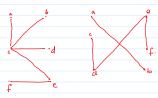
- 1- Connected
- 2- Undirected
- 3- No Simple Circuit



Posted tree: Pavut:-Child: Aucestors: Descendenti: Sibling: leef; b nterna Vertex:

m-axy tree.



H=4.

Full m-ary tree.



Height of a tree.



Bolanced tree: All of Voitius are at land h or his his bright of tree.



thoren2 PB50. It tree with a Vertices has not edges.

theorem 3: A full many tree with i internal Verteus has P630 no mi+1 Verteus.



n= 5x3+1 = 16.

Applications of trees.

2- Bruny Search tree.

[ mathematics, physics, geography, 20010gy, meteorology, geology, psychology, chumstry]. 1+2+3+4+···+8=. 36 2 45.



1+2+2+3+3+3+3+4





 $\frac{1+2+2+3+3+3+3+4}{8} = \frac{21}{8} = 2 \cdot 625.$ 

## 2 - Hullman Coding.

