D.1

min Pe = 1/(1-d(Pn/qn) = 0 - lin d (Pn/qn) = lin supprit)-QnE)

JE = PrCE)=1, Qn(E)=0

6)

The solution of the service of the s

In the name of god

 $F(x) = \sup_{\theta > 0} (\theta x - x_{\theta}(\theta)) - \gamma_{\alpha}(\theta)) \Rightarrow F(x) = \gamma_{\alpha} x - \gamma_{\beta}(-\frac{1}{\epsilon}) - \gamma_{\alpha}(\frac{1}{\epsilon})$ $= \sum_{\theta > 0} x_{\theta}(-\frac{1}{\epsilon}) - \gamma_{\alpha}(\frac{1}{\epsilon}) = \gamma_{\beta} x - \gamma_{\beta}(-\frac{1}{\epsilon}) - \gamma_{\alpha}(\frac{1}{\epsilon})$ $\Rightarrow F(x) \Rightarrow x_{\beta} x_{\beta} + \alpha \Rightarrow e^{-\frac{1}{\epsilon}} F(x) = \sum_{\theta > 0} x_{\beta}(x_{\beta} + \alpha)$ $\Rightarrow P(x) \Rightarrow x_{\beta} x_{\beta} + \alpha \Rightarrow e^{-\frac{1}{\epsilon}} F(x) = \sum_{\theta > 0} x_{\beta}(x_{\beta} + \alpha)$ $\Rightarrow P(x) \Rightarrow x_{\beta} x_{\beta} + \alpha \Rightarrow e^{-\frac{1}{\epsilon}} F(x) \Rightarrow e^{-\frac{1}{\epsilon}}$

In the name of god

$$\Rightarrow f_{k}(x) = \left(\begin{array}{c} \lambda_{N} + N-1 - yN & -y(x-t) \\ \frac{(N-1)!}{1 - yN} \end{array} \right) = \frac{(N-1)!}{1 - yN} \Rightarrow f_{k}(x) + f_{k}(x) + f_{k}(x)$$

$$\rightarrow f_{\mu}(x) = \int_{N}^{\infty} \frac{(\nu-i)i}{\lambda_{\mu} + (\nu-i) - \lambda_{\mu}} \int_{-\lambda}^{\infty} (x-t) dt = \frac{\nu i}{\lambda_{\nu} + (x-\lambda)} \int_{-\lambda}^{\infty} \frac{1}{\lambda_{\nu} + (x-\lambda)} dt$$

$$\frac{3n(4)}{3t} = -n\frac{3}{3}(1-t) \frac{1}{6} \frac{-n^{-1}}{11-t} = -n\frac{3}{3} \frac{1}{3}$$

c)
$$P(\overline{2}x; \langle m \xi) \langle e^{nt\xi} E(e^{n\xi x_i})$$

 $M(t) \langle e^{-nsup(-t\xi+leg(1+t))} \rightarrow sup(N(t) \rightarrow t^d = \frac{1}{2} - 1)$
 $\rightarrow P(\overline{2}x; \langle m \xi) \langle e^{n(3-1-leg \xi)} \rangle$

$$\frac{1}{2} \left(p(\hat{H}=1) + Q(\hat{H}=0) \right) = 1/2 \left(\sum_{i=1}^{n} \sum_{i=1}^{n} \sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{j=1}^{n} \sum_{j=1}^{n} \sum_{i=1}^{n} \sum_{j=1}^{n} \sum_{j=1}$$

$$F(b(y=1)+a(y=0)) < U \leq min(bix) d(x) < U \leq bix d(x) - 3$$

$$= (\leq U \times y) d(x) - 3) < inf (\leq \frac{1}{2} d(x) + 3) < U \leq bix d(x) - 3$$

$$= (\leq U \times y) d(x) - 3) < inf (\leq \frac{1}{2} d(x) + 3) < (1-x))$$

7 max 1 - 100 Eal PLAI 17 /

$$-3(x)=x, \qquad = \left\{ \frac{d(x_i)}{d(x_i)} \right\} d(x_i) dx_i$$

31-61x4x

-- - - b(x'-x') b(x'-x) < 1-(b(x'-x')+b(x'-x')) ->1-b(x'=k') b(x'=k') x1-b(x'= K')+1-b(x'=k) 20(x'+1)+ b(x++1) - qu(+4,115) 910(x4x)+6(x4x) スタントいいけないかんかしん) colub AU Baghari

1)

in D(XIX)

原文 7 m/n.

Part Ton

 $\mathcal{E}_{i,j}$ $\mathcal{E$

 \mathbb{E}_{u}^{2} of: $\int_{u} min \left\{ u^{2} b(x) \cdot u^{2} d(x) \right\} dx = \int_{u} min \left\{ u^{2} b(x) \cdot u^{2} d(x) \right\} dx$ U. Berix Widen

+ | min $f = \int u \cdot b(x) \cdot u \cdot dx = \int u \cdot b(x) dx + \int u \cdot dx = b^{4}$ widas webex

→ T= n/n。

Inthename of god

P7 (from text book Lother Stanford Rectarentes)

(9=12/91-2=1/phs=hismin) 110 juli jumin/ chim

$$T = -N\theta \rightarrow NP = \pi N_0 = P(\overline{Z}T_k)N\theta) < Y - NP_0 = 0$$

$$T_{011} = Q(\overline{Z}T_k)N\theta) < Y - NP_0 = 0$$

$$Q(\overline{Z}T_k)N\theta) < Y - NP_0 = 0$$

$$Q(\overline{Z}T_k)N\theta) < Y - NP_0 = 0$$

$$Q(\overline{Z}T_k)N\theta) < Y - NP_0 = 0$$

$$\frac{C1}{-3} \phi_{Q}(\lambda) = k_{3} E_{Q}(e^{\lambda T}) = k_{3} E_{Q}(e^{\lambda T}) = k_{3} E_{Q}(e^{\lambda T}) = \varphi_{p}(\lambda + 1)$$

$$-3 e_{Q}(0) = s_{4} p(6 \lambda) - 4 e^{(\lambda + 1)} - 4 e^{(\lambda + 1)} - 6$$

TILO + Y TO 11 NP (Z Tx 71+109Y) -7= - 110+ 4-NBU 11 11 D(] IK 1/10) 01 110 = 4-NE0 , 11 = 4-NE0 + 2-NE , 1 KN PP + OCAI) → min(Eo, E, 10) < \$\print(\text{P}(0)) → Eo < \$\print(\text{P}(0)) \text{L} \text{E} < \$\print(\text{P}(0)) \text{E} < \$\print(\text{P مع مناوی معدد داند این سیال و این میر سی م و به برعای بیست کا می برعای استال و این میر سیال می این میراند این Pe (N) = min { n n | + n n | = max n e + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | + n e | TE = lin 1 by En = E = max min(E(O), E(O)) = Pp(c) $\min\{E(\Theta),E(\Theta)\}$ $\left\{E(\Theta),E(\Theta)\right\}$ $\left\{E(\Theta),E(\Theta)\right\}$ -> >= = 4pk(0) E = max | φ (0)-0 | = mux sup(1-1)0-p(A) = strin =

= 40° col => h= hips