22-S1-Q2

(a) first - min

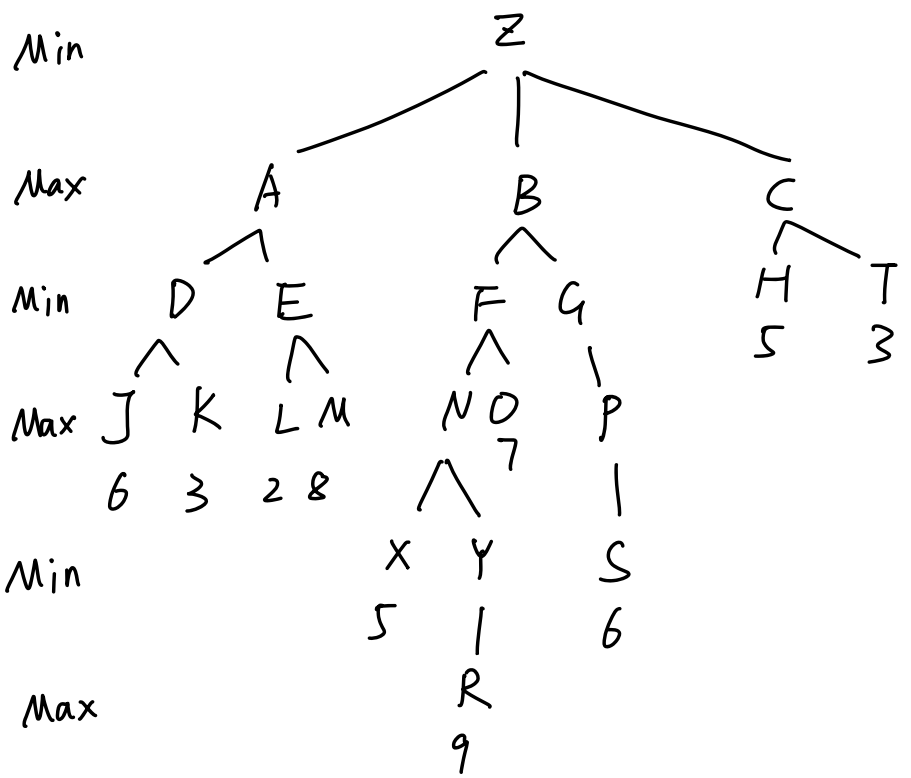
(i) choose of ABC

(ii) left - to - right $\alpha\beta$ pruning

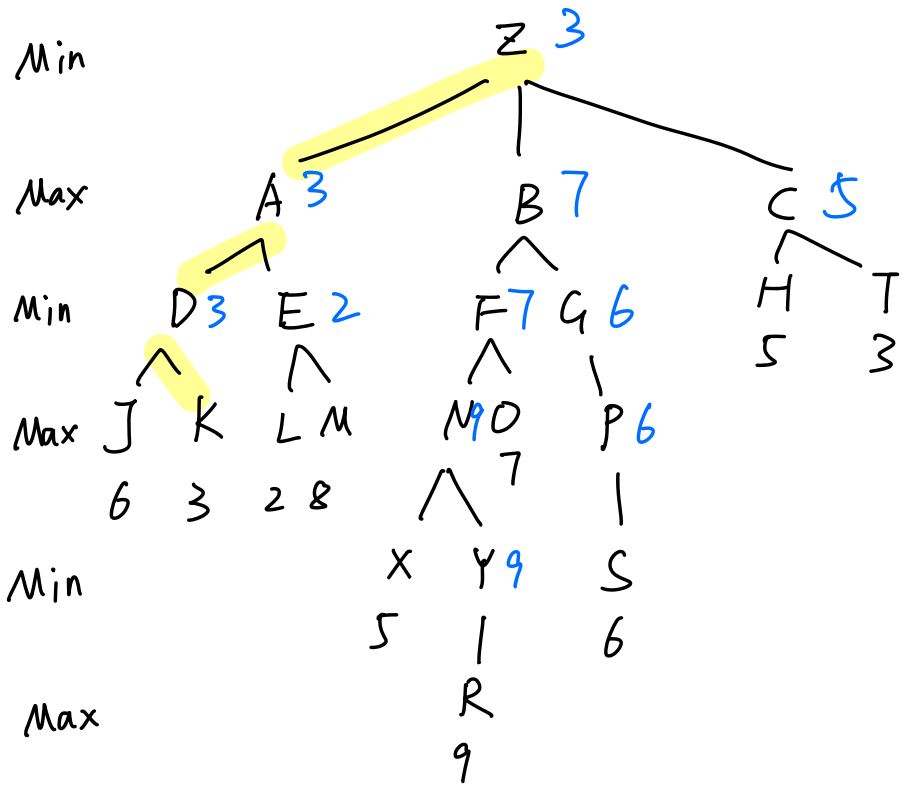
list no examined node

(iii) reduce computation cost in α-β

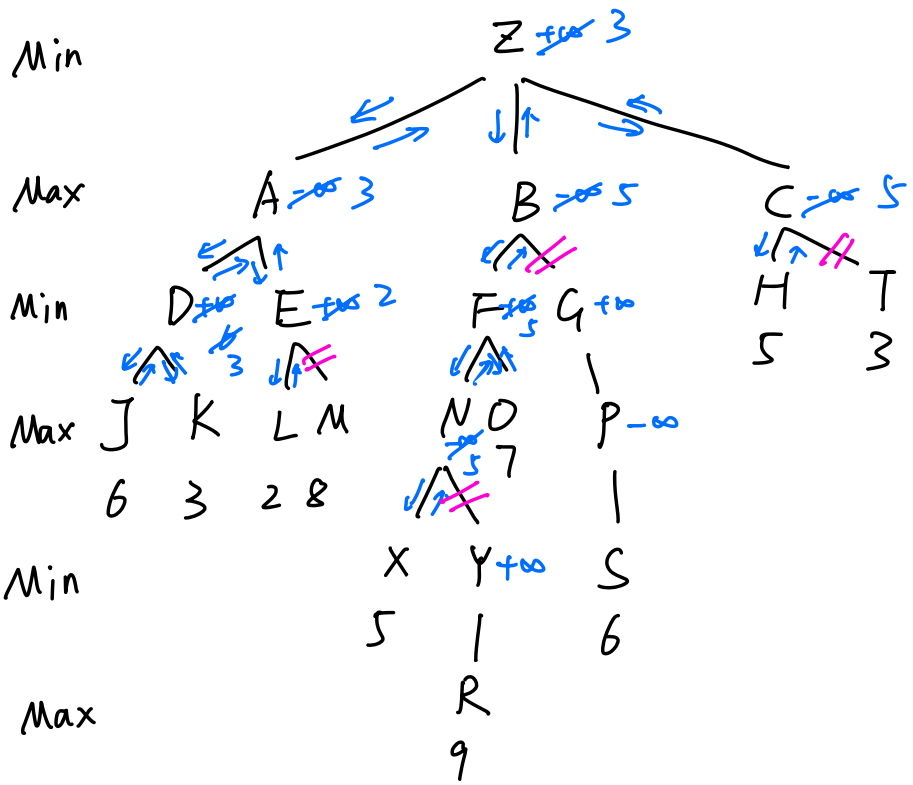
2 factors compare: min max



Solution(i) MinMax : choose A



(ii)



not examinated node.

M Y R G P S T

(iii) ① Pruning of irrelevant branches:

Once α or β crosses, entire subtrees can be skipped.

② Move ordering: If one finds either a very good for Max or very bad for Min move early, it tightens α or β sooner and prunes more aggressively