## Minimum Sponning Tree (Contd)

Greedy Choice -> can be based on selecting an edge or vertice at a time

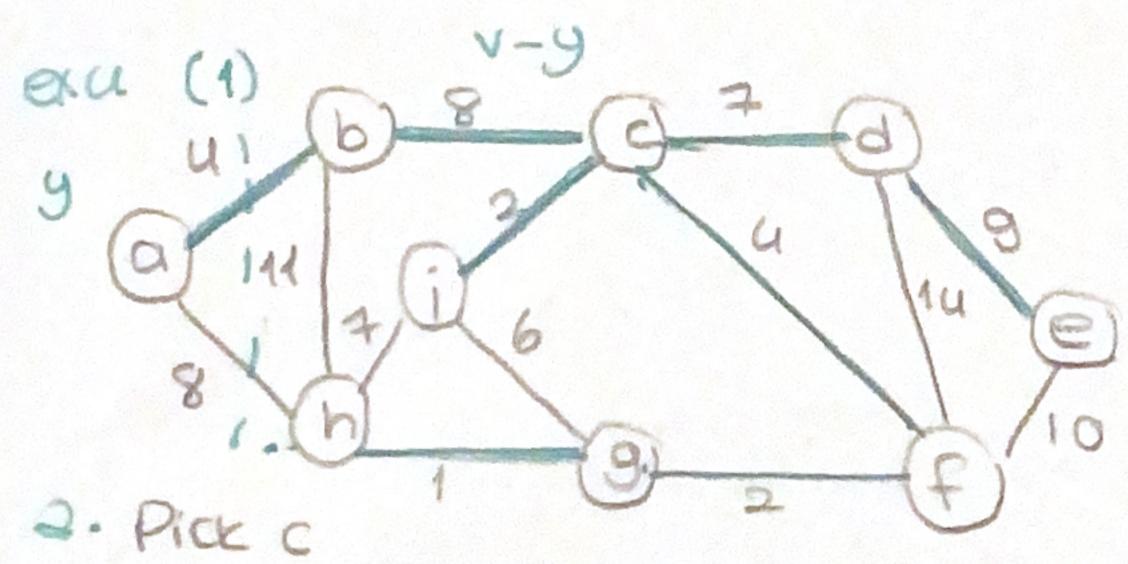
## Him's Algorithm (vertex bosed) -> 01 112

F-) edge set (None at the beginning) 9 = V, -> vertex set

1. Y'ye en yabn ve y be amayon bir vertex seq.

a. Vertexii y'ye edge'i Fiye ekte

3. 9 = V oluncoya kodor devames.



(hy de seaebiirdik, rostgere sechibl

3. PICE I F = {ab, bc, cij y = faibiciij

## First Step:

y = fay

1. Pick b- 3 snortest

F= {ab} 9 = { a, b}

to a (y) from (v-9)

4. PICK I

F = } abibcici, cf & y= 3a,b,c,i,ff

5. Pick 9

F= } ab, bc, ci, cf, f9 9

6. Pick h

F= Sabiboici cf, f99

7. Pick d

F= {abibcicictita}

8. Pick e

F= Sabibcicicf, fg?

9= Sabibicide, f.g. nii)