

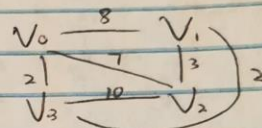
STMATH 381

PIA

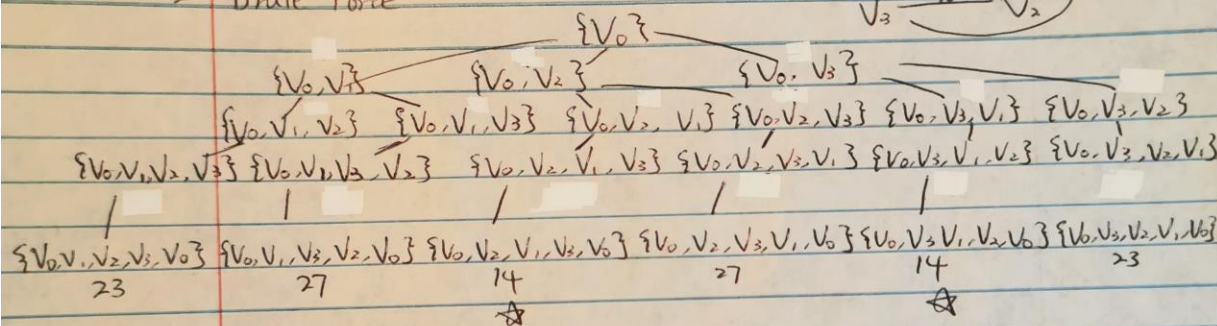
1. Greedy numNodes = 4 V_0, V_1, V_2, V_3

$V_0 \rightarrow V_3 \rightarrow V_1 \rightarrow V_2 \rightarrow V_0$ with a cost of 14

2 2 3 7



2. Brute Force



Lowest cost path: $V_0 \rightarrow V_2 \rightarrow V_1 \rightarrow V_3 \rightarrow V_0$ \Rightarrow cost of 14
 $V_0 \rightarrow V_3 \rightarrow V_1 \rightarrow V_2 \rightarrow V_0$

3. Greedy Branch and Bound method

Pruned tree:

