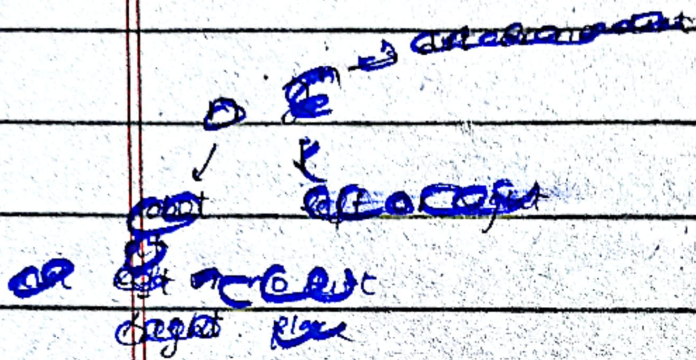


Artificial
Date: _____

Day: M T W T

Artificial Intelligence



~~Artificial~~ Engineering

→ If algorithm gives answer if it exists then algorithm is complete

When branching factor gets very large
BFS becomes incomplete because
memory gets exhausted step
BFS not optimal if ~~branch~~ costs
are different.

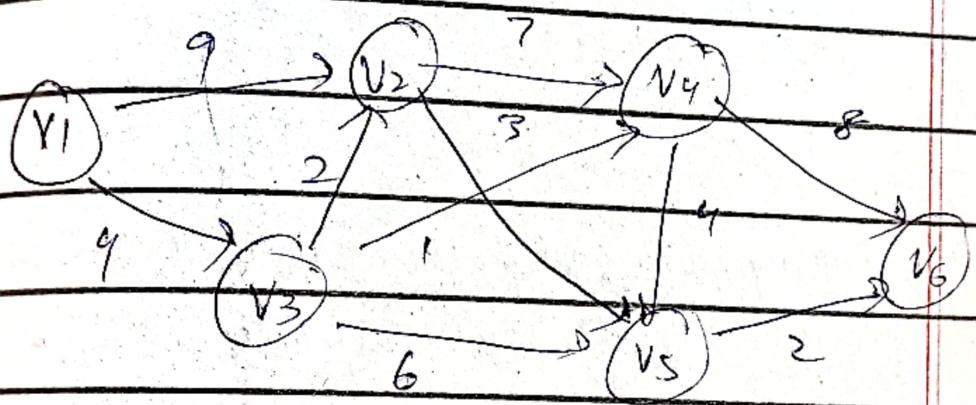
Date:

Day, M T W T F S

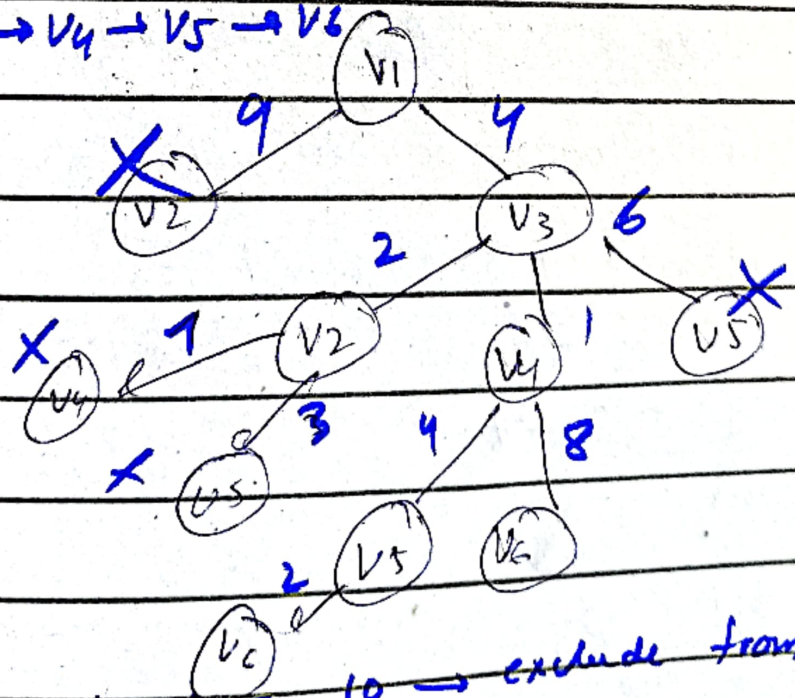
Uniform cost search don't specifically go depth or breadth wise

Priority based DFS

iteration 3: open { [v



$V_1 \rightarrow V_3 \rightarrow V_4 \rightarrow V_5 \rightarrow V_6$

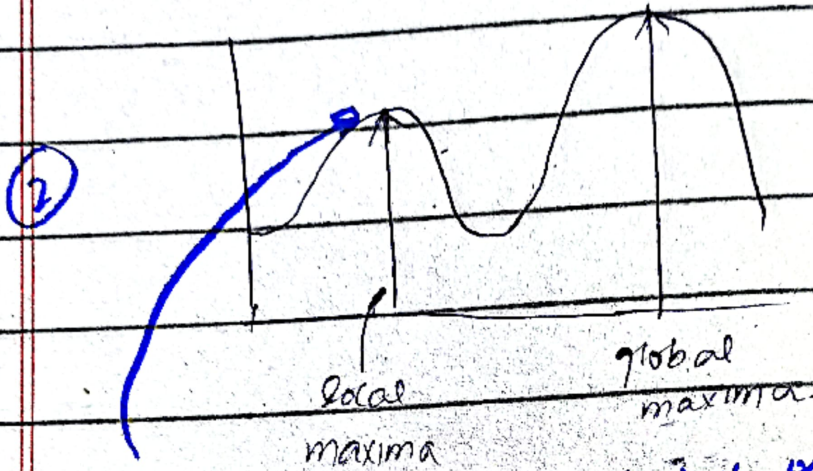


$V_1 \rightarrow V_3 \rightarrow V_5, 10 \rightarrow$ exclude from list
 $V_1 \rightarrow V_3 \rightarrow V_4, V_5, 9 \rightarrow$ replace by this

Date: _____

Day: M T W T F S

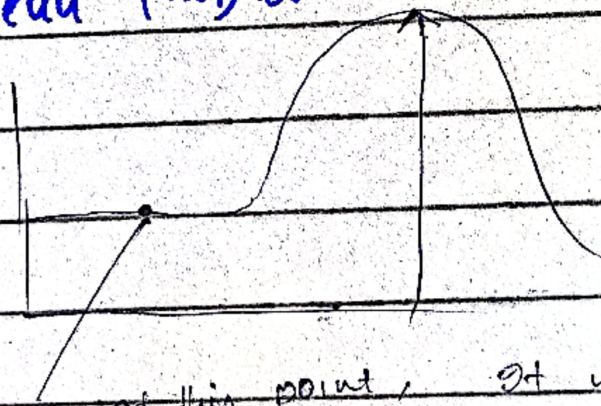
① No Backtracking in Hill Climbing



Hill Algo will consider it highest peak
because after this we go downward.

gradient \rightarrow slope

③ Plateau Problem



slope 0 at this point, it will be
stuck, \rightarrow sol \rightarrow take big steps