

$$n(t) = 4$$

$$t \text{ is a } \rightarrow \text{floor} \left(\frac{4+1}{2} \right) = 2 = \text{leaves}(t)$$

∴

t is a tree? No!

instead

$$\text{out vision} \rightarrow \frac{4+1}{2} = 2.5 \geq \text{leaves}(t)$$

True

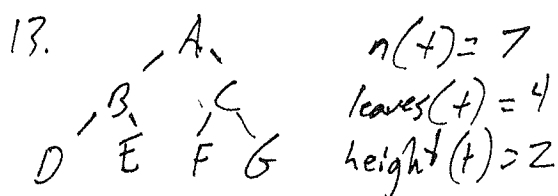
$$\frac{n(t)+1}{2.0} \leq 2^{\text{height}(t)}$$

$$\text{height}(t) = 2$$

$$\frac{4+1}{2.0} \leq 2^2$$

$$2.5 \leq 4$$

True



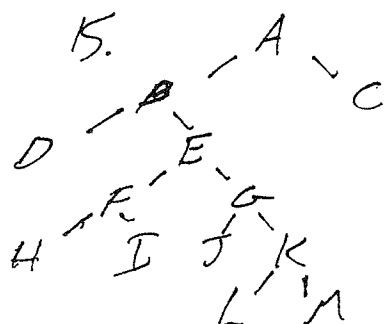
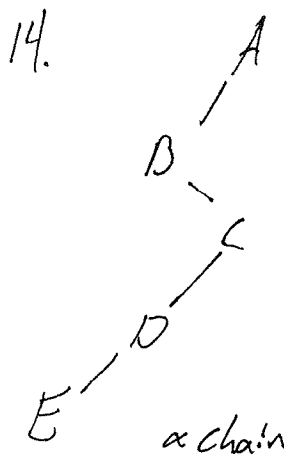
$$n(t) = 7$$

$$\text{leaves}(t) = 4$$

$$\text{height}(t) = 2$$

$$1, 3) \quad \frac{7+1}{2} = \text{True}$$

$$2, 4) \quad \frac{7+1}{2} = 4 = 2^2 = \text{True}$$



$$2 + 4 + 4 + 4 + 5 + 5 + 1 = 25$$