problem 3

a)
$$T(n) = \sum_{i=2}^{n-1} \Theta(i) = O(n)$$

6) becometable garles =>
$$7(h) = \sum_{i=0}^{n} \sum_{k=0}^{k-1} \Theta(i)$$

= $\sum_{i=0}^{n} \sum_{k=0}^{i=-1} \Theta(i)$
= $\sum_{i=0}^{n-1} H(n^2)$

c)
$$Tan = \sum_{i=1}^{n} \sum_{k=1}^{n} \frac{1}{\beta_{k}} \theta(i) = O(n^{3})$$

c)
$$T(n) = \sum_{i=1}^{n} \sum_{k=1}^{n} \frac{E^{i}}{E^{i}} \Theta(i) = O(n^{3})$$

d) $T(n) = \sum_{i=0}^{n} \sum_{k=1}^{n} \frac{E^{i}}{E^{i}} \Theta(i) = \sum_{i=0}^{n} \sum_{k=0}^{n} \frac{E^{i}}{E^{i}} \Theta(i)$