

CS 355/596

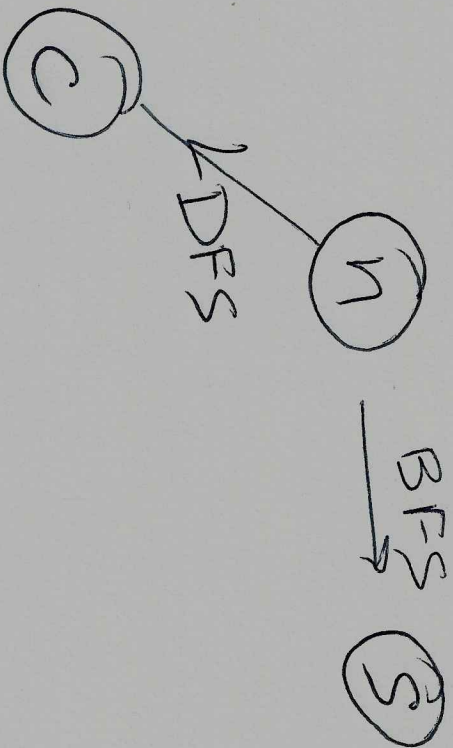
-1-

March 26

1) record

2) attendance

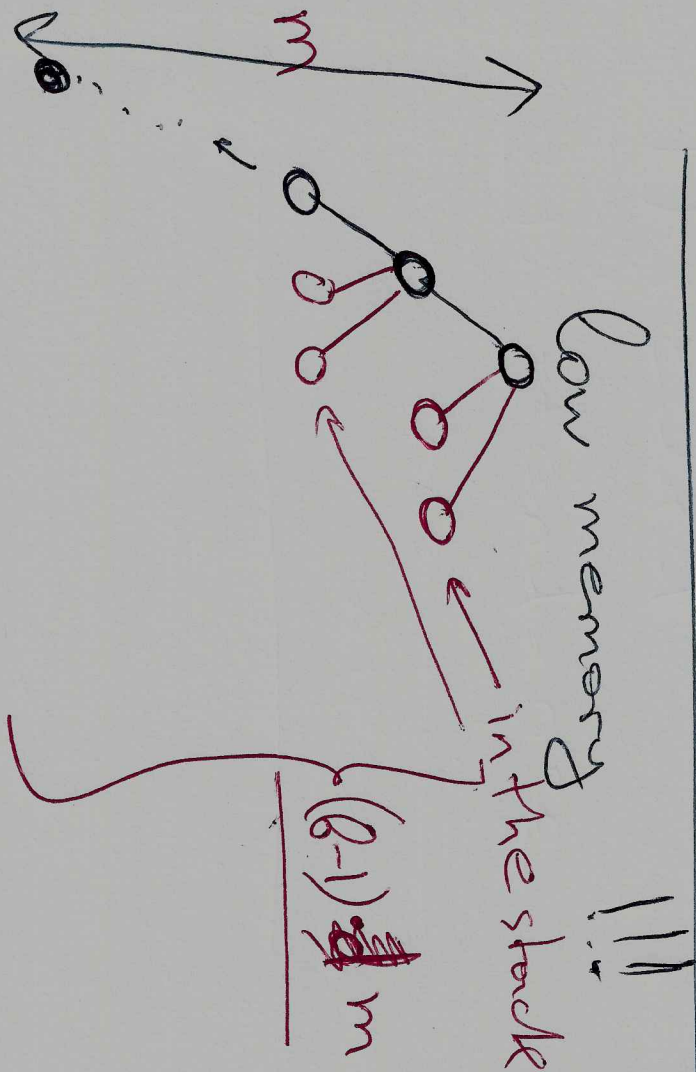
I'm talking



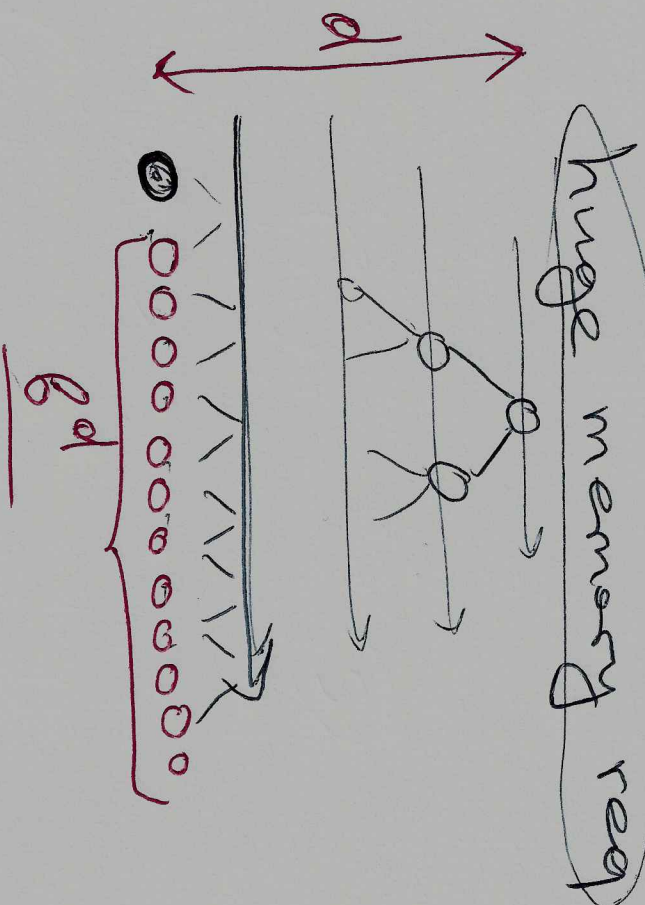
Properties of single-threaded

-2-

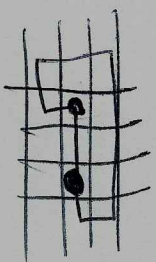
DFS



BFS

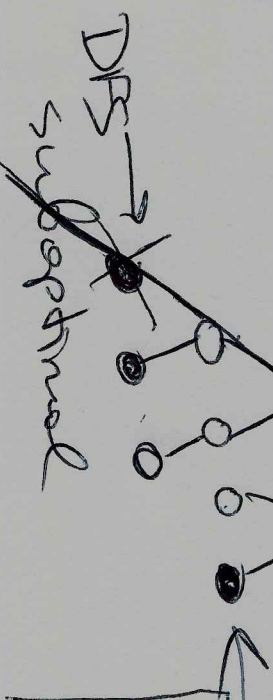


not-optimal



optimal

complete if it finds a solution.



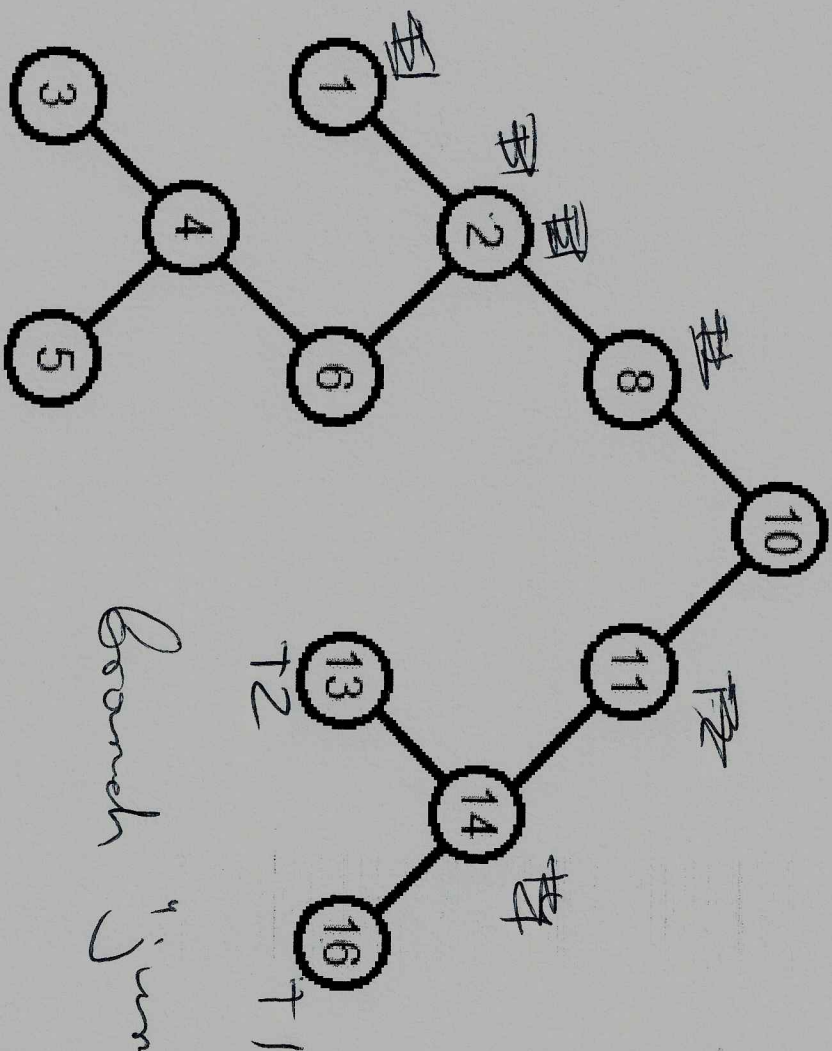
DFS on infinite tree is incomplete.

no? comp? yes opt.

Per DFS

~~# return~~

max. number of nodes = $(b-1)m \cdot t$

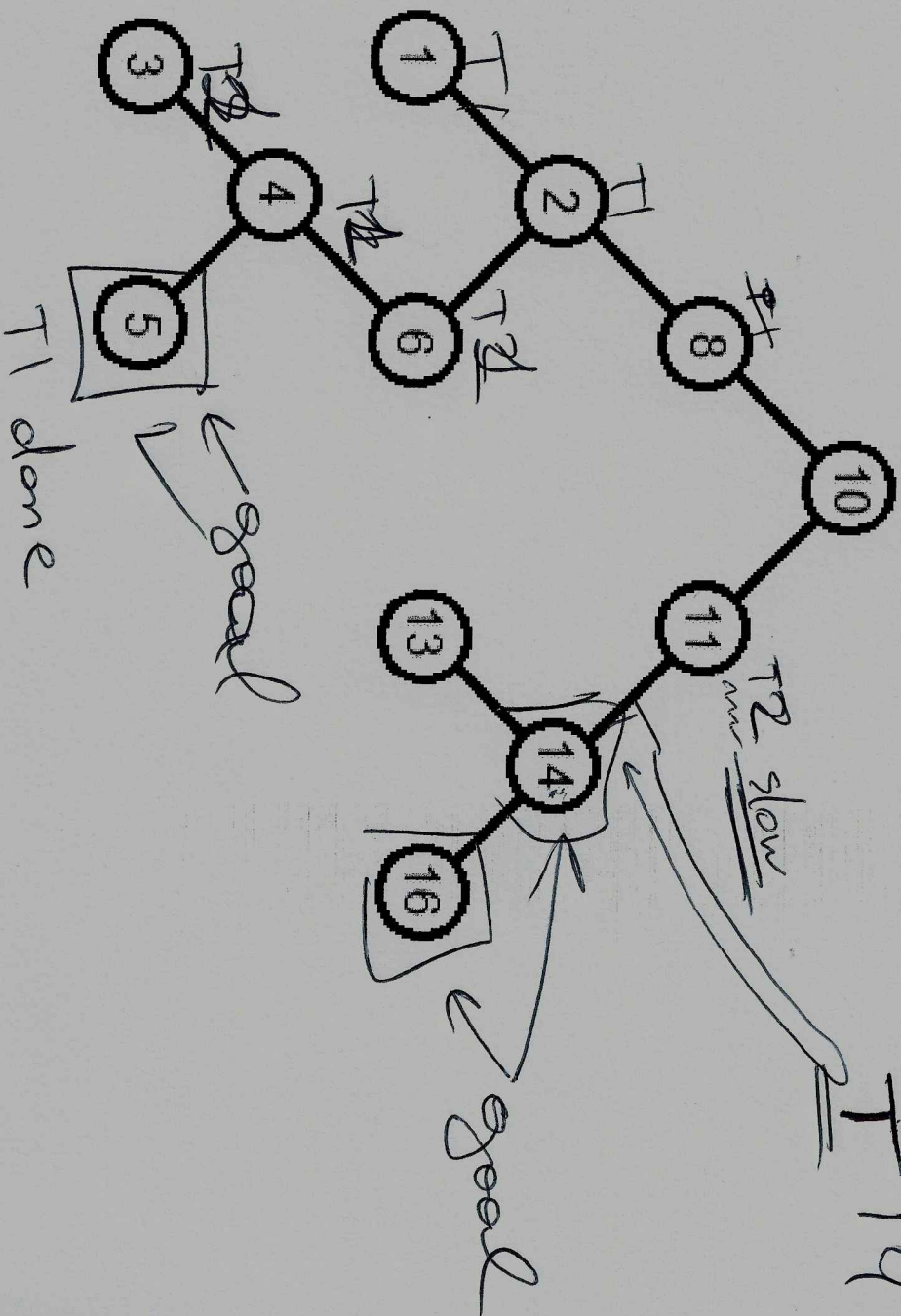


Branch "jumping"

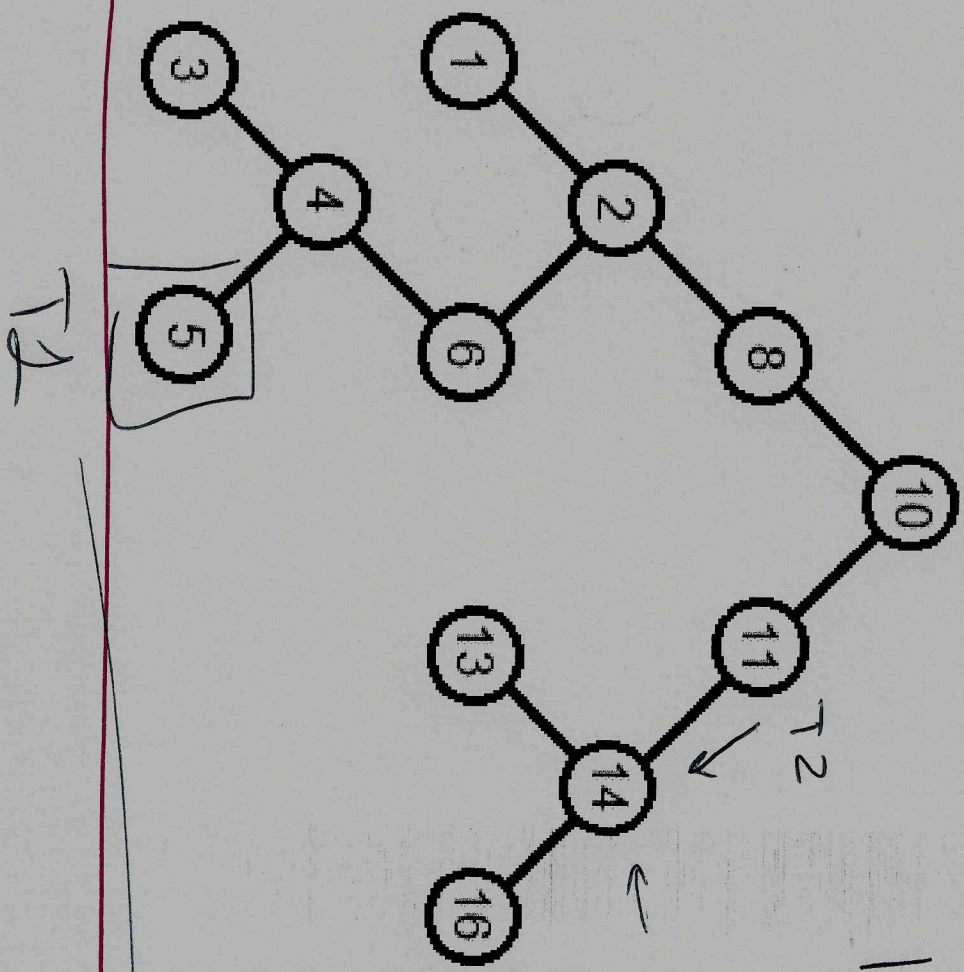
~~16~~
16
6

-3-

For BFS
~~sub~~ not optimal



ref Queue: — 14 —
push



in front of
142 T5

Solution: ~~Fix~~

-5-

priority queue. (more expensive)

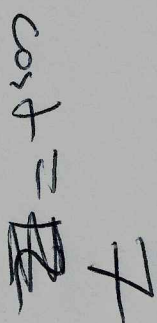
→ priority = depth (low priority = in front)

pr.	1	2	3		
pop				push	
				10	11

Token = T (depth of just found solution)

head
-7-

143



Length

557 → 600

$$A^* = U_n \cdot \cos t S. \quad (\text{periody} = \sum w + h) \quad -8-$$

