

IMM - DTU

02405 Probability

2004-23-3

BFN/bfn

Question a)

$$P(X \leq x)$$

IMM - DTU

02405 Probability

2004-23-3

BFN/bfn

Question a)

$$P(X \leq x) = \sum_{i=0}^x \binom{3}{i} \frac{1}{8}$$

IMM - DTU

02405 Probability  
2004-23-3  
BFN/bfn

Question a)

$$P(X \leq x) = \sum_{i=0}^x \binom{3}{i} \frac{1}{8}$$

Question b)

$$P(X \leq x)$$

IMM - DTU

02405 Probability  
2004-23-3  
BFN/bfn

Question a)

$$P(X \leq x) = \sum_{i=0}^x \binom{3}{i} \frac{1}{8}$$

Question b)

$$P(X \leq x) = 1 - P(X > x)$$

IMM - DTU

02405 Probability  
2004-23-3  
BFN/bfn

Question a)

$$P(X \leq x) = \sum_{i=0}^x \binom{3}{i} \frac{1}{8}$$

Question b)

$$P(X \leq x) = 1 - P(X > x) = 1 - P(X \geq x + 1)$$

IMM - DTU

02405 Probability  
2004-23-3  
BFN/bfn

Question a)

$$P(X \leq x) = \sum_{i=0}^x \binom{3}{i} \frac{1}{8}$$

Question b)

$$P(X \leq x) = 1 - P(X > x) = 1 - P(X \geq x + 1) = 1 - \frac{1}{2^x}$$