

## = Assignment 3 =

### Lowest Cost Walks and their Costs – examples

Vlad Bogdan-Tudor, 1<sup>st</sup> Year, group 917, Computer Science

For the file “graph1k.txt”:

Minimum cost walk from 1 to 100:

1 -> 5 -> 487 -> 175 -> 714 -> 799 -> 222 -> 561 -> 100

Cost of the above minimum cost walk: 141

Minimum cost walk from 100 to 1:

100 -> 259 -> 229 -> 641 -> 538 -> 854 -> 1

Cost of the above minimum cost walk: 196

For the file “graph10k.txt”:

Minimum cost walk from 1 to 100:

1 -> 7317 -> 460 -> 6010 -> 5295 -> 4560 -> 5513 -> 8467 -> 3517 -> 99 -> 9159 -> 6840 -> 5177  
-> 7133 -> 288 -> 100

Cost of the above minimum cost walk: 344

Minimum cost walk from 100 to 1:

100 -> 4442 -> 3980 -> 1974 -> 407 -> 4489 -> 5162 -> 2008 -> 3631 -> 2305 -> 8336 -> 1

Cost of the above minimum cost walk: 238

For the file "graph100k.txt":

Minimum cost walk from 1 to 100:

1 -> 99842 -> 59480 -> 5210 -> 19068 -> 66428 -> 33692 -> 97073 -> 23675 -> 73057 -> 100

Cost of the above minimum cost walk: 304

Minimum cost walk from 1 to 100:

100 -> 85636 -> 77467 -> 52472 -> 38155 -> 40962 -> 34650 -> 29215 -> 35260 -> 1

Cost of the above minimum cost walk: 361