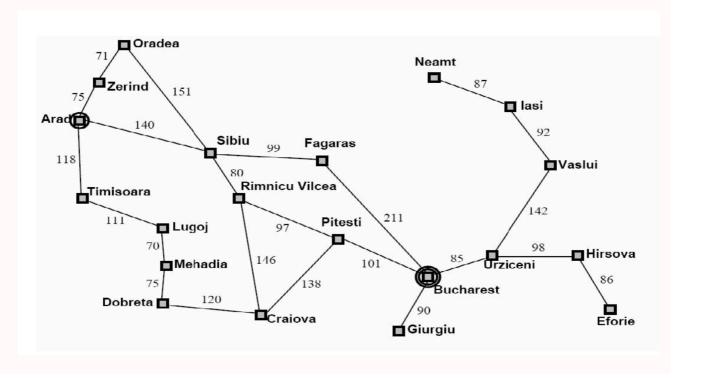
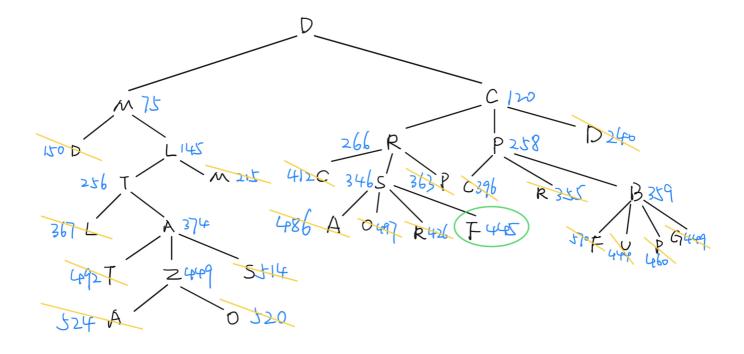
## 人工智能第一次理论作业

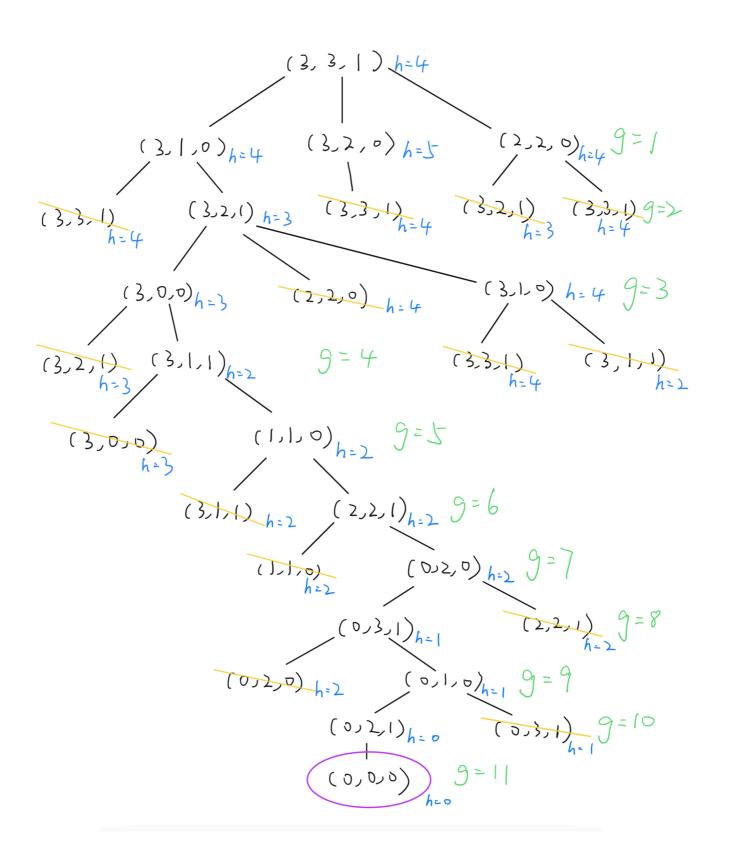
## 18340052 何泽

Consider travel in Romania from Drobeta to Fagaras. Trace the operation of uniform-cost search with cycle-checking, draw the search tree.





The missionaries and cannibals problem (see the lecture notes): Consider the case of M=3 and K=2. Use the heuristic function h(n)=M+C-2B. Trace the operation of A\* with cycle checking: Draw the search tree; for each node, mark its g and h values.



3

Perform alpha beta pruning on the following game tree and compute the utility value of the root.

