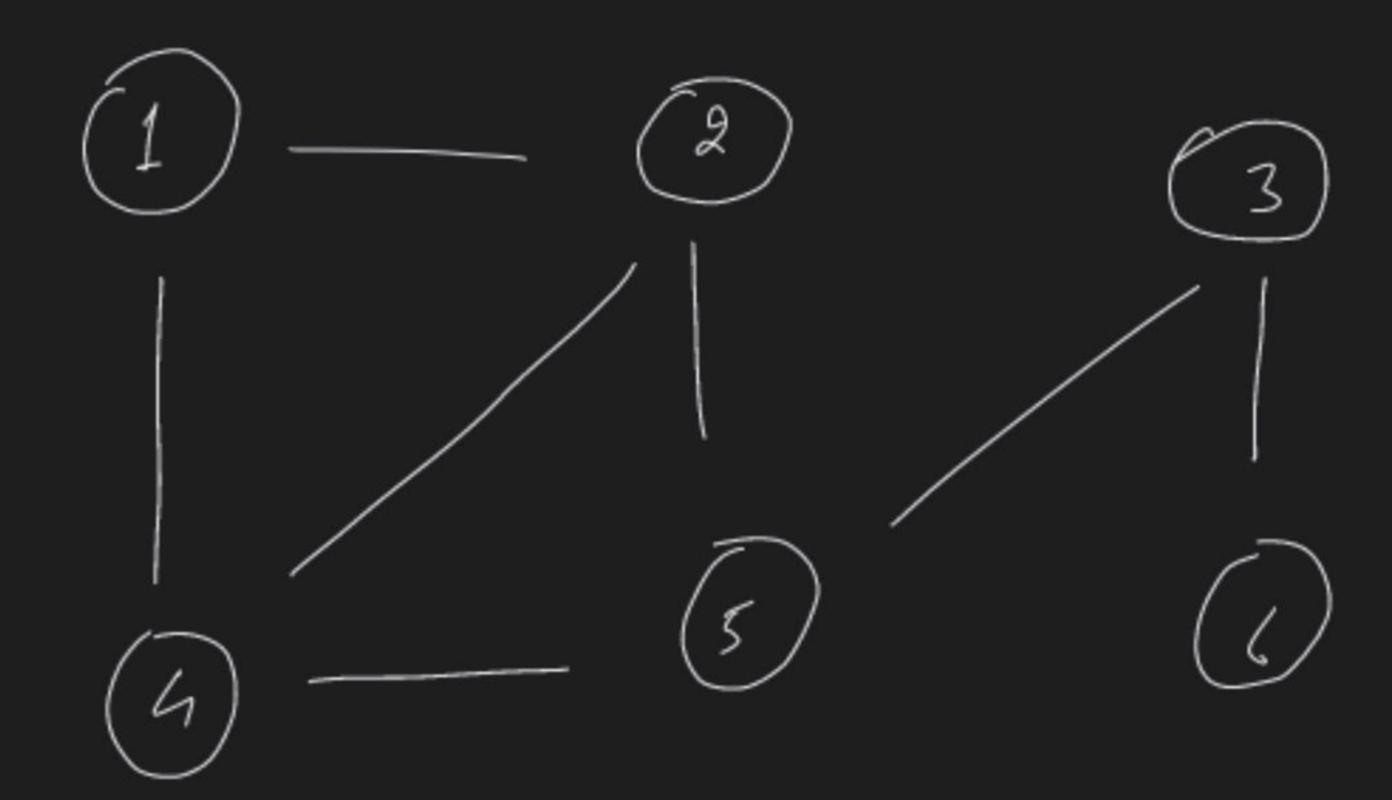
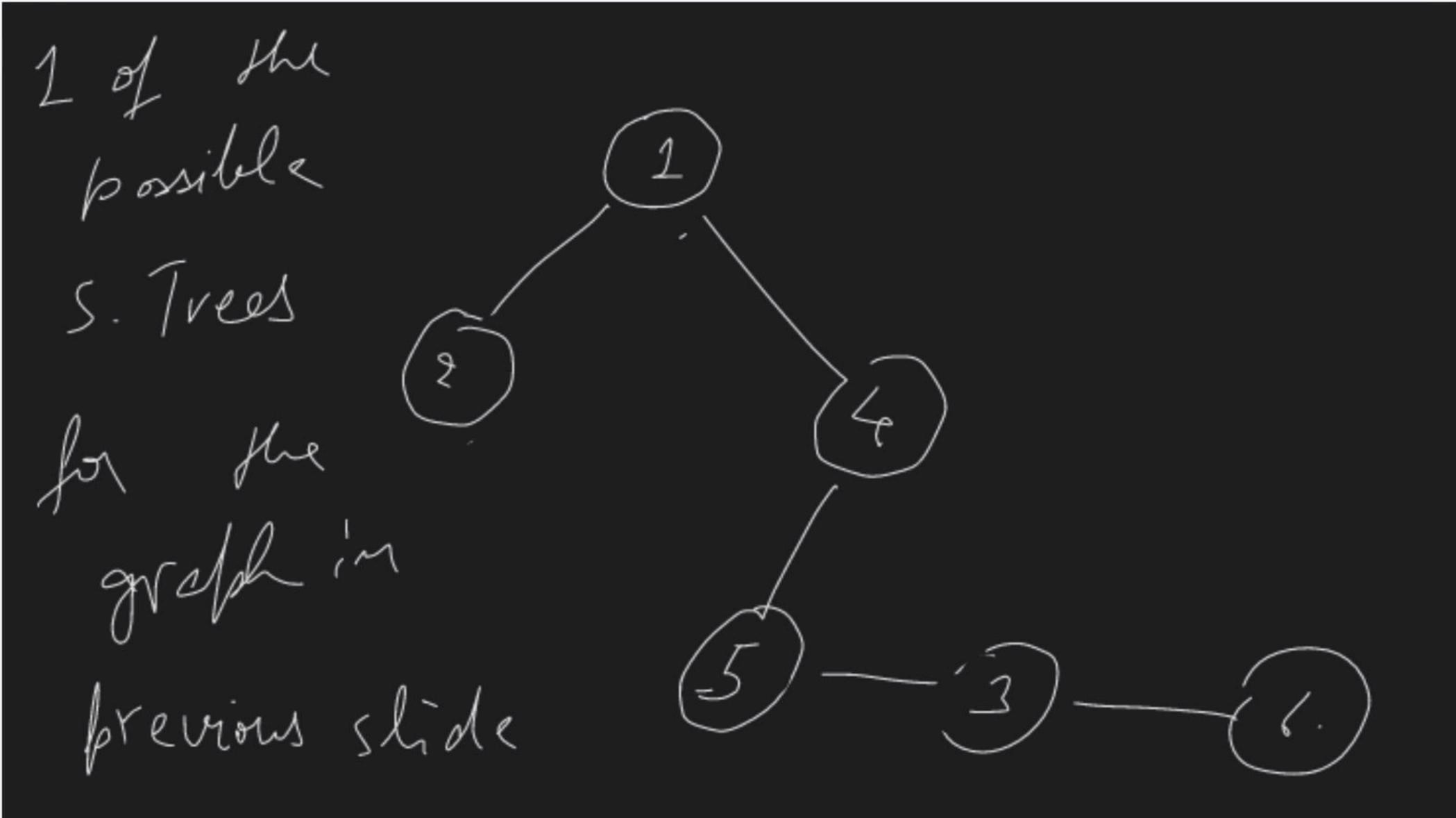


Special class

Spanning Tree





Spanning Tree B.F.S. (1) (2)A) N× M (a) — (5) 1 (b) ANTM 1, 2, 4, 5, 3, B, Quand D) N+M' (3)

Beerd Anahogy 1 (-- (3)

d[1]:0 d[n]=d[par[u]]+1 Skanning Tree.

Tim, Comp of DFS Ai) M AN 4 M C) N2 1 M DNHM

unweighted dest, 1.) Gjorn an modive dud, Graph and a sv c which are find all the modes shortst path part of allest 1 (1 < N, M < 103) from SVC to doot.

Graf h: (1) - (2)(3) 5V2 = 1, dest ~ 5

PNS: 2, 3,

d. 2 b/s (svd)
d2 bf s (dest)

d. G.) - d. (i) 2 d. [dest]

Find the Lexicographically smallst path b/w svc (2) (3) (3) (3) (3) (3) (3) (3)1, 4, 3 1,2,3

- (3) - (5) (6) - (7) dest 2 5 L x a mp le:

ANS 2 1, 2, 3, 4, 5

