TEMAS

$$P(x>i+f|x>i) = \frac{P(x>i+f(x>i))}{P(x>i)}$$

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$$P(x>i) = \frac{P(x)}{P(x)} = \frac{P(x-i)}{P(x-i)}$$

$$P(x=1) = \frac{P(x=1)}{P(x-1)} + \frac{P(x=2)}{P(x-2)} + \dots + \frac{P(x=i)}{P(x-i)} = \frac{P(x-i)}{P(x-i)} = \frac{$$

$$P(x) = \frac{\lambda}{2} \cdot P(x)$$

$$P(x) = \frac{\lambda}{3} \cdot P(x)$$

$$P(x) = \frac{\lambda}{n} \cdot P(x-1) = P(x) - \frac{\lambda}{n}$$

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$$P(x) = \frac{\lambda}{n} \cdot P(x-1) = \frac{\lambda}{n} \cdot \frac{P(x-1)}{P(x-1)} = \frac{\lambda}{n} \cdot \frac{P(x-1)}{P(x-1)} = \frac{\lambda}{n} \cdot \frac{\lambda}{n} \cdot \frac{\lambda}{n} \cdot \frac{\lambda}{n} = \frac{\lambda}{n} \cdot \frac{\lambda}{n} \cdot \frac{\lambda}{n} \cdot \frac{\lambda}{n} = \frac{\lambda}{n} \cdot \frac{\lambda}{n} \cdot \frac{\lambda}{n} \cdot \frac{\lambda}{n} = \frac{\lambda}{n} \cdot \frac{\lambda}{n} \cdot \frac{\lambda}{n} = \frac{\lambda}{n} \cdot \frac{\lambda}{n} \cdot \frac{\lambda}{n} \cdot \frac{\lambda}{n} = \frac{\lambda}{n} \cdot \frac{\lambda}{n} \cdot \frac{\lambda}{n} \cdot \frac{\lambda}{n} \cdot \frac{\lambda}{n} = \frac{\lambda}{n} \cdot \frac{\lambda}{n} \cdot \frac{\lambda}{n} \cdot \frac{\lambda}{n} = \frac{\lambda}{n} \cdot \frac{\lambda}{n} \cdot \frac{\lambda}{n} \cdot \frac{\lambda}{n} = \frac{\lambda}{n} \cdot \frac{\lambda}{n} \cdot \frac{\lambda}{n} \cdot \frac{\lambda}{n} \cdot \frac{\lambda}{n} = \frac{\lambda}{n} \cdot \frac{\lambda}{n} \cdot \frac{\lambda}{n} \cdot \frac{\lambda}{n} \cdot \frac{\lambda}{n} = \frac{\lambda}{n} \cdot \frac$$

2) 6) continuère max (e-)? functia de mai sus este continua En [f., fi +1] ji cresca toare. max de intervalele este obtinuté pe intervalent (0,1) -> ) = 1 > =) max  $(e^{-\lambda} - \frac{\lambda^{[\lambda]}}{[\lambda]!}) = e^{-1} \frac{1!}{1!} = e^{-7}$ 3) G = (a - B)  $\frac{In(1+2+-+u)-1-1^2-2-2^2-...-(u)}{(u+1)(1+2)\frac{1}{2}}$  $-n-1-(n-1)^{2} = \frac{(a-B)(n^{2}(n+1)-(n-1)n(2n-1)}{2}$ (n +4) (n+2) =  $= (\alpha - \beta) \left[ \frac{n^2(n+1)}{2} - \frac{n(n-1)(2n-1+3)}{2} \right]$ (u+1)(u+2)-= u(n+1)23n-2n+21]- = - (a-6) (n+4)(n+2)-= = (& - &) - 1 (a + 1 (u + 2)
3 (a + 1 (u + 2) - = (a - 6) =

5) a) 
$$X_{1} = \begin{pmatrix} 0 & 1 & 2 \\ (1-p)^{2} & 2p+(1-p) & p^{2} \end{pmatrix}$$
 $X_{1} + X_{2} = \begin{pmatrix} 0 & 1 & 2 \\ (1-p)^{2} & 2p+(1-p) & p^{2} \end{pmatrix}$ 
 $S_{n} = X_{1} + X_{2} + \cdots + X_{n} = \begin{pmatrix} 0 & 1 \\ (n) & (n-p)^{n} & (n^{2} & (1-p)^{n-1} & (n-p)^{n} \end{pmatrix}$ 
 $= \begin{pmatrix} 0 & 1 & 1 & 1 & 1 \\ (n) & (n-p)^{n} & (n^{2} & (1-p)^{n-1} & (n-p)^{n} \end{pmatrix}$ 
 $= \begin{pmatrix} 0 & 1 & 1 & 1 & 1 \\ (n) & (n-p)^{n} & (n^{2} & (1-p)^{n-1} & (n-p)^{n} \end{pmatrix}$ 
 $= \begin{pmatrix} 0 & 1 & 1 & 1 & 1 \\ (n) & (n-p)^{n} & (n^{2} & (n-p)^{n} \end{pmatrix}$ 
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 $= \begin{pmatrix} 0 & 1 & 1 & 1 \\ (n) & (n-p)^{n} & (n-p)^{n} \end{pmatrix}$ 
 $= \begin{pmatrix} 0 & 1 & 1 & 1 \\ (n) & (n-p)^{n} & (n-p)^{n} \end{pmatrix}$ 
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 $= \begin{pmatrix} 0 & 1 & 1 & 1 \\ (n) & (n-p)^{n} & (n-p)^{n} & (n-p)^{n} \end{pmatrix}$ 
 $= \begin{pmatrix} 0 & 1 & 1 & 1 \\ (n) & (n-p)^{n} & (n-p)^{n} & (n-p)^{n} & (n-p)^{n} \end{pmatrix}$ 
 $= \begin{pmatrix} 0 & 1 & 1 & 1 \\ (n) & (n-p)^{n} & ($