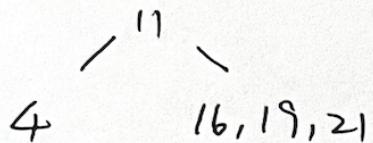


Deg^{re}₄ key: 4-1 T4/27-1 → 1~3 keys.

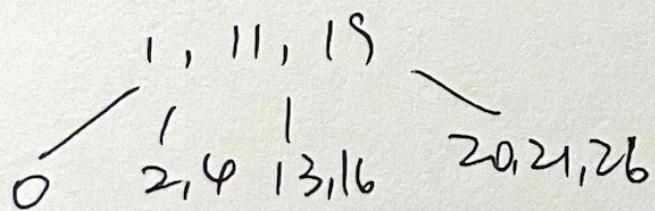
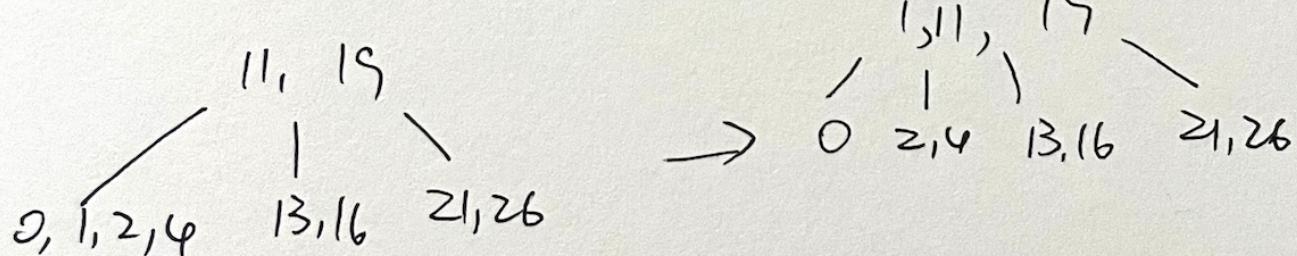
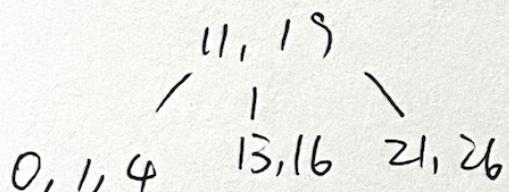
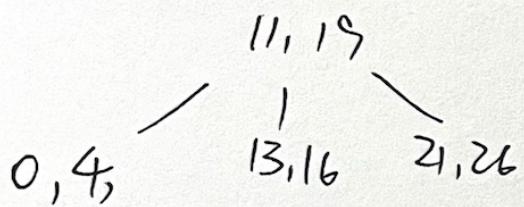
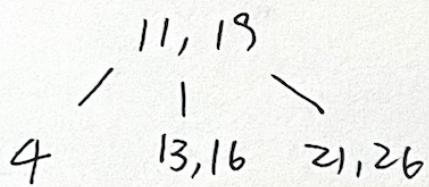
4, 11, 19

B-tree of degree 4

4, 11, 16, 19 → 4 — " — 16, 19



4 — " — 16, 19, 21, 26 → 4 — " — 11, 19 — 16 — 21, 26



T5/27-1 ~ 5-1

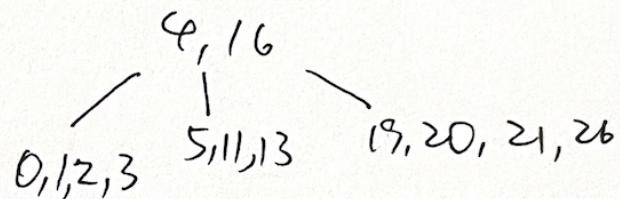
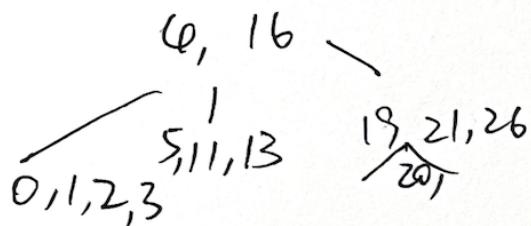
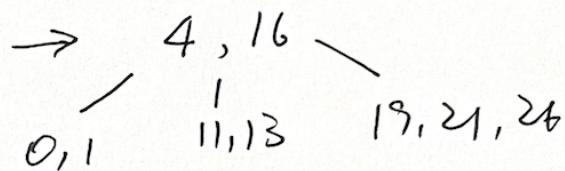
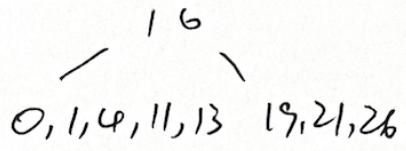
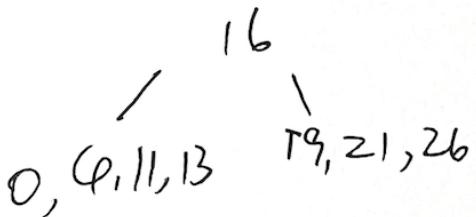
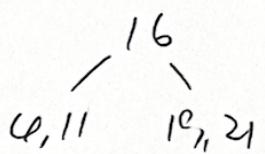
B-tree of degree 5

3-1=2

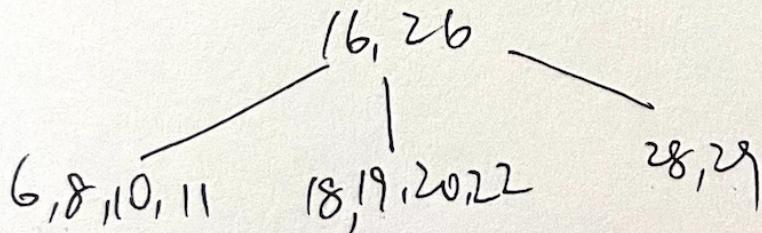
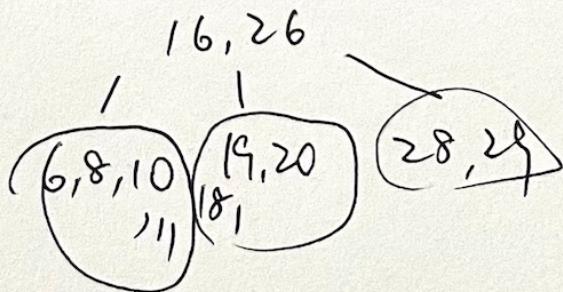
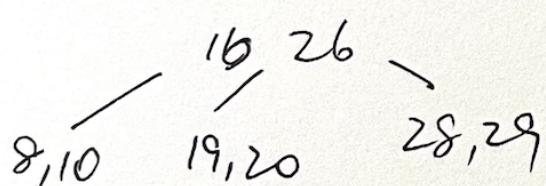
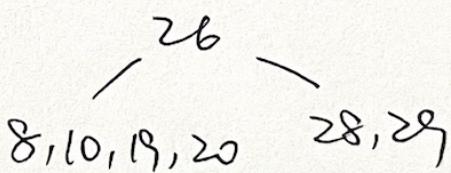
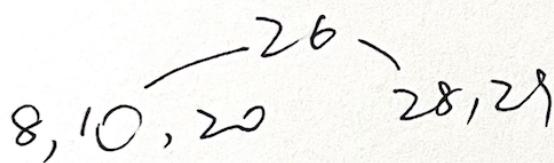
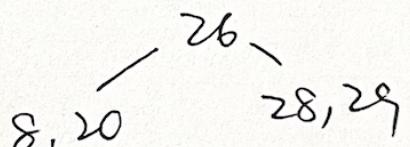
4

~~4, 11, 16, 19, 21~~

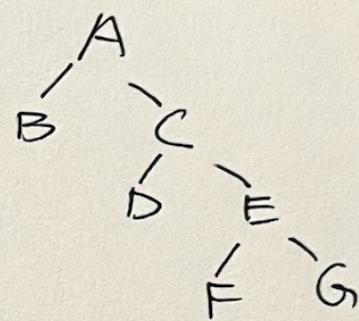
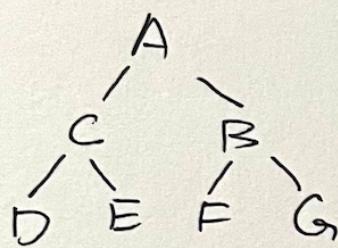
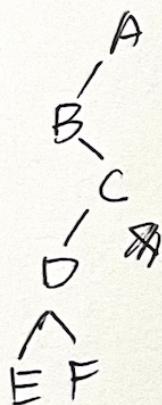
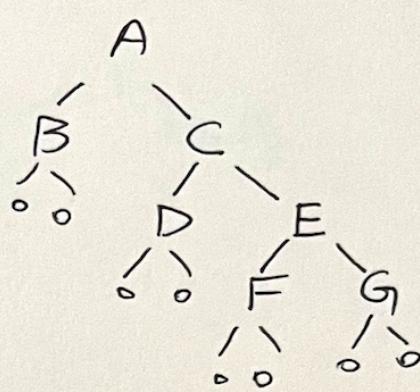
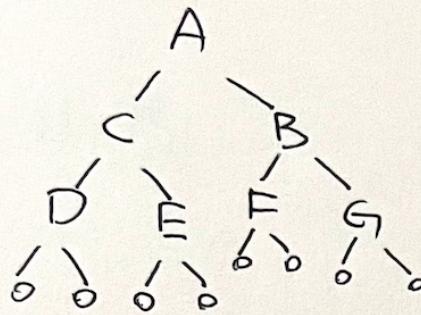
4, 11, 16, 19, 21 →



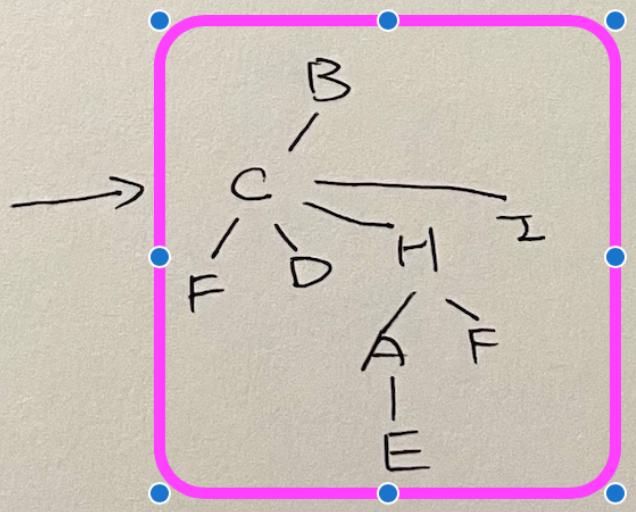
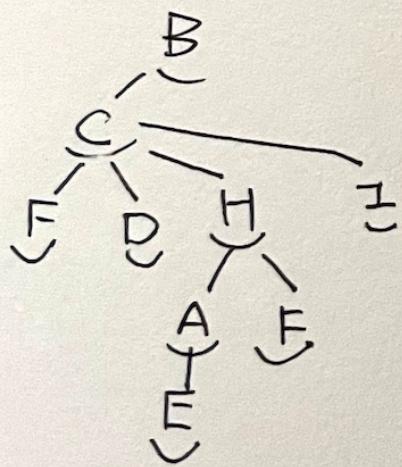
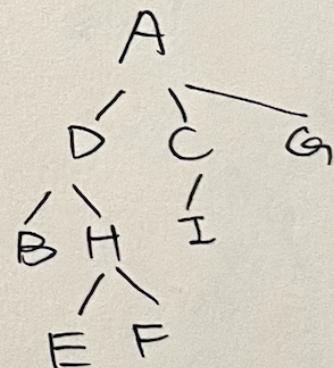
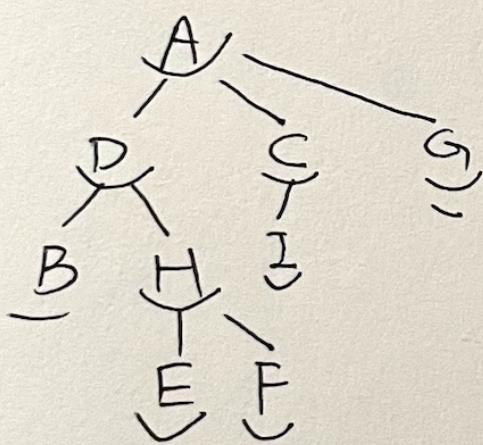
8, 20, 26 28, 29 →



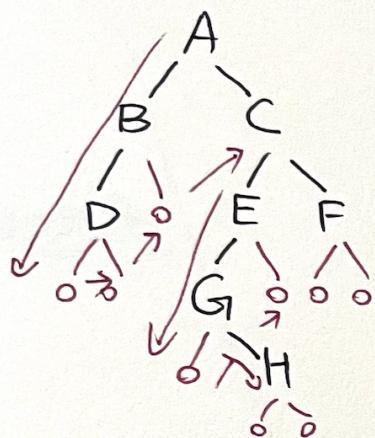
Construct tree from serialization



~~DHT/A~~

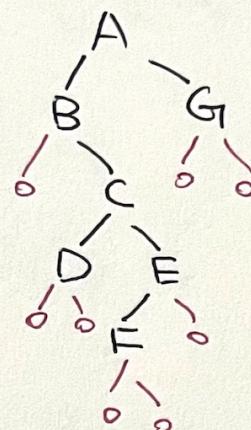


Serialization of these binary Tree

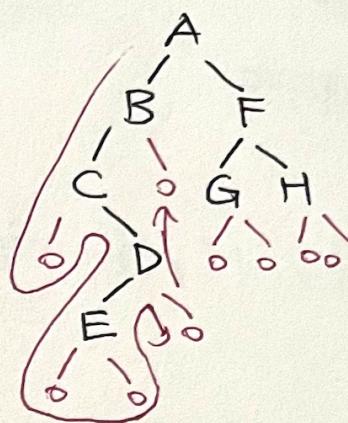


~~ABD//|CEG//H//|~~

ABD//|CEG//H//|F//|



AB/CD//EF//|G//|



ABC/DE//|FG//|H//|

Postorder

D FE CBGA

EDCB GHFA

~~DBA~~

DB HGE FCA

~~B~~

Inorder

~~① ABD CEF GH~~

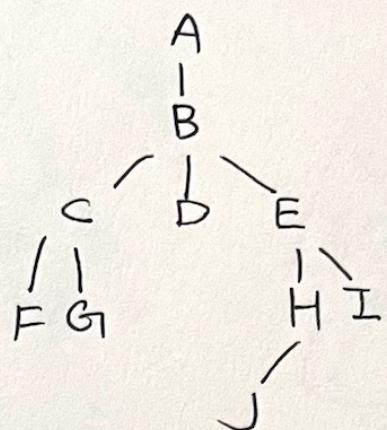
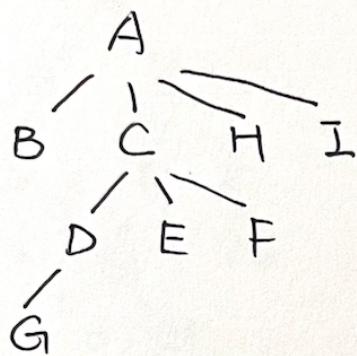
~~② DBA CG~~

① DBAGHECF

② BDCFEAG

③ CEDBAGFH

Serialization of These : (n-ary tree).

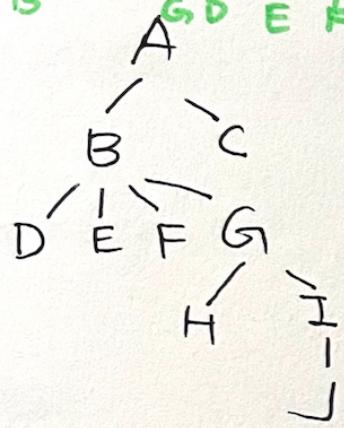


A B) C DG)) E) F)) H) I))

B G D E F C H I A

ABC F) G)) D) E H J)) I)))

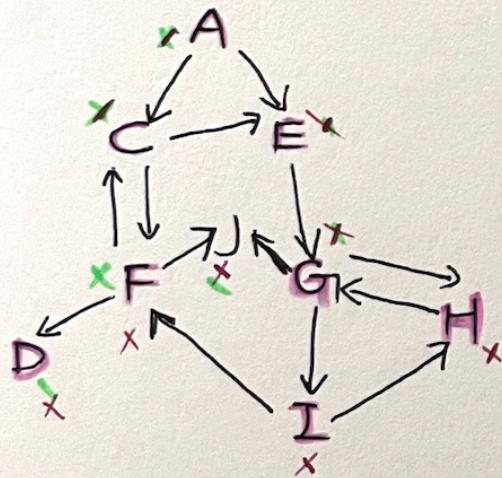
F G D J H I E B A



A B D) E) F) G H) I J))) C))

D E F H J I G B C A

Run BFS and DFS:



BFS: ACEFPGDJ

BFS: A

ACE

ACEF

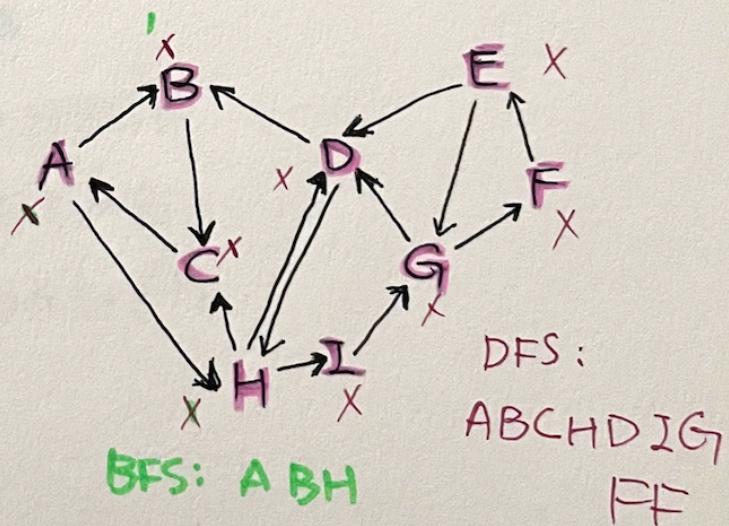
ACEFG

ACEFG DJ

ACEF GDJHI

DFS:

ACEGHIFJD



BFS: A BH

ABHC

ABHCDI

ABHCDIG

ABHCDIGF

ABHCDIGFE

DFS: ABCHDIGH
FE