## Problem set 3 "

= 
$$4 \left[ 2 + (n/8) + 3c \right] + 3c$$

$$\int_{0}^{\infty} \frac{n}{2x} = 1$$

$$\frac{n}{2^k} = 1 \quad \therefore n = 2^k \Rightarrow k = \log n$$

= 
$$n + (n-1)e$$