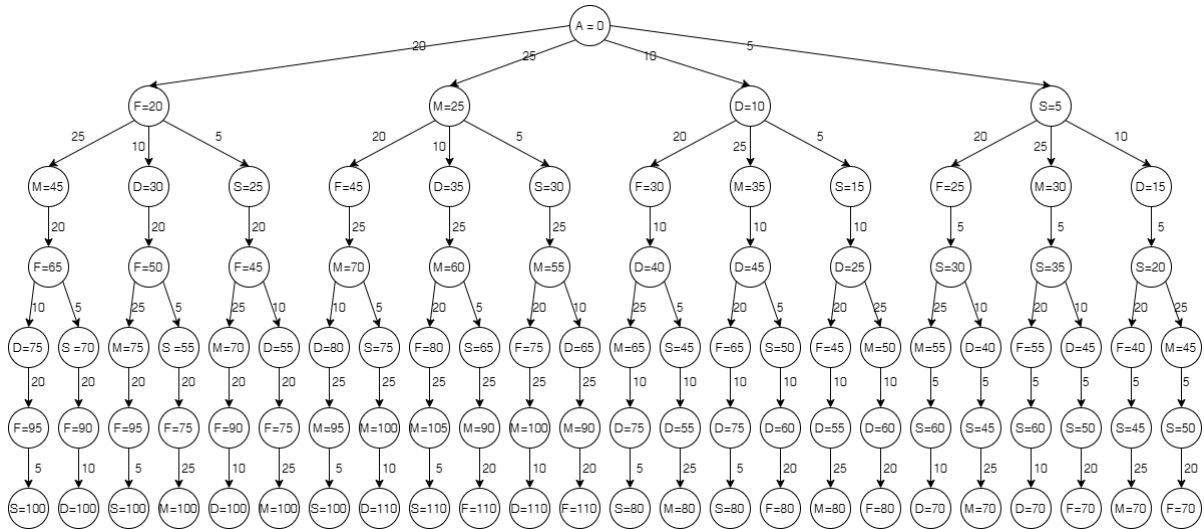


4. a) Solve the search problem using Uniform-Cost search. List the solution path and calculate the path cost.



Solution Path = A,S,F,S,M,S,D

Path Cost = $0+5+20+5+25+5+10$

$=70$

4. b) State ONE heuristic function that can be assumed for this problem.

$h(A) = 70$