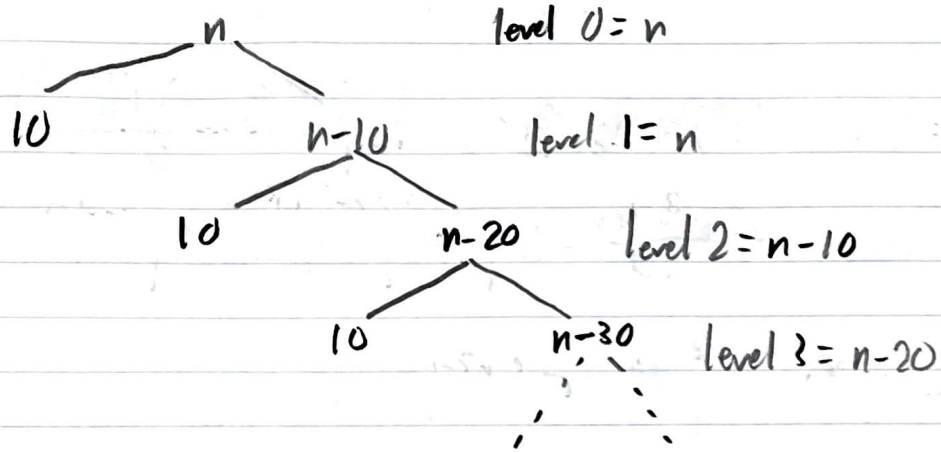
2.)

I will solve my recurrence relation from part 1 by using the tree method.

Our tree:



Work done per level:

Let $\Theta(i)$ = some const $c_1, \ldots, c_n$

$c_1 + (n-10i)$

I will now find k where it represents the amount of times it will take us until we reach the base case:

$$n - 10k \leq 10$$
$$n - 10 \leq 10k$$

$$k \geq \frac{n-10}{10}$$