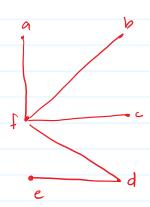
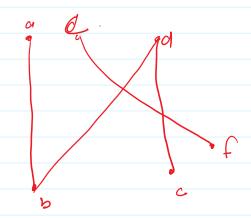
Lec # 27.

Tyees.

- 1- Undirected.
- 2. Connected.
- 3. No Simple Creant.

Bx1 :624





Rooted Tree: A tree in which one Vertix is designated.
as the root & every edge is directed away from it.



Pasent: UB The ported of V.

The edge Steats from UE ends at V.

Child: UB The Child of V.

The edge Steats with VE end at V.

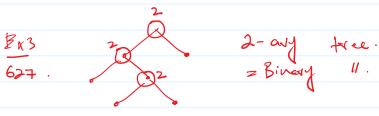
Sibling: Vertices having Common parent.

Aucestori-

Descendants:

dest: No child.

Internal Vertex: - there dilds.



m-ay: if every butter has no more than m Children

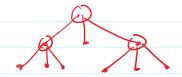


A tree with a vertices has not edges. theorem 2:-630



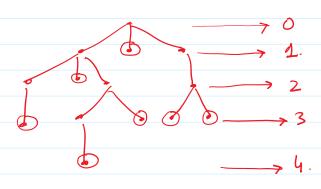
Every Internal Vertex has me thilds. Full m-any tree =

A full m-any tree with i Internal Vortices. Contain no mi+1.



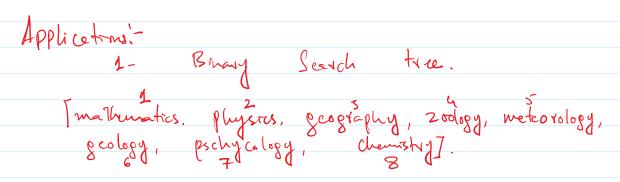
N2 3x3+12 lo.

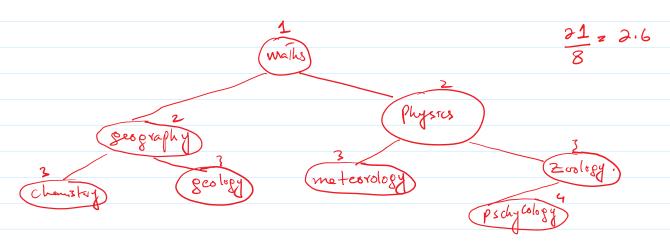
Herent of a tree:

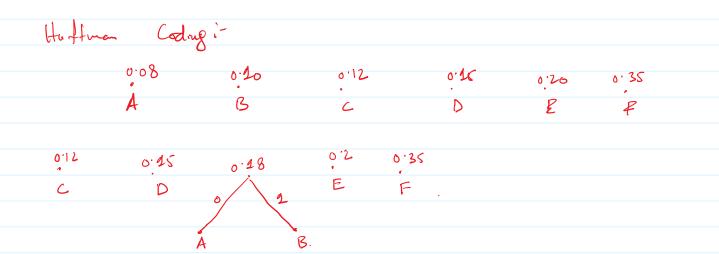


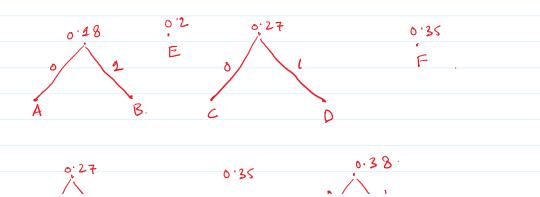
Heightz 4.

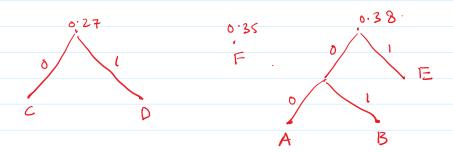
Balanced tree. = V.

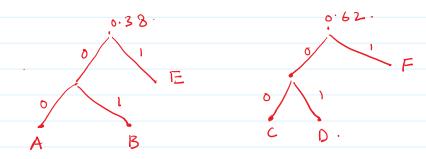


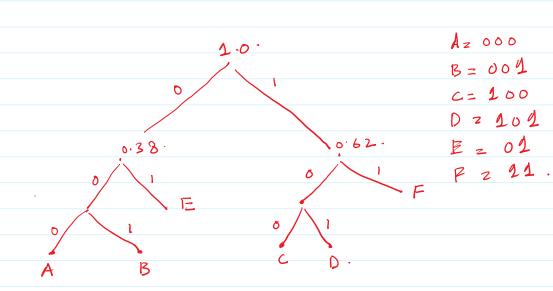












 $\frac{16}{6} = 2.66$