Lecture 22.

Homework:

p 108: 5.8, 5.9(c)

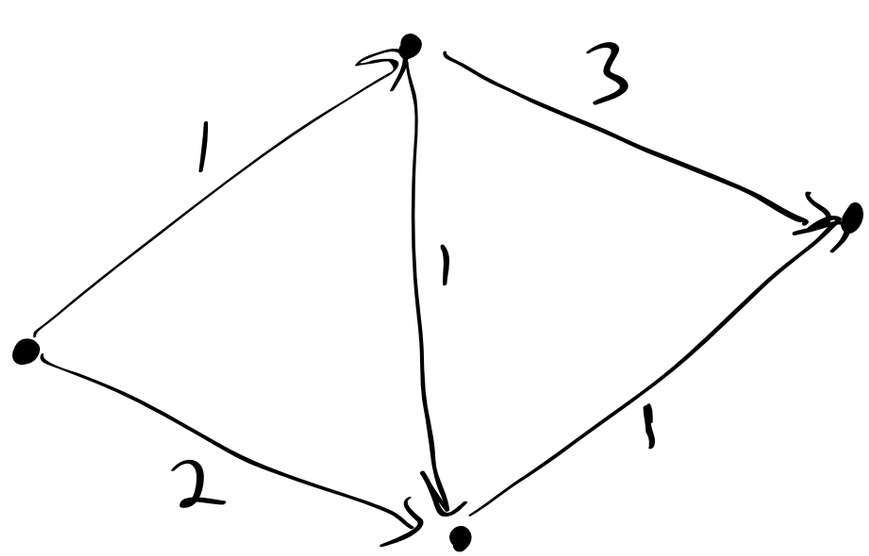
p 135: 6.4, 6.11, 6.13

p 167: 8.4

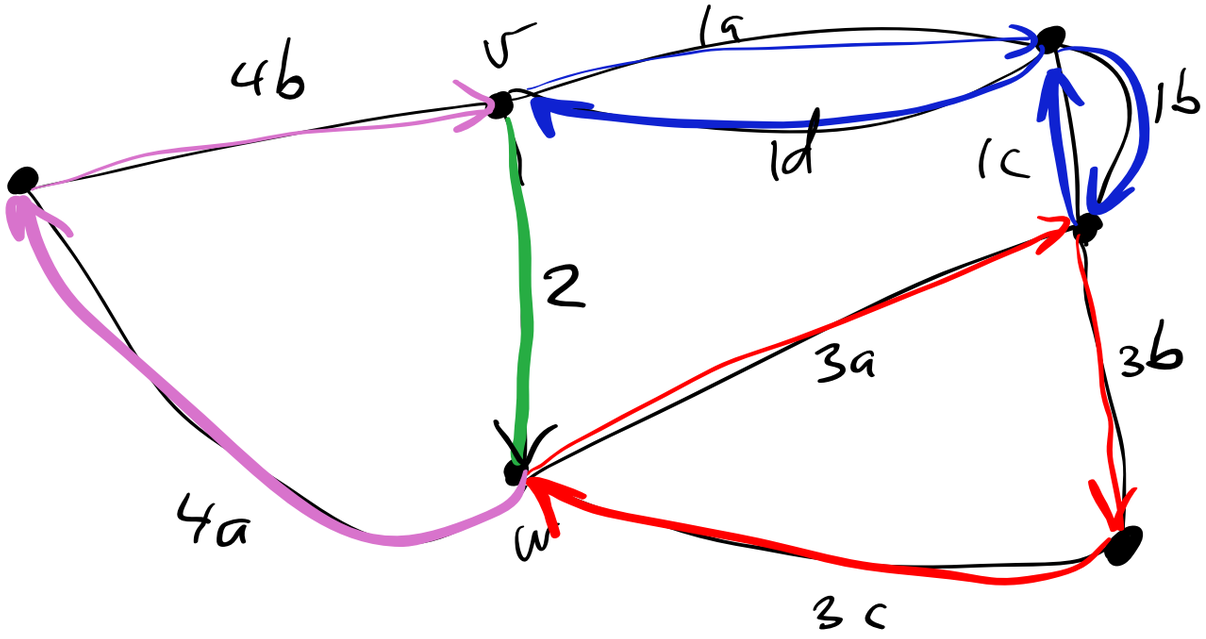
Weighted digraphs

min cost path.

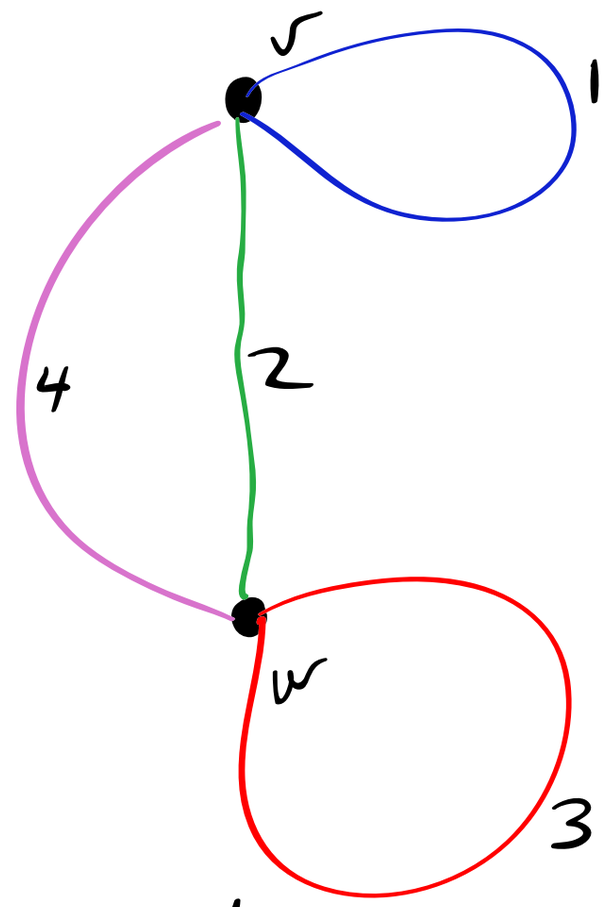
Scheduling.



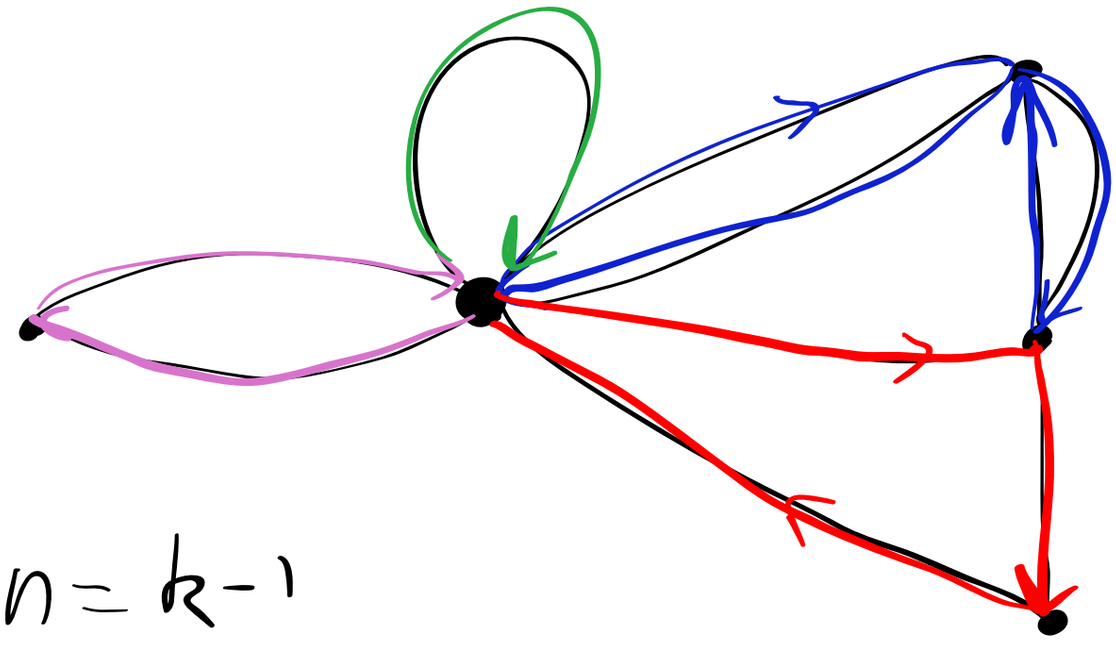
arcs represent tasks.
weights = days to completion.



$n = k$

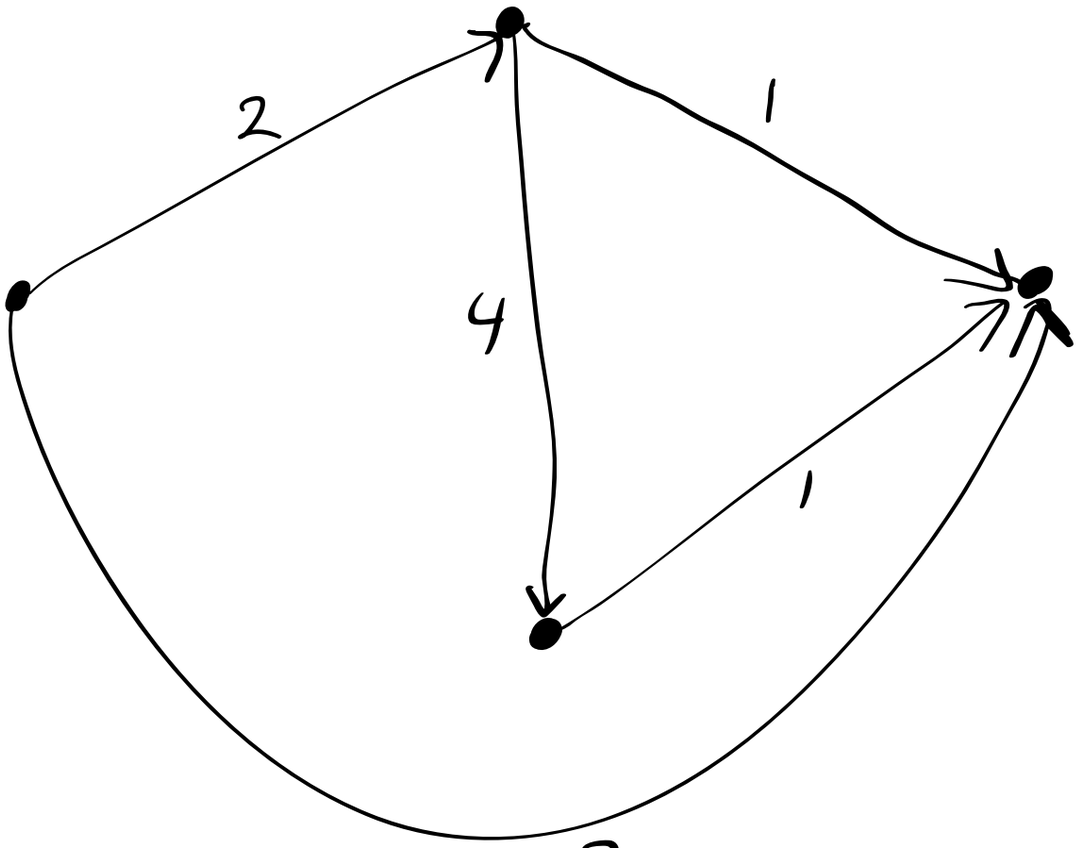


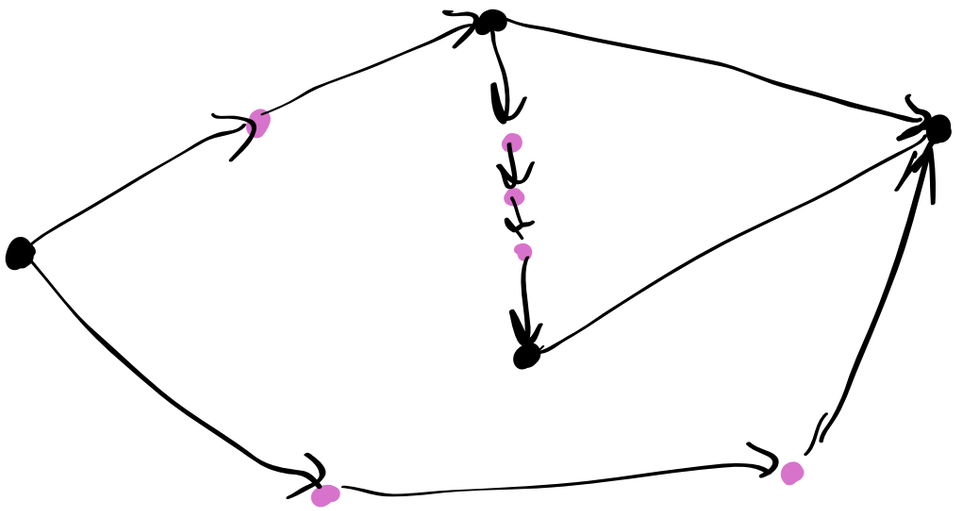
used $n = 2$

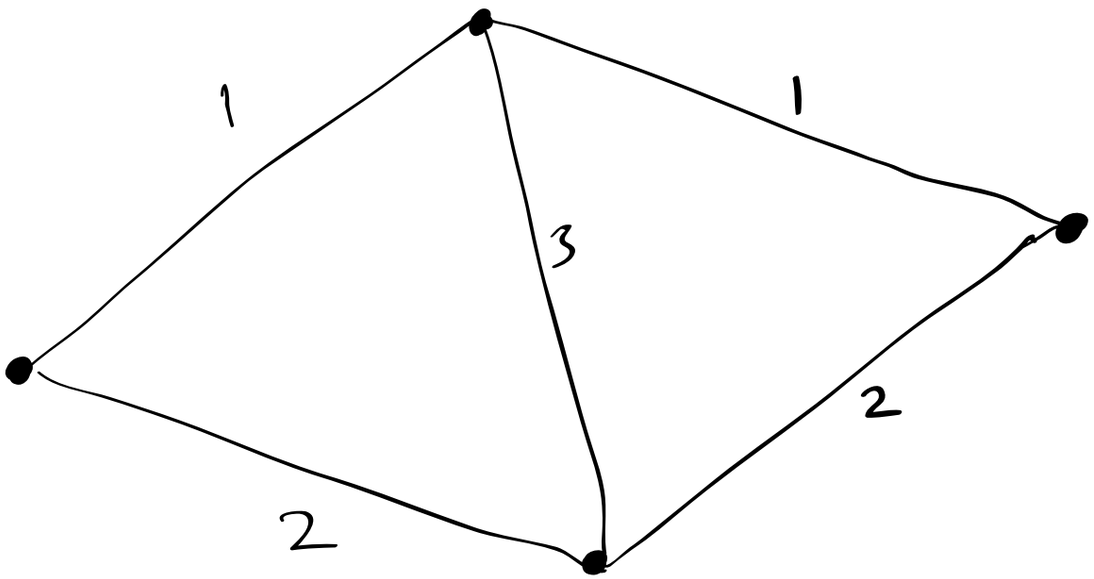


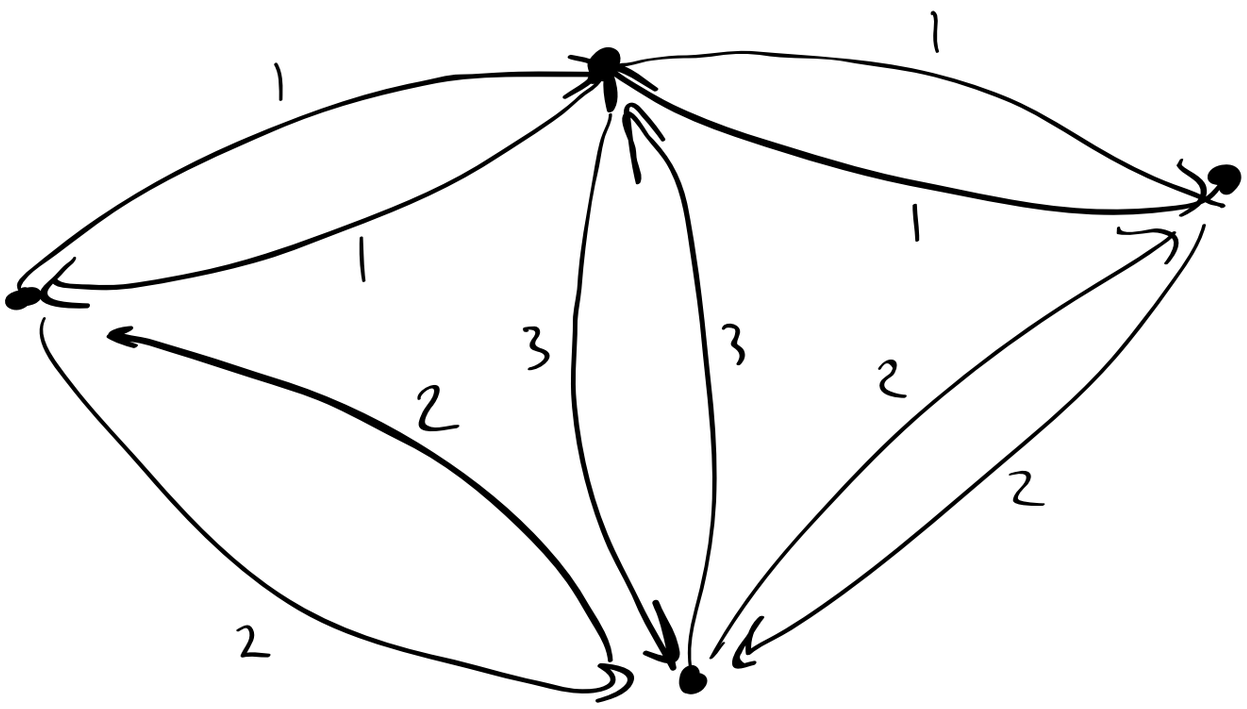
used: $n = k-1$

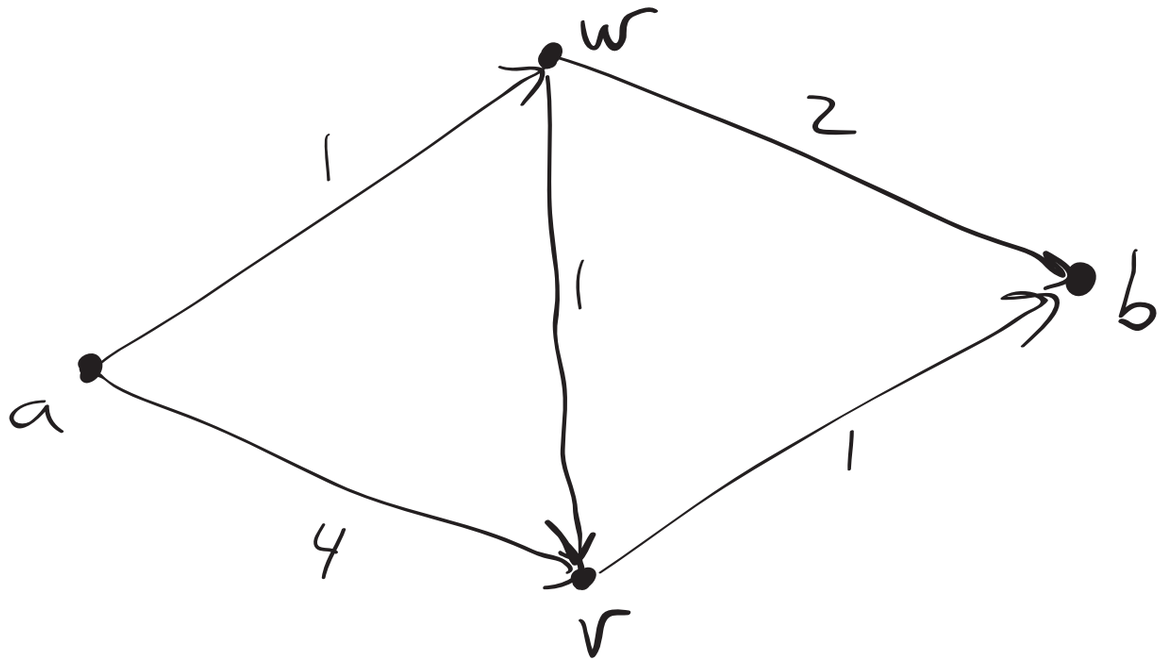
weighted digraphs. – natural number weights.



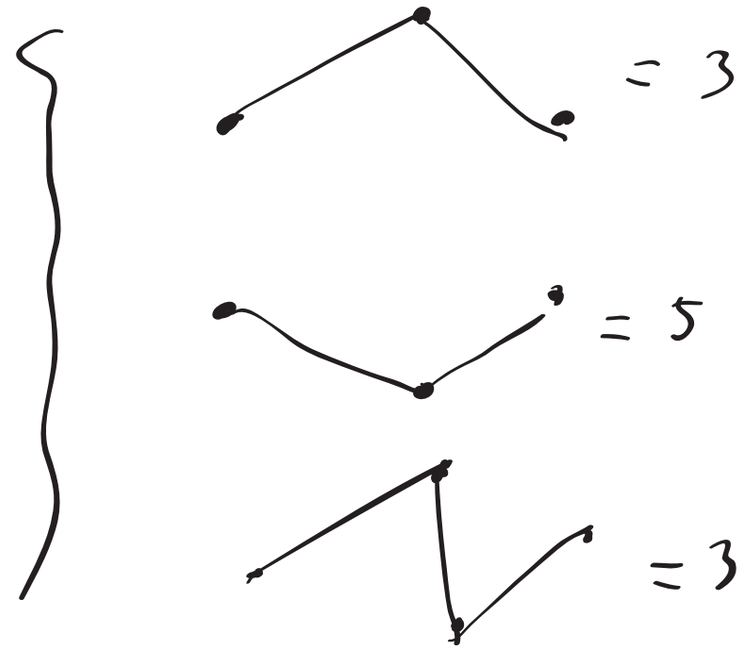



1
1
3
2
2


1
1
1
1
3
3
2
2
2
2



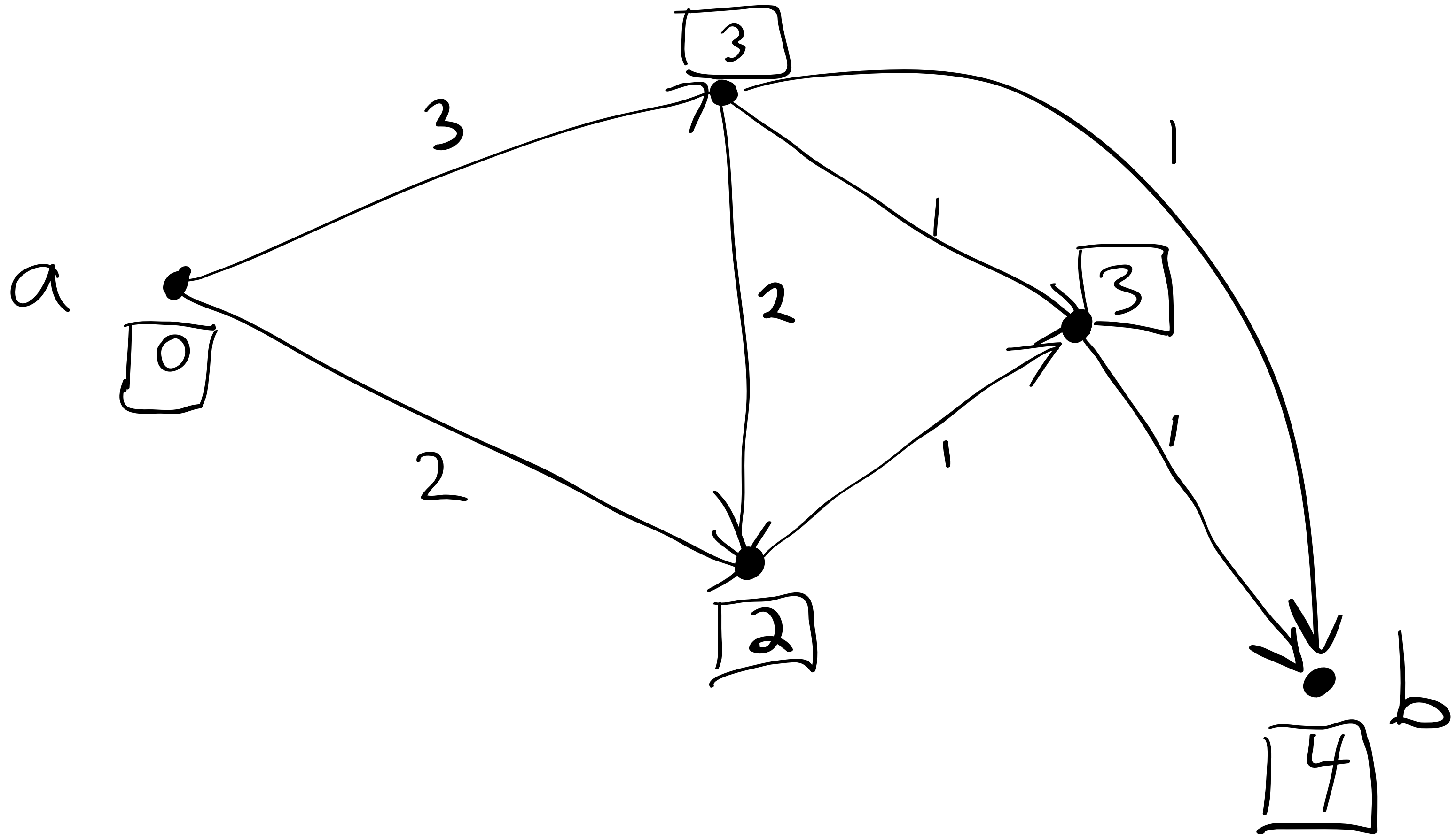
a to v?
a to w?

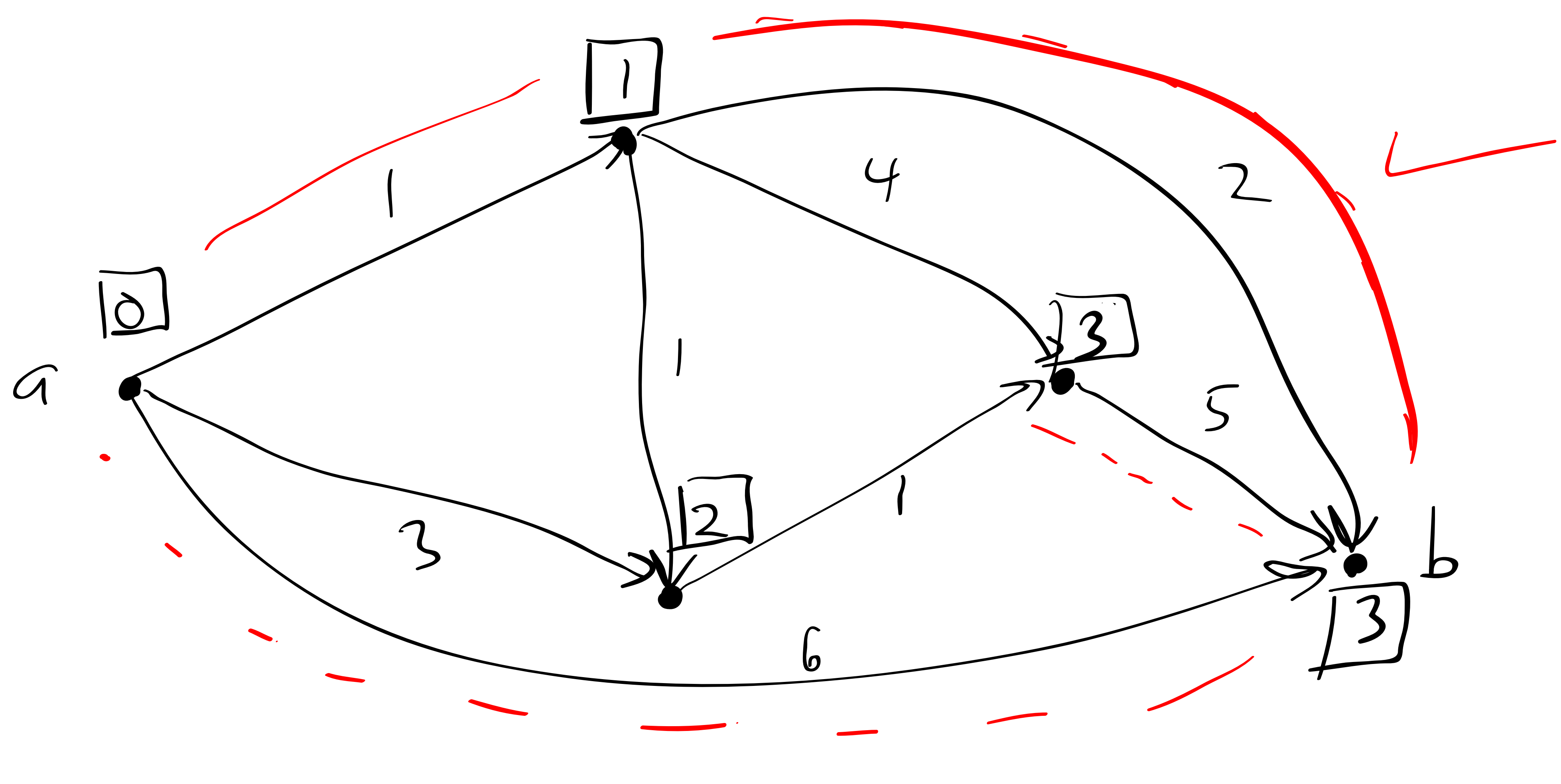


How to find path from a to b with minimal cost.

Cost of a path is the sum of the weights of the edges in the path.

Best possible is cost = 3.





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