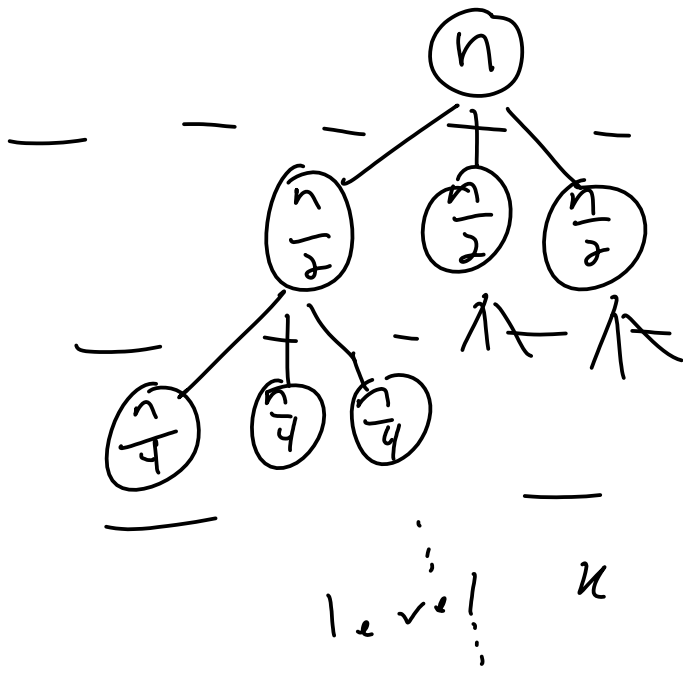


Total work per level



$$3 \cdot \frac{n}{2} = \frac{3}{2}n$$

$$9 \cdot \frac{n}{4} = \left(\frac{3}{2}\right)^2 n$$

$$3^k \cdot \frac{n}{2^k} = \left(\frac{3}{2}\right)^k n$$