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|  | **CYPRUS INTERNATIONAL UNIVERSITY**ENGINEERING FACULTY**CMPE 415** **ARTIFICIAL INTELLIGENCE**  **2022/2023 Fall** |

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**🡪 Homework 🡨**

S

3

3

1

2

3

1

1

12

G2

G1

D1

D

B

C

A

G

The shortest path using uniform cost strategy is S-A-C-G1

We insert all the nodes into the tree with their path cost and we used uniformCS() function to sort the and find the shortest path that lead to the goal.