

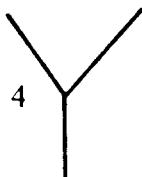
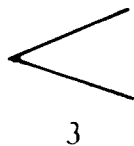
Radius  $r$

Nodes within  $r$  of origin

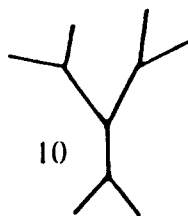
Full binary tree

Tree homogeneous  
of degree 3

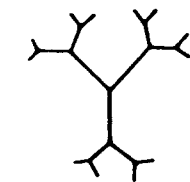
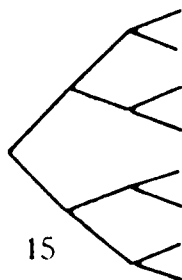
1



2



3



$r$

$$2^{r+1} - 1$$

$$3 \cdot 2^r - 2$$