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1-) a-1 $\frac{3}{4}(xy) = \frac{1}{1} \log y$ 0cxc3 ve 1cyc4

1-) a-1 $\frac{3}{4}(xy) = \frac{1}{1} \log y$ 1-> a-1 $\frac{3}{4}(xy) = \frac{1}{2} \log y$ 1-> a-1 $\frac{1}{2} \log y$ 1-> a-1 $\frac{1}{2} \log y$ 1-> a-1 $\frac{1}{2} \log x$ 1->

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1-) d-)
$$V(x) = E(x^{3}) - E(x)^{2}$$
 $E(x) = \int_{0}^{3} x d(x) dx = \int_{0}^{2} x \frac{x}{3} dx = \frac{x^{3}}{27} \int_{0}^{3} = 1$
 $E(x^{2}) = \int_{0}^{3} \frac{x^{2}x}{36} dx = \frac{x^{4}}{36} \int_{1}^{2} = \frac{81}{36}$
 $V(x) = \frac{81}{36} - 1^{2} = \frac{45}{36}$
 $C - \int_{0}^{2} P(1 < x < 1 < 2 < y < 3)$
 $P(x/y) = \int_{1}^{2} \frac{4xy^{2}}{36} dx = \frac{1}{36} dx = \frac{1}$

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2-)
$$P(x) = k3^{x}$$
 $x = 2,3,4$

$$\alpha - 1$$
 $= \frac{4}{2} k_3^{\times} = 1 = 1 k (3^2 + 3^2 + 3^4) = 1$ $117k = 1 k = \frac{1}{117}$

b-)
$$E(e^{+x}) = M_{x}(+) = \sum_{x=2}^{4} \frac{e^{+x}3^{x}}{117} = \frac{e^{2+}3^{2}}{117} + \frac{e^{3+}3^{3}}{117} + \frac{e^{4+}3^{4}}{117}$$

$$= 9e^{2+} + 27e^{3+} + 81e^{4+} = \frac{117}{117} (e^{2+} + e^{3+} + e^{4+})$$

3-)
$$P_1 = 0.17$$
 $P_2 = 0.07$

$$P(\underbrace{0.17(0.83)}_{100}) > 172 P(\underbrace{0.07(0.93)}_{100}) < 157$$
Ortalana $\hat{P}_1 = 6.46$
Ortalana $\hat{P}_2 = 4.00$

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4-) Datikada ortalana 12 = 6 araq geanettedir. += 1,2

 $P(x) = 1, 2^{x} e^{-1,2}$ $f(t) = 1.2e^{-1.2t}$ $f(t) = 1.2e^{-1.2t}$