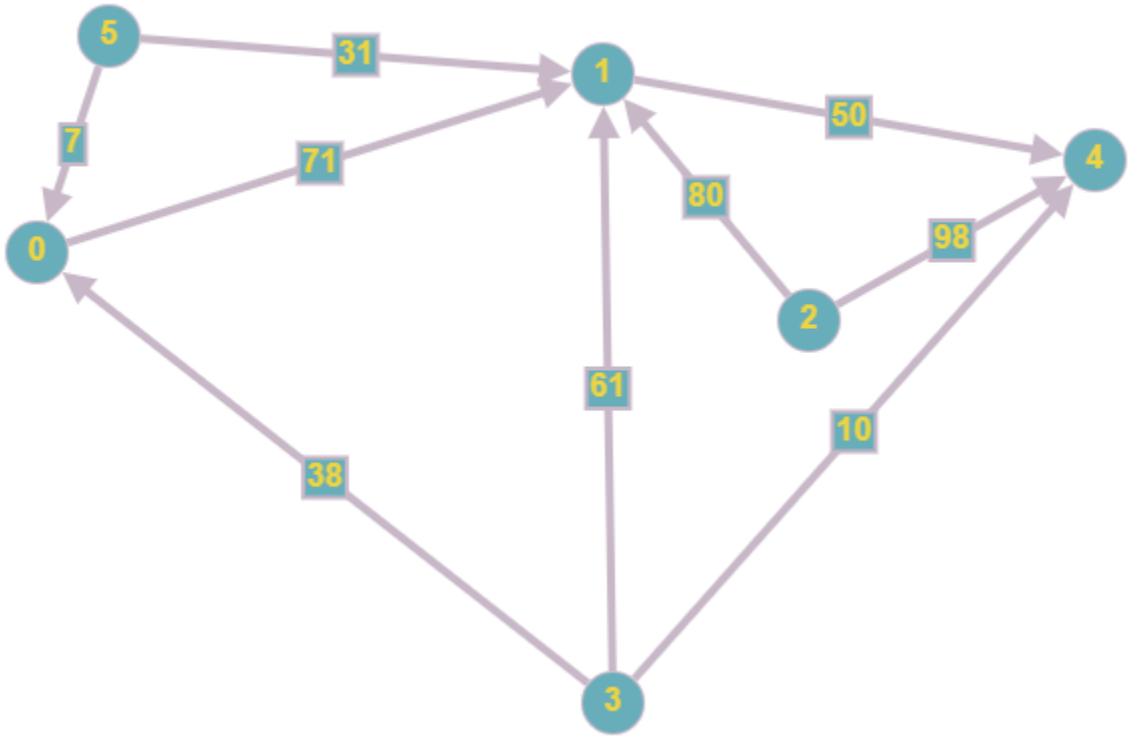
Directed graph with 6 nodes and 9 edges



The input file is:

```
6 9
3 0 38
2 1 80
0 1 71
5 0 7
1 4 50
2 4 98
3 4 10
5 1 31
3 1 61
```

Dictionary_cost = {(3, 0): 38, (2, 1): 80, (0, 1): 71, (5, 0): 7, (1, 4): 50, (2, 4): 98, (3, 4): 10, (5, 1): 31, (3, 1): 61}

Dictionary_in = {0: [3, 5], 1: [2, 0, 5, 3], 2: [], 3: [], 4: [1, 2, 3], 5: []}

Dictionary_out = {0: [1], 1: [4], 2: [1, 4], 3: [0, 4, 1], 4: [], 5: [0, 1]}

Topological sorts:

235014 253014 325014 352014 523014 532014 350214 530214

Highest cost paths:

$0 \xrightarrow{71} 1$ (71)

$0 \xrightarrow{71} 1 \xrightarrow{50} 4$ (121)

$1 \xrightarrow{50} 4$ (50)

$2 \xrightarrow{80} 1$(80)

$2 \xrightarrow{80} 1 \xrightarrow{50} 4$ (130)

$3 \xrightarrow{38} 0$ (38)

$3 \xrightarrow{38} 0 \xrightarrow{71} 1$ (109)

$3 \xrightarrow{71} 0 \xrightarrow{38} 1 \xrightarrow{50} 4$ (159)

$5 \xrightarrow{7} 0$ (7)

$5 \xrightarrow{7} 0 \xrightarrow{71} 1$ (78)

$5 \xrightarrow{7} 0 \xrightarrow{71} 1 \xrightarrow{50} 4$ (128)