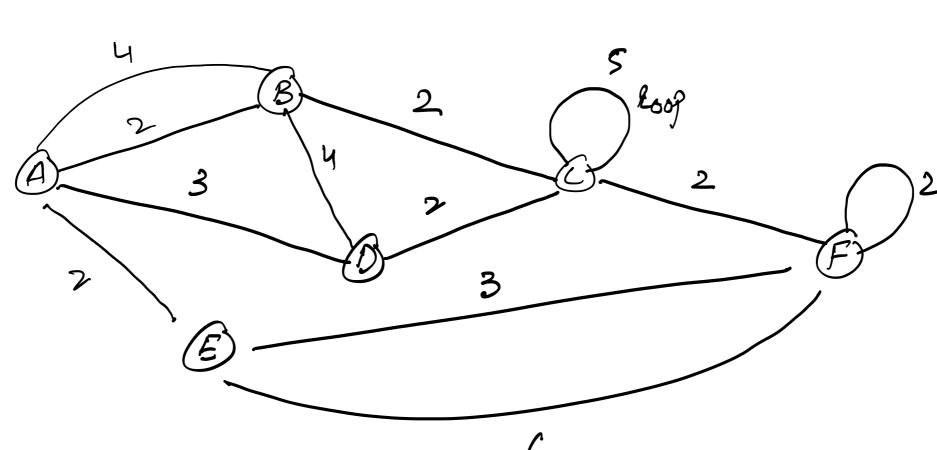
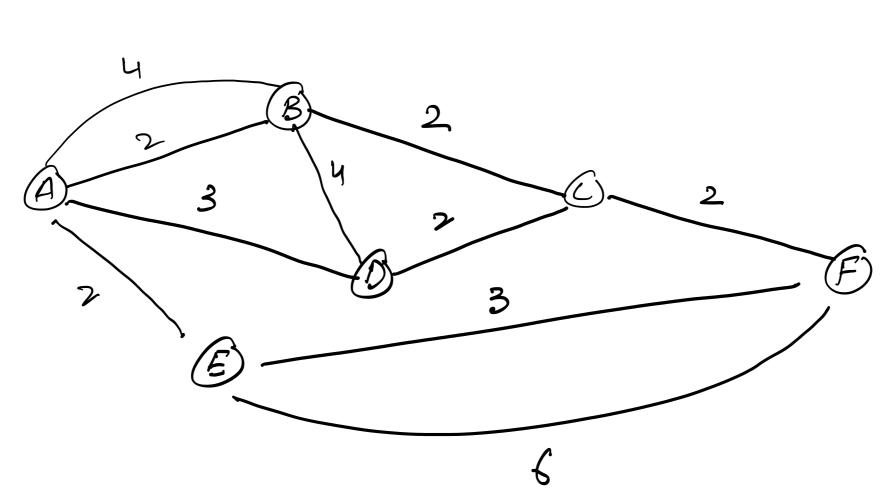
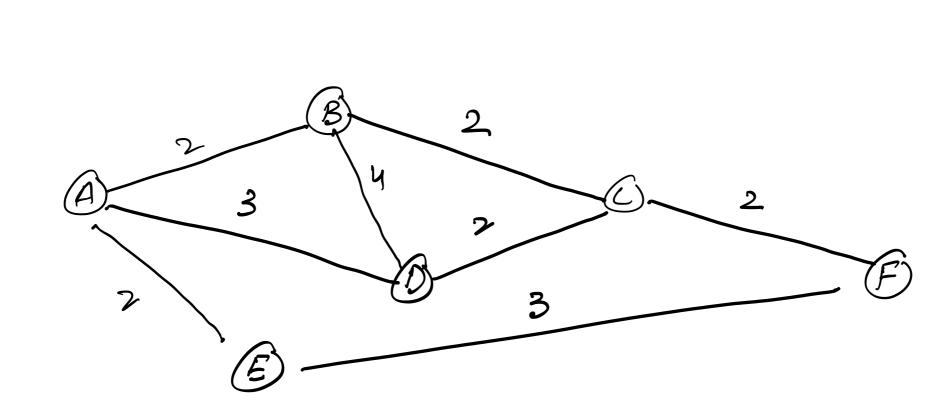
Dijkstra's Algorithm Sunday, 13 March 2022 5:22 PM Pronounce as "Ayk -stara"



Step 1: Remove all books.



Step 2: Remove all parallel and Heavy weighted edges blu vertices.



Step 3: Create weight matrix table.

1) Set source vertex to 'O'
Set all other vertices to 'oo'

- ii) Mark the Smallest unmarked value and put that rester in the marked column.
- in) Find directly connected we riscento
 the marked vertex and update those.

Updation Formula:

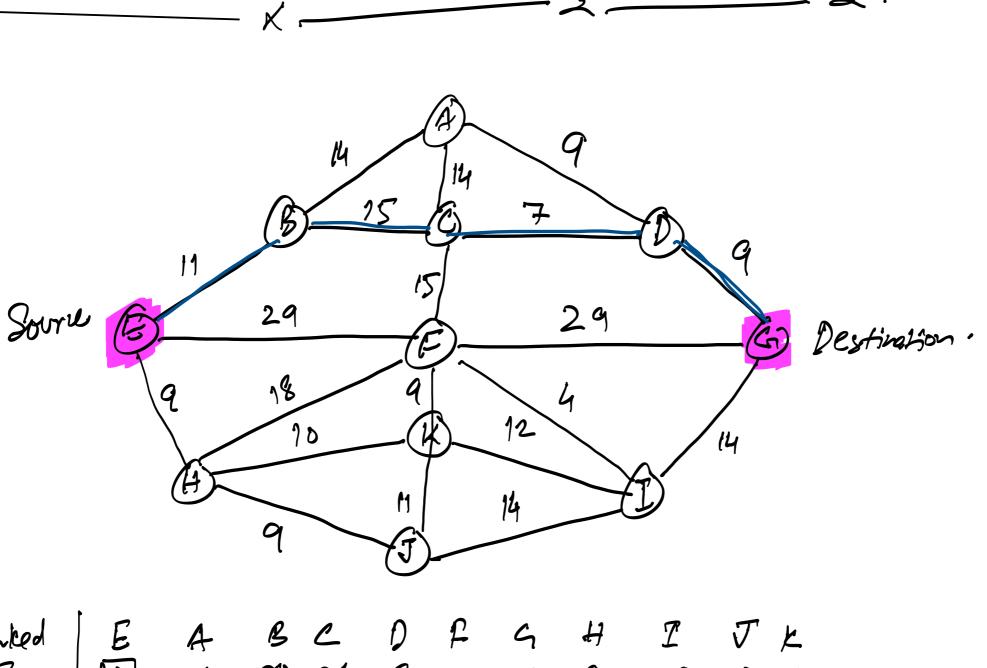
New destination = MIN (old dest., Marked + Edge) F

Name

Name

Value Value Weight)

Shortest Pa $A \rightarrow A = 0$ $A \rightarrow B = 2$ $A \rightarrow B \rightarrow C = 4$ $A \rightarrow D = 3$ $A \rightarrow E = 2$ $A \rightarrow F = 5$ $A \rightarrow E \rightarrow F = 5$ $A \rightarrow B \rightarrow C = 2$	HS: Back Hacking



Marked E H	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
BJKAC	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
f I D	33 27 X 31 33 56 31 33 45
G	[42] E+B+C+D+G 11+15+7+9

79