$$T[t] = rT - [r-1]T_{i}, \quad [pert (M)]$$

$$Kesult: no \quad difference, \quad -J[t] = -rT + rT_{i}, \quad -T_{i}, \quad (= \frac{\sum_{j=1}^{n} (\sum_{j=1}^{n} - rT + rT_{i}, -T_{i}, \sum_{j=1}^{n} (\sum_{j=1}^{n} - rT + rT_{i}, -T_{i}, \sum_{j=1}^{n} (\sum_{j=1}^{n} (\sum_{j=1}^{n} (\sum_{j=1}^{n} - rT + rT_{i}))^{2} - rT_{i}, \quad (= \frac{\sum_{j=1}^{n} (\sum_{j=1}^{n} (\sum_{j=1}^{n} (\sum_{j=1}^{n} - rT_{i}))^{2} - rT_{i}, \quad (= \frac{\sum_{j=1}^{n} (\sum_{j=1}^{n} (\sum_{j=1}^{n} - rT_{i}) - rT_{i}, \quad (= \frac{\sum_{j=1}^{n} (\sum_{j=1}^{n} rT_{i}) - rT_{i}, \quad (= \frac{\sum_{j=1}^{n} rT_{i}}{rT_{i}} + rT_{i}, \quad (= \frac{\sum_{j=1$$

VII) = 5 - (T + - 5 (T)) = E = (T + - T)2

+ (r - 1)

n (n - 1)

 $\frac{1}{2} \frac{n-1}{n} = \frac{n}{2} \left( T_{i,j} - T_{i,j} \right)^2 \leq \frac{\sum_{j=1}^{n} \left( T_{j}^* - T_{j} \right)^2}{n \ln n}$ 

can also try alternate forms of (151);

 $J(T) = T + (r-1)(T-T_0)$  or  $J(T) = \frac{1}{2} = T_0^* = T^*$ 

stanting

from part (a)