```
Tuesday, March 16, 2021
         TO 2021 = password; 

X - cry voig att

wattoch requirement
                                                         X>0
   · Dairypana ocoha cay le cue bysi yurerun,)

// +lanun

ppahnyusu

og
   (1) Og Sugayyka rijat.
             d; \qquad X \leq d \qquad = (X - d)_{+}
            Pacinogena c. i. Y?
Y=0; P_{Y}(0) = P\{Y=0\} = P\{X \leq d\} = F_{X}(d)
y>0: f_{Y}(y) = P \{ Y \leq y \} = P \{ X-d \leq y \} = P \{ X \leq y+d \}
nometrien: +\infty = F_{X}(y+d)
E(Y^{k}) = E((X-d)^{k}) = \int_{C} (x-d)^{k} f_{X}(x) dx \}
                                         = \sum_{x>a} (6c-d) \cdot p_{x}(x) 
                    Y = g(X), E(Y) = \int g(x) \cdot f_X(x) dx
     Z - MSHOC ogyjueture no ogyjueuton zaxively;
             Z = Y Y>0
   E(7^{k}) = E(Y^{k}|Y>0) = E((X-d)_{+}^{k}|X>d)
= E[(x-d)_{+}^{k}] = \int_{(x-d)^{k}} f_{X}(x)dx
= P(x>d)
= \sum_{x>a} (x-d)^{x} f_{X}(x)
= \frac{\sum_{x>a} (x-d)^{x} f_{X}(x)}{1-f_{X}(d)}
              7 = Y \ X>d
                               ocurypatea (Policy limits)
           OTPAHMMabatee
         f_r(y) = P \xi Y \leq y \mathcal{J} = P \xi \min \{x, u \mathcal{J} \leq y \mathcal{J}\}
                                      = \mathcal{P} \{ X \leq y \} = \mathcal{F}_{X}(y)
      10 y = "
```

20 y>u:

= P { min { V, m } = y } = P { X>y } = P { x /y }

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SX-1300 c ogy viewe
V=X-ucutaura nomanye
     Hogi ce grativisa og dy gjetu val d.
    Korula je gygiyega komuarieje.
      091060p: S= min {X, d} = (X 1 d)
    Ovekubara Greguo un junigege: E(s) = E(XXd)
    9 \pm 1 - payus ernene Arcanex tyrninata

E(X \times d)
E(X)
    MPUNEP. X - inforgkobu respury hella code 3 a occurrence
           Ybogu ce ogszazyka njat y uznocy 250.
              X: \mathcal{E}(\lambda); \mathcal{E}(X) = 1000; \mathcal{P}\mathcal{E}\Gamma = ?
       E(X) = \frac{1}{2} = \sum_{x = 0,000} \frac{1}{250}
F_{x}(x) = 1 - e^{-\lambda x}
          P = \frac{1000 \cdot (1 - e^{-0.25})}{1000 \cdot (1 - e^{-0.25})} = \frac{1000 \cdot (1 - e^{-0.25})}{1000 \cdot (1 - e^{-0.25})} = \frac{1 - 0.7777}{1000}
                                                                                                              ≈ 22,2 /o
 4. Ko-ocu typoberytu fakutop
                        2, 0221
                           X - Y= L, X - 11740C recuralette représente
                                                  Z=Y=XX __ 1340c ucunapologo opré en a carone
        F_{r}(y) = F_{x}(\frac{y}{2})\cdot\frac{1}{2}; \quad E(r) = E(\chi x) = \lambda \cdot E(x)
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Tuesday, March 16, 2021 6:42 PM

Og Say uzgtan ig at, Difa Hurabaydin report in kooc retypelo yethe fallenge

d  $C = Y = X \circ ((X \times u) - (X \times d))$  is  $d \ge u$ d < X < u:  $l = d \cdot (X - d)$  V  $d = d \cdot (X - d)$  $\chi_{>u}$ :  $\ell = \alpha (u - d)$ d = d. (4-d) TPUMEP. (Og Snyagyku vpat 250

5 Oipu Hurabayyku vpat 5000

Ko-ocu iyperbæggku þacurp 0/8 1) Y = O recubara ogninema? t(Y) = t(x((Xxu) - (Xxd))) $\gamma = 0,001$ = d.(E(X15000) - E(X1250))  $-\frac{1}{\lambda} \cdot \left( \frac{e}{e} \right) / \frac{250}{0}$  $=0.8\cdot\left(-\frac{1}{\lambda}\cdot e^{-\lambda x}/5000\left(-\frac{1}{2}\cdot 250\right)\right)$  $=0.8.\frac{1}{7}.(e^{-250})$  $= 800. \qquad \left(\begin{array}{c} 0 - 0.25 \\ 0 - e \end{array}\right) = 617.65$   $= (7) = \frac{E(8)}{1 - F_{\times}(d)} = \frac{617.65}{e^{-0.25}} = 793,08$ 

$$Y = 0_{1} 2 \cdot \left[ (1.35 \times 1.5000) - (1.05 \times 1.250) \right]$$

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