



CASOS DE PRUEBA

Actividad 3.2b Implementación de "Dijkstra and Floyd"

Complejidad : Descrita como comentarios en cada una de las funciones del código

Para compilar:

```
g++ -std=c++11 main.cpp -o app
```

Para ejecutar:

```
./app < inputX.txt > mysolutionX.txt
```

Pruebas algoritmo

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

Resultado:

```
mysolutionX.txt × +
1 node 1 to node 2 : 2
2 node 1 to node 3 : 3
3 node 1 to node 4 : 3
4 node 2 to node 1 : 3
5 node 2 to node 3 : 1
6 node 2 to node 4 : 5
7 node 3 to node 1 : 2
8 node 3 to node 2 : 3
9 node 3 to node 4 : 5
10 node 4 to node 1 : 3
11 node 4 to node 2 : 5
12 node 4 to node 3 : 4
13
14 0 2 3 3
15 3 0 1 5
16 2 3 0 5
17 3 5 4 0
```



9

```
0 4 -1 1 8 -1 -1 -1 -1
-1 0 1 2 6 1 -1 -1 -1
-1 -1 0 -1 2 5 -1 -1 -1
-1 -1 -1 0 11 -1 9 8 -1
-1 -1 -1 2 0 3 4 1 8
-1 -1 -1 -1 -1 0 -1 7 8
-1 -1 -1 -1 4 -1 0 2 -1
-1 -1 -1 -1 -1 -1 -1 0 3
-1 -1 -1 -1 -1 -1 -1 -1 0
```

Resultado:

```
mysolution2.txt × +
68 node 9 to node 4 : -1
69 node 9 to node 5 : -1
70 node 9 to node 6 : -1
71 node 9 to node 7 : -1
72 node 9 to node 8 : -1
73
74 0 4 5 1 7 5 10 8 11
75 -1 0 1 2 3 1 7 4 7
76 -1 -1 0 4 2 5 6 3 6
77 -1 -1 -1 0 11 14 9 8 11
78 -1 -1 -1 2 0 3 4 1 4
79 -1 -1 -1 -1 -1 0 -1 7 8
80 -1 -1 -1 6 4 7 0 2 5
81 -1 -1 -1 -1 -1 -1 -1 0 3
82 -1 -1 -1 -1 -1 -1 -1 -1 0
83
84
```

20

[illegible]

Resultado

```
mysolution3.txt × +
```

```
377 node 20 to node 16 : 0  
378 node 20 to node 17 : 0  
379 node 20 to node 18 : 0  
380 node 20 to node 19 : 0  
381  
382    0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
383    0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
384    0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
385    0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
386    0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
387    0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
388    0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
389    0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
390    0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
391    0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
392    0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
393    0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
394    0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
395    0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
396    0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
397    0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
398    0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
399    0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
400    0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
401    0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
```



5

-1, -1, -1, -1, -1
 -1, -1, -1, -1, -1
 -1, -1, -1, -1, -1
 -1, -1, -1, -1, -1
 -1, -1, -1, -1, -1

Resultado:

```
mysolution4.txt × +
1 node 1 to node 2 : 0
2 node 1 to node 3 : 0
3 node 1 to node 4 : 0
4 node 1 to node 5 : 0
5 node 2 to node 1 : 0
6 node 2 to node 3 : 0
7 node 2 to node 4 : 0
8 node 2 to node 5 : 0
9 node 3 to node 1 : 0
10 node 3 to node 2 : 0
11 node 3 to node 4 : 0
12 node 3 to node 5 : 0
13 node 4 to node 1 : 0
14 node 4 to node 2 : 0
15 node 4 to node 3 : 0
16 node 4 to node 5 : 0
17 node 5 to node 1 : 0
18 node 5 to node 2 : 0
19 node 5 to node 3 : 0
20 node 5 to node 4 : 0
21
22 0 0 0 0 0
23 0 0 0 0 0
24 0 0 0 0 0
25 0 0 0 0 0
26 0 0 0 0 0
```