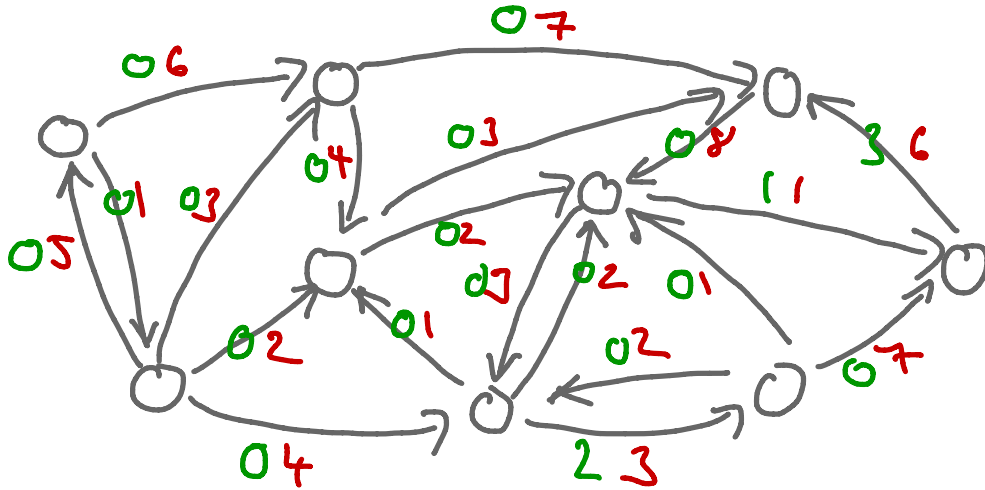


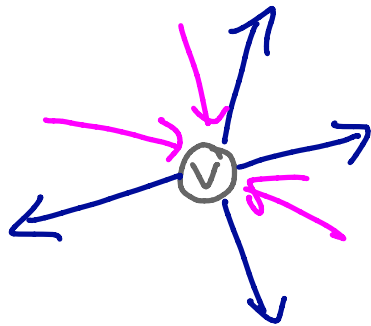
CAO 17.10.17

[9]



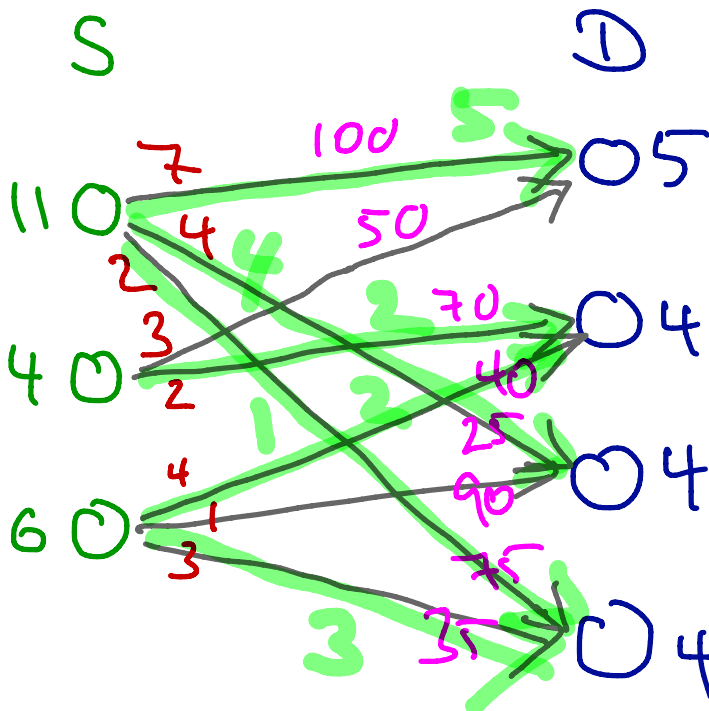
u
 l

[10]



$\sigma^{out}(v)$
 $\sigma^{in}(v)$

[11]



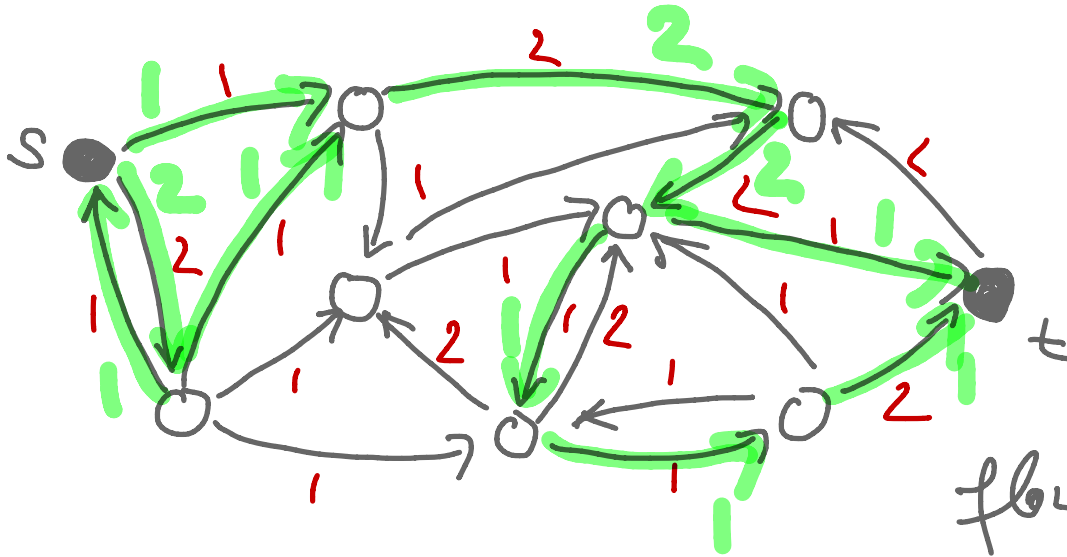
$l = 0$ u
 r δ c

\neq

Cost of this solution:

$5 \cdot 100 + 4 \cdot 25 + \dots$

[12]

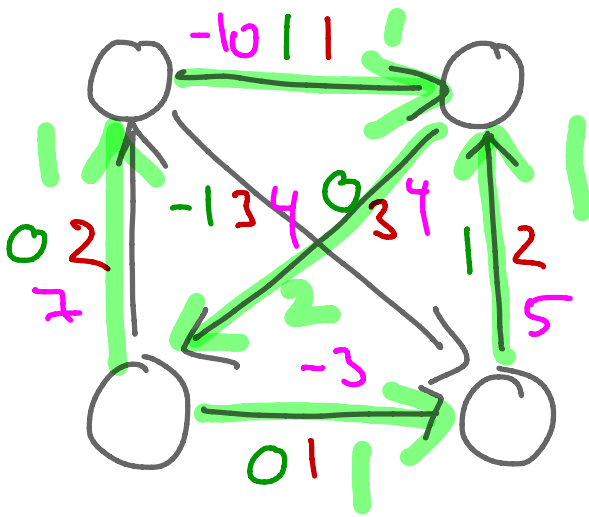


u
 $l = 0$

f

flow value: 2

[13]



c u l

f

cost of this
circulation

$$-10 \cdot 1 + 5 \cdot 1 + (-3) \cdot 1 + 7 \cdot 1 + 4 \cdot 2 = 7$$

The transportation problem is a special case of the min-cost circulation problem:

