(A \mid P(A) \mid P(A) \mid P(A) \mid P(A \mid P(A) \mid P(A) \mid P(A) \mid P(A) \mid P(A) \mid P(A) \mid P(A \mid P(A) \mid P(A)$

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P(B) = 1/2

P(B) x P(B) = 7/n

P(B|Black | A) = 5/8, P(B|Ack | B) = 7/n

P(B|Black | A) = 5/8, P(B|Ack | B) = 7/n

P(B) x P(B|Ack | B)

P(A) x P(B|Ack | B) + P(B) x P(B|Ack | B)

2 1/2 x 578) + (1/2 x 7/w) = 1/2 2 222

=> 7/20 x 3828

6) $z_2 \frac{x-\mu}{\sigma}$ $0.675 = \frac{x-350870}{12405}$ x = 359237.045

75th Percentile = 359237-045

(B)9 (- 3 RB)

(AUD) THE + PLOD PLANE)

674 m 22 m

4) a) to application in 1 minute

$$\lambda = \frac{466}{69} = 15/2$$

$$x = 0$$

$$P(x = x) = e^{-15/2} \cdot (5/2)^{10}$$

$$= 0.0858$$
b)
$$P(x = x) = e^{-\lambda} \cdot (x)^{17}$$

$$x = \frac{45/2}{120} = 45/12 = \frac{15}{4} = \frac{15}{4}$$

$$= e^{-17/4} \cdot (15/4)^{17} = 0.023 \times (5/4)^{17}$$

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P(E: n(E) = 2197 = 169/6800-