Friday, 30 October 2020

$$\frac{P_{r}(X(1)Y(2)Z(3) = 4)}{P_{r}(X(1)Y(2)Z(3) = 4)}$$

$$= P_{r}\left(P_{o}\left[X(1)Y(2)Z(3) = 4\right]\right)$$

$$= P_{r}\left(P_{o}\left[X(1)Y(2)Z(3) = 0\right]\right)$$

$$= P_{r}\left(P_{o}\left[X(1)Y(2)Z(3) = 0\right]\right)$$

$$= P_{r}\left(P_{o}\left[X(1)Y(2)Z(3) = 0X4\right]\right)$$

$$= P_{r}\left(P_{o}\left[X(1)Y(2)Z(3) = 0\right]\right)$$

$$= P_{r}\left(P_{o}\left[X(1)Y(2)Z(3) = 0\right]\right)$$

$$= P_{r}\left(P_{o}\left[X(1) = 0\right] - P_{o}\left[X(2) = 0\right] - P_{o}\left[Z(3) = 0\right]\right)$$

$$= \sum_{k=0}^{\infty} \left(\frac{1^{k} e^{1}}{k!}\right) \cdot \left(\frac{1^{k} e^{2}}{k!}\right) \cdot \frac{1^{k} e^{2}}{k!}$$