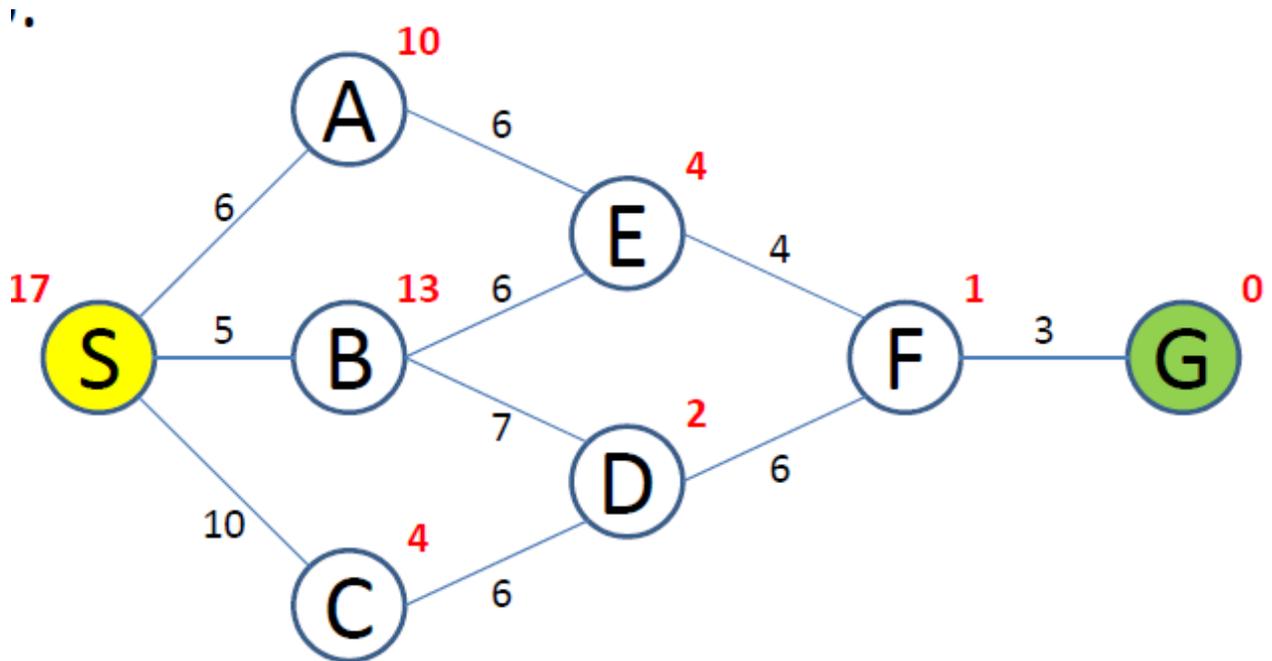




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B. Tech (CSE)  
**CSE 601, Artificial Intelligence.**

## Assignment 2(Searching Strategies)

Q1. Perform the A\* Algorithm on the following figure. Explicitly write down the queue at each step.



- Q2. State n-queen problem. How you solve this using state-space representation.
- Q3. Describe Informed and Uninformed search techniques with its proper examples.
- Q4. Explain Hill Climbing algorithm with suitable example(write down each step as per our discussion in A\* algorithm)