

Actividad 3.2b Implementación de "Dijkstra and Floyd"

Curso: TC2038

Grupo: 601

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Octubre 22, 2023

Casos de Prueba

Caso 1

Entrada:

4

0	2	-1	3
-1	0	1	5
2	3	0	-1
3	-1	4	0

Salida esperada:

Dijkstra:

node 1 to node 2: 2

node 1 to node 3: 3

node 1 to node 4: 3

node 2 to node 1: 3

...

node 4 to node 2: 5

node 4 to node 3: 4

Salida:

```
WGraph: 4 vertices, 12 edges
  0      1      2      3
0      0      2     -1      3
1     -1      0      1      5
2      2      3      0     -1
3      3     -1      4      0
Dijkstra:
From 1:
2: 2
3: 3
4: 3
From 2:
1: 3
3: 1
4: 5
From 3:
1: 2
2: 3
4: 5
From 4:
1: 3
2: 5
3: 4
FIN
```

Caso 2

Entrada:

4

0	1	3	-1
3	0	2	5
-1	-1	0	1
-1	-1	-1	0

Salida:

```
WGraph: 4 vertices, 10 edges
      1      2      3      4
1      0      1      3     -1
2      3      0      2      5
3     -1     -1      0      1
4     -1     -1     -1      0
Dijkstra:
From 1:
2: 1
3: 3
4: 4
From 2:
1: 3
3: 2
4: 3
From 3:
1: infinito
2: infinito
4: 1
From 4:
1: infinito
2: infinito
3: infinito
FIN
```

Caso 3

Entrada:

3

0	2	-1
-1	0	1
4	-1	0

Salida:

```
WGraph: 3 vertices, 6 edges
      1      2      3
1      0      2     -1
2     -1      0      1
3      4     -1      0
Dijkstra:
From 1:
2: 2
3: 3
From 2:
1: 5
3: 1
From 3:
1: 4
2: 6
FIN
```

Caso 4

Entrada:

5

0	10	3	-1	7
-1	0	2	5	1
-1	-1	0	-1	-1
2	-1	4	0	6
-1	-1	-1	2	0

Salida:

WGraph: 5 vertices, 15 edges

	1	2	3	4	5
1	0	10	3	-1	7
2	-1	0	2	5	1
3	-1	-1	0	-1	-1
4	2	-1	4	0	6
5	-1	-1	-1	2	0

Dijkstra:

From 1:

2: 10

3: 3

4: 9

5: 7

From 2:

1: 5

3: 2

4: 3

5: 1

From 3:

1: infinito

2: infinito

4: infinito

5: infinito

From 4:

1: 2

2: 12

3: 4

5: 6

From 5:

1: 4

2: 14

3: 6

4: 2

FIN