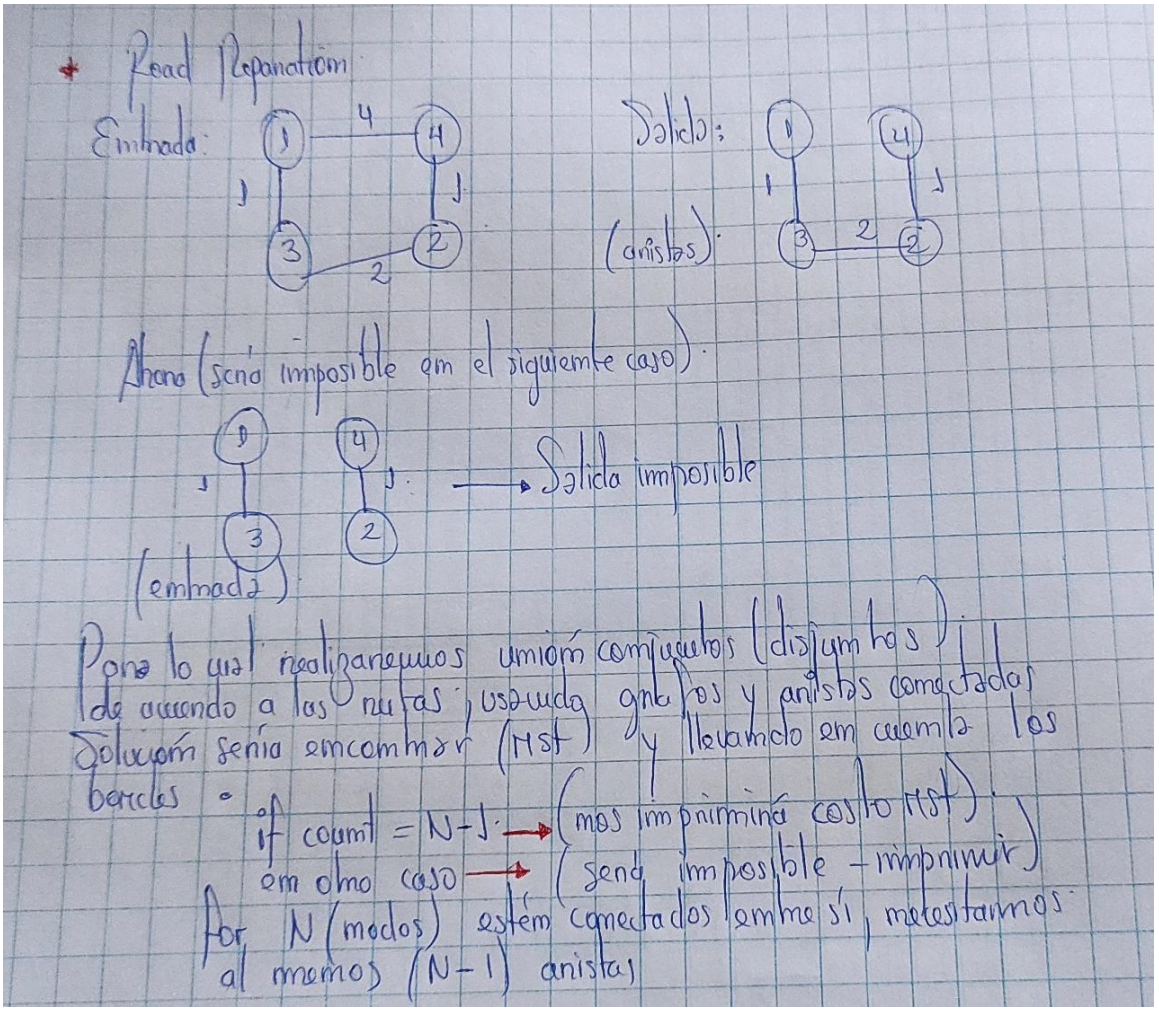
UNIVERSIDAD NACIONAL DE SAN AGUSTÍN
FACULTAD DE INGENIERIA DE PRODUCCION Y SERVICIOS
DEPARTAMENTO DE INGENIERÍA DE SISTEMAS
LABORATORIO - ANÁLISIS Y DISEÑO DE ALGORITMOS
GABRIELA MALENA QUISPE QUISPE
PROFESOR: ALEX FLOREZ FARFAN
AULA -10

UNSA
UNIVERSIDAD NACIONAL DE SAN AGUSTÍN DE AREQUIPA

---

1. Road Reparation



Pruebas:

Road Reparation

TASK | SUBMIT | RESULTS | STATISTICS

Submission details

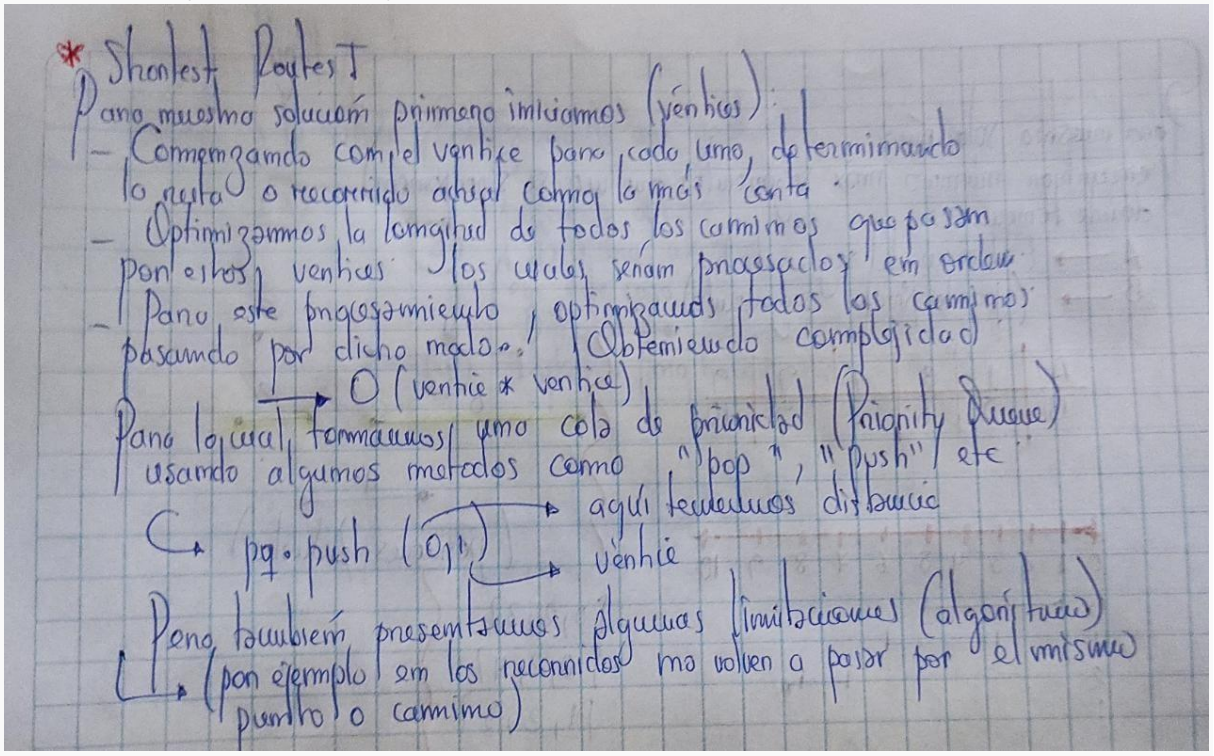
Task:	Road Reparation
Sender:	Gabriela Malena
Submission time:	2021-12-19 00:46:47
Language:	C++11
Status:	READY
Result:	WRONG ANSWER

Test results

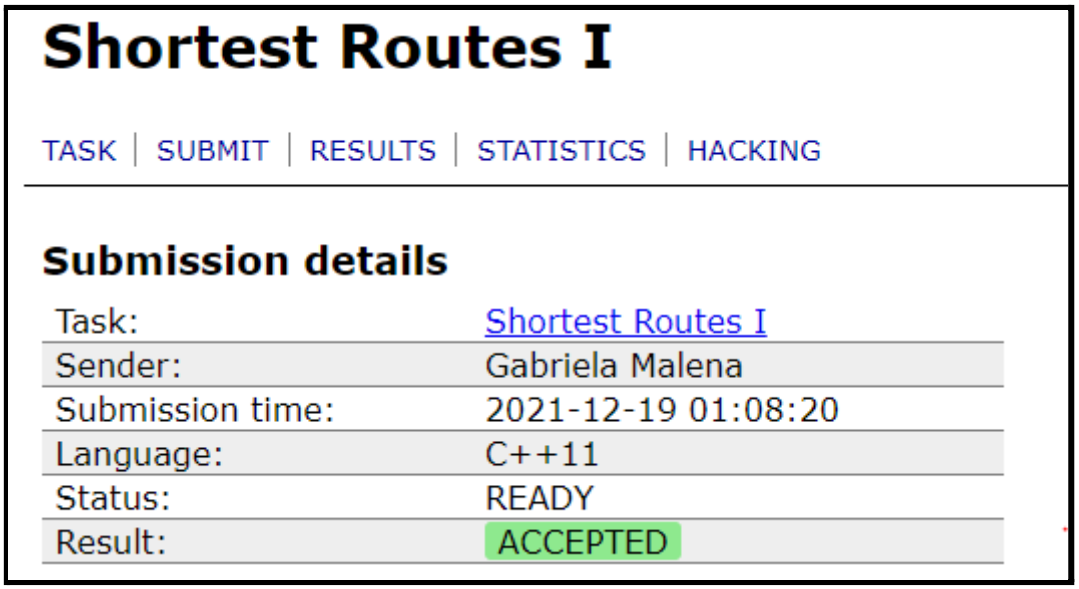
test	verdict	time	
#1	ACCEPTED	0.01 s	»
#2	ACCEPTED	0.01 s	»
#3	ACCEPTED	0.01 s	»
#4	ACCEPTED	0.01 s	»
#5	WRONG ANSWER	0.01 s	»
#6	ACCEPTED	0.24 s	»
#7	ACCEPTED	0.24 s	»
#8	ACCEPTED	0.24 s	»
#9	ACCEPTED	0.24 s	»
#10	WRONG ANSWER	0.24 s	»
#11	ACCEPTED	0.12 s	»
#12	ACCEPTED	0.01 s	»
#13	ACCEPTED	0.01 s	»
#14	ACCEPTED	0.01 s	»

2. Shortest Routes I

Aquí tenemos ciudades y m conexiones aéreas entre ellas, para lo cual debemos determinar la longitud de la ruta más corta desde Syrjälä a cada ciudad, cuyo problema nos presenta el algoritmo de Dijkstra que nos ayuda a resolver la ruta más corta.



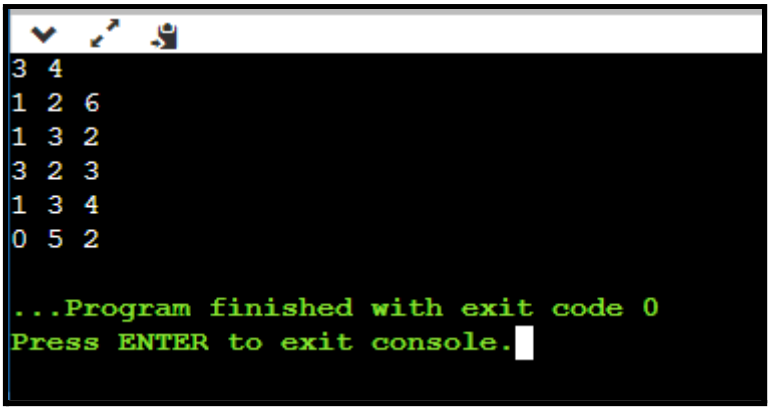
Pruebas:



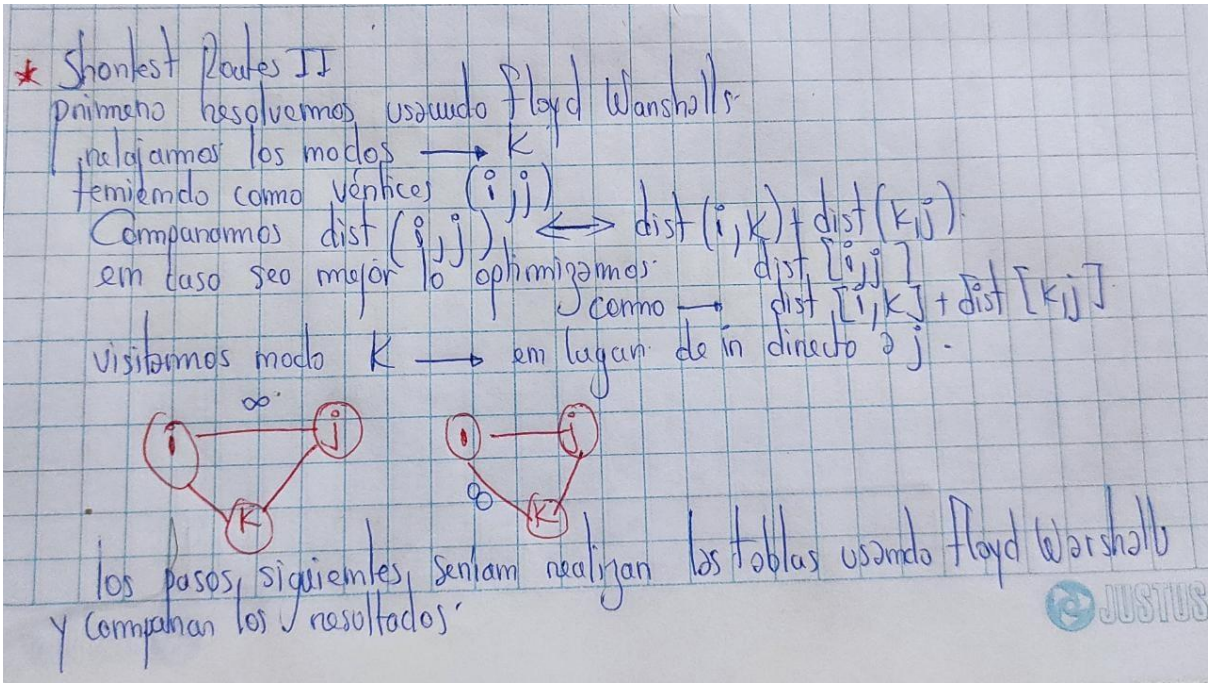
Test results

test	verdict	time	
#1	ACCEPTED	0.01 s	»
#2	ACCEPTED	0.01 s	»
#3	ACCEPTED	0.01 s	»
#4	ACCEPTED	0.01 s	»
#5	ACCEPTED	0.01 s	»
#6	ACCEPTED	0.15 s	»
#7	ACCEPTED	0.15 s	»
#8	ACCEPTED	0.15 s	»
#9	ACCEPTED	0.14 s	»
#10	ACCEPTED	0.14 s	»
#11	ACCEPTED	0.08 s	»
#12	ACCEPTED	0.07 s	»
#13	ACCEPTED	0.01 s	»
#14	ACCEPTED	0.07 s	»
#15	ACCEPTED	0.07 s	»
#16	ACCEPTED	0.07 s	»
#17	ACCEPTED	0.07 s	»
#18	ACCEPTED	0.09 s	»

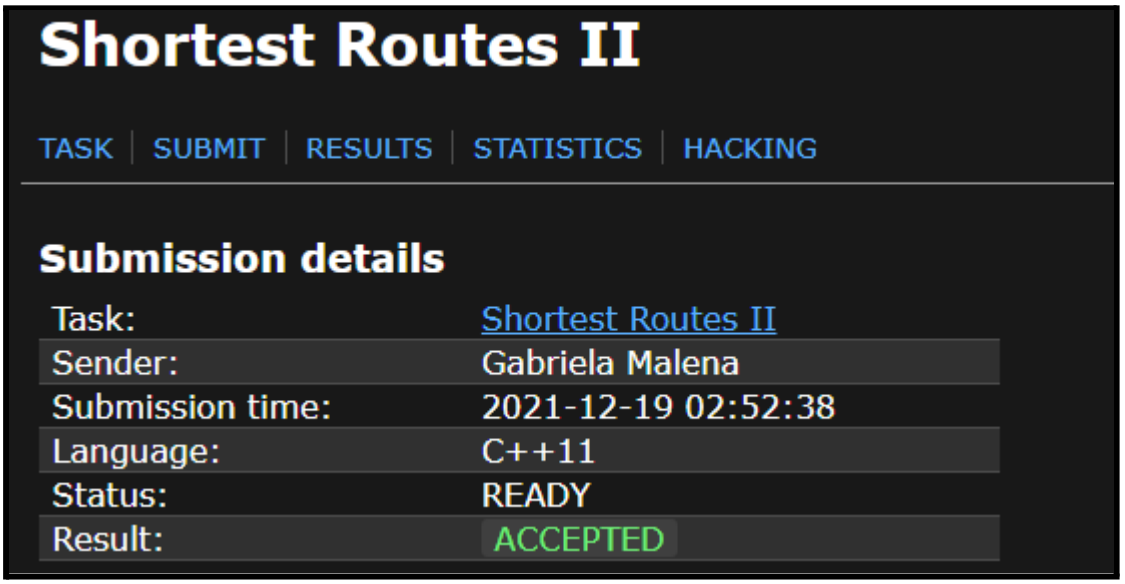
Codigo en consola:



3. Shortest Routes II



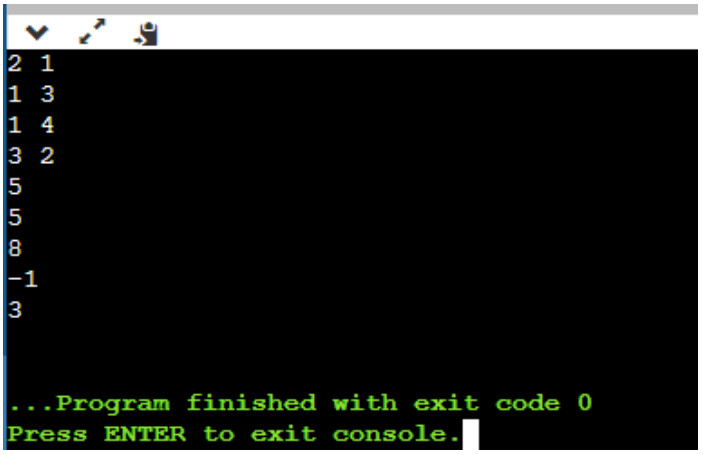
Pruebas:



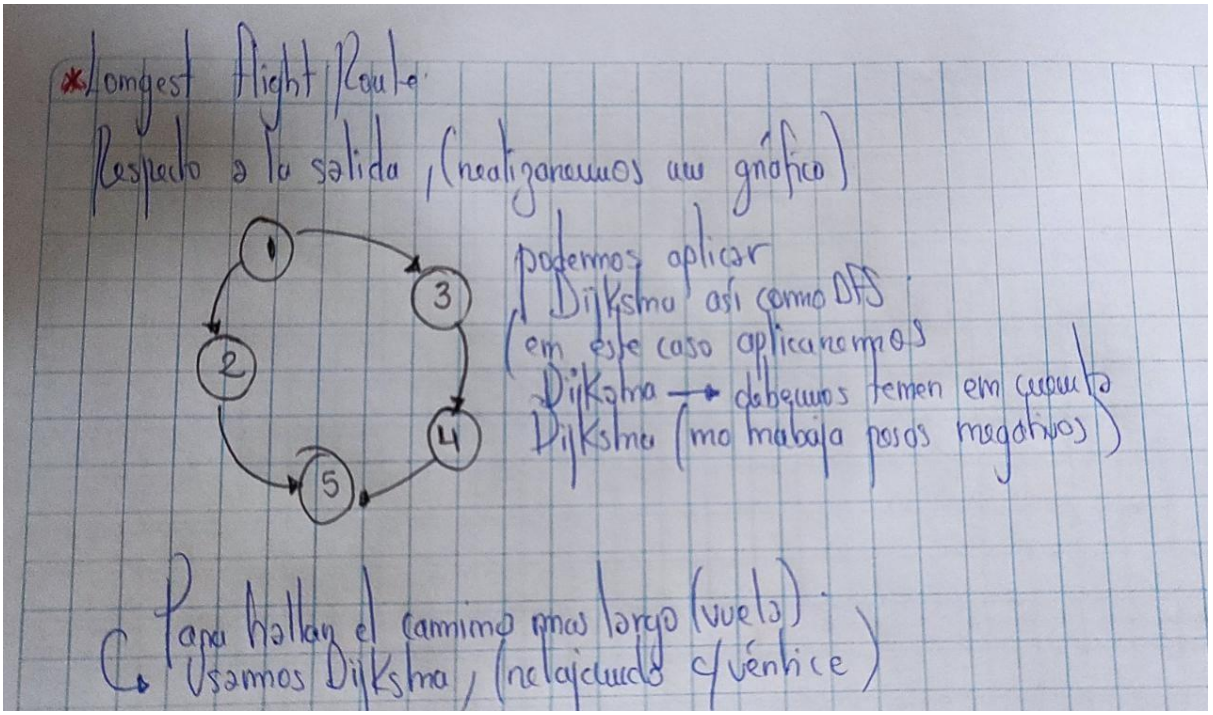
Test results

test	verdict	time	
#1	ACCEPTED	0.01 s	»
#2	ACCEPTED	0.01 s	»
#3	ACCEPTED	0.01 s	»
#4	ACCEPTED	0.01 s	»
#5	ACCEPTED	0.01 s	»
#6	ACCEPTED	0.18 s	»
#7	ACCEPTED	0.18 s	»
#8	ACCEPTED	0.18 s	»
#9	ACCEPTED	0.18 s	»
#10	ACCEPTED	0.18 s	»
#11	ACCEPTED	0.19 s	»
#12	ACCEPTED	0.20 s	»
#13	ACCEPTED	0.01 s	»
#14	ACCEPTED	0.27 s	»
#15	ACCEPTED	0.24 s	»

Codigo en consola:



4. Longest Flight Route



Pruebas:

Test results

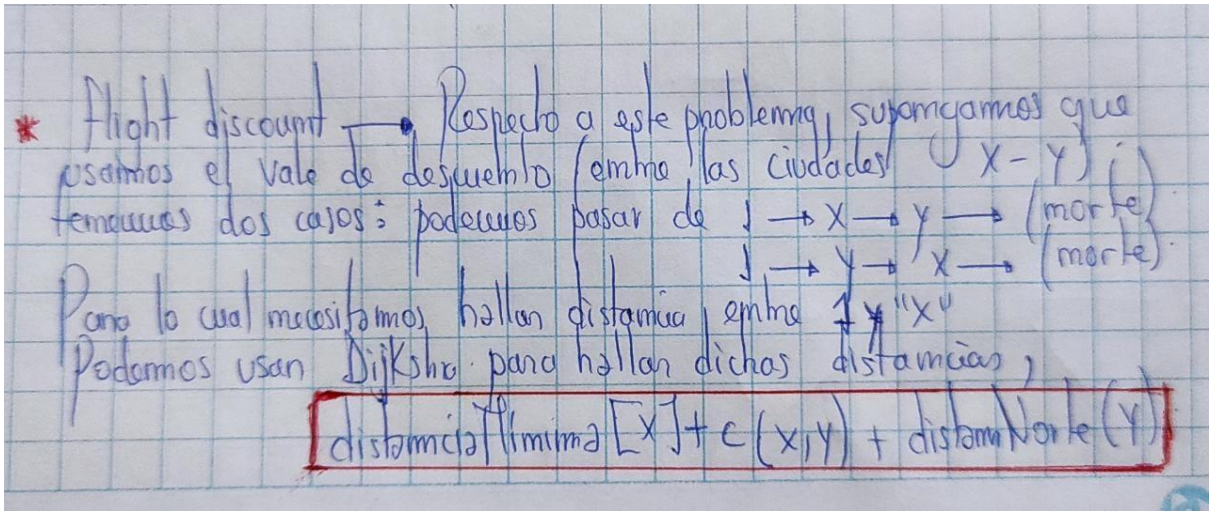
test	verdict	time	
#1	ACCEPTED	0.01 s	»
#2	ACCEPTED	0.01 s	»
#3	ACCEPTED	0.01 s	»
#4	WRONG ANSWER	0.01 s	»
#5	ACCEPTED	0.01 s	»
#6	WRONG ANSWER	0.16 s	»
#7	ACCEPTED	0.16 s	»
#8	ACCEPTED	0.16 s	»
#9	ACCEPTED	0.16 s	»
#10	ACCEPTED	0.16 s	»
#11	ACCEPTED	0.14 s	»
#12	ACCEPTED	0.14 s	»
#13	ACCEPTED	0.01 s	»
#14	ACCEPTED	0.01 s	»
#15	ACCEPTED	0.11 s	»
#16	ACCEPTED	0.01 s	»
#17	ACCEPTED	0.11 s	»
#18	WRONG ANSWER	0.09 s	»
#19	ACCEPTED	0.01 s	»
#20	ACCEPTED	0.08 s	»

Codigo en consola:

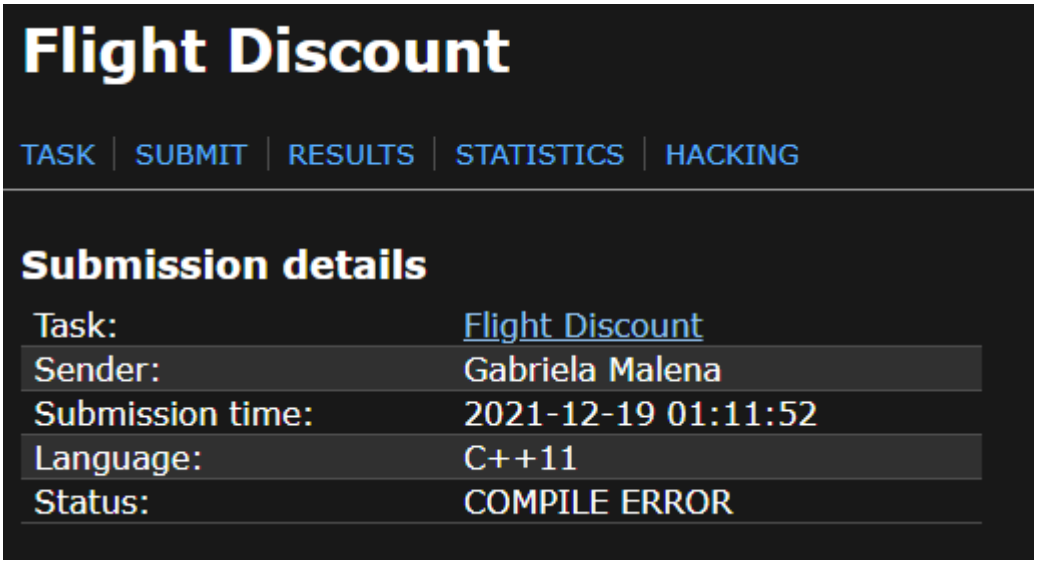
```
5 5
1 2
2 5
1 3
3 4
4 5
4
1 3 4 5

...Program finished with exit code 0
Press ENTER to exit console.
```

5. **Flight Discount**



Pruebas: Inicialmente me dio un error de compilación.



Flight Discount

TASK | SUBMIT | RESULTS | STATISTICS | HACKING

Submission details

Task:	Flight Discount
Sender:	Gabriela Malena
Submission time:	2021-12-19 01:26:45
Language:	C++11
Status:	READY
Result:	ACCEPTED

Test results

test	verdict	time	
#1	ACCEPTED	0.01 s	»
#2	ACCEPTED	0.01 s	»
#3	ACCEPTED	0.01 s	»
#4	ACCEPTED	0.09 s	»
#5	ACCEPTED	0.13 s	»
#6	ACCEPTED	0.09 s	»
#7	ACCEPTED	0.10 s	»
#8	ACCEPTED	0.15 s	»
#9	ACCEPTED	0.09 s	»
#10	ACCEPTED	0.01 s	»
#11	ACCEPTED	0.01 s	»
#12	ACCEPTED	0.01 s	»
#13	ACCEPTED	0.07 s	»
#14	ACCEPTED	0.08 s	»
#15	ACCEPTED	0.01 s	»
#16	ACCEPTED	0.01 s	»
#17	ACCEPTED	0.01 s	»
#18	ACCEPTED	0.12 s	»
#19	ACCEPTED	0.01 s	»