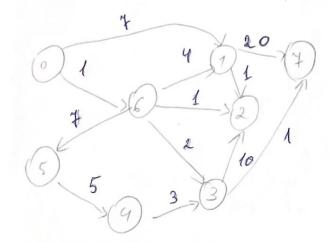
Practical work Nr. 4 Problem 4

Corp Micoleta gr. 811

input 1. txt

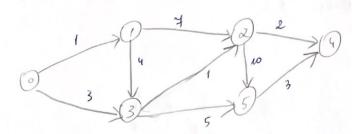


A DAG with 8 vertices and 12 edges

| | x.y | count : olichian. | getal : his t | sorted: list |
|----------------|-------------------------|-------------------|----------------|---|
| imitialitation | | 023211112 | <u>- 101-</u> | [] |
| iteration 1 | x= 0 y= 6 y= 1 | 01234567 | (- <u> </u> 6 | [0] |
| ilerat 2 | x= 1 2 3 5 | 01234564 | F115 c- | C0, 6] |
| Jerat. 3 | x = 1 y = 7 y = 2 | 0 1 2 3 4 5 6 7 | C 151c- | [0, 6, 1] |
| ilerat. 4. | x = 5 y = 4 | 01234567 | C-141c- | [0, 6, 4,5] |
| Jerat. 5 | x= 4 g= 3 | 0123456 1 | c- IIc- | [0, 6, 1, 5, 4] |
| iterat.6. | x=3 y=2 y=+ | 0 12 3 4 5 6 4 | C- TRI 7/ C- | [0, 6, 1,5, 4,3] |
| Iserad 7 | 4=2 | _ // _ | t III (- | [0,6,1,5,4,3,2] |
| iterat.8 | x=7 | -11- | 6 | [0,6,1,5,4,3,2,4] sire of sort=8=7 DAG |

lite of sorted = 8 => Craph is a DAG

in put 2. txt



A DAG with 6 vertices and 8 edges

Topological sorbings: 0,1,3,2,5,4
Results:

(1) x= 0 y=4

path: [0,1,2,5,4]

Cost: 21

② x = 3 y = 5path: [3, 2, 5]

cost: [1]