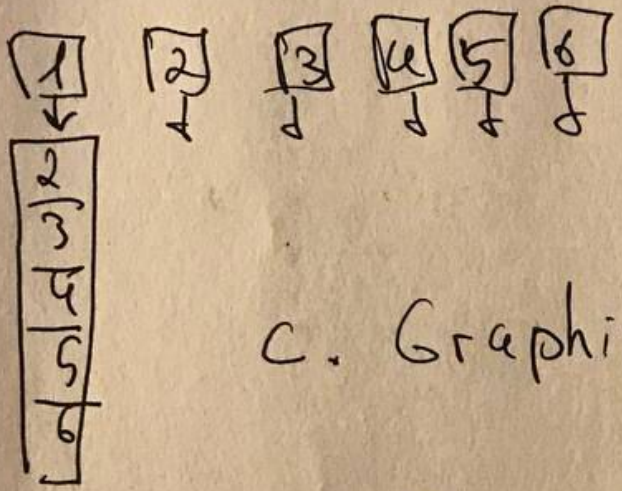
a) Adjazenzmatrix

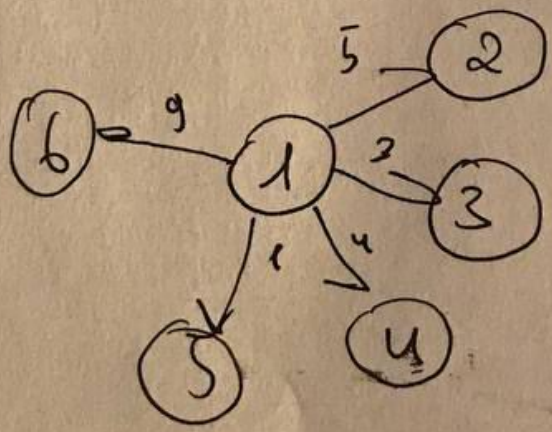
a.

	1	2	3	4	5	6
1	0	5	3	11	1	9
2	0	0	0	0	0	0
3	6	0	6	0	0	0
4	0	0	0	0	0	0
5	0	0	0	0	0	0
6	0	0	0	0	0	0

b. Adjazenzliste



c. Graphische Darstellung



d.

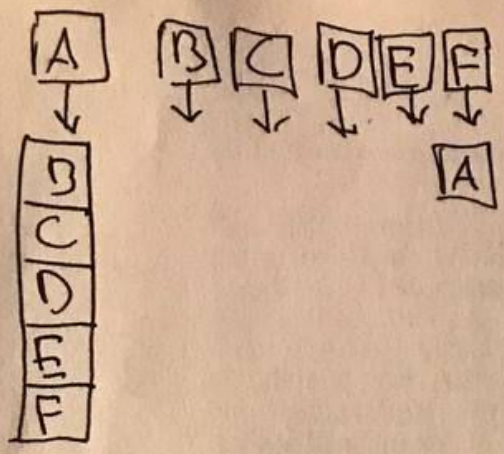
$G = \{V, \bar{X}, W\}$

$V = \{1, 2, 3, 4, 5, 6\}$

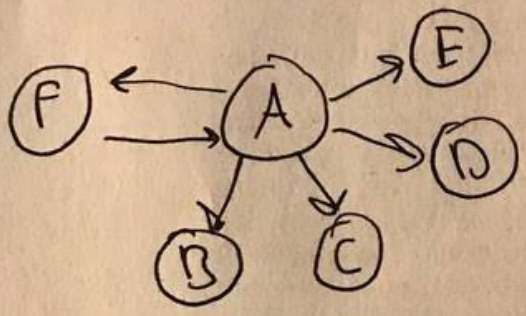
$\bar{X} = \{(1,2,5), (1,3,3), (1,4,11), (1,5,1), (1,6,9)\}$

$W = \{5, 3, 11, 1, 9\}$ - gewichte

3. a. Adjazenzliste



b Graphische Darstellung



c Adjazenzmatrix

	A	B	C	D	E	F
A	0	1	1	1	1	1
B	0	0	0	0	0	0
C	0	0	0	0	0	0
D	0	0	0	0	0	0
E	0	0	0	0	0	0
F	1	0	0	0	0	0

d $G = \{V, \bar{X}\}$

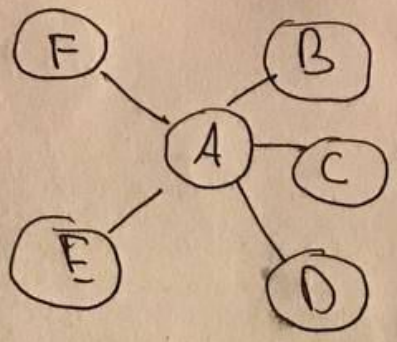
$V = \{A, B, C, D, E, F\}$

$\bar{X} = \{(A,B)(A,C)(A,D)(A,E)(A,F),(F,A)\}$

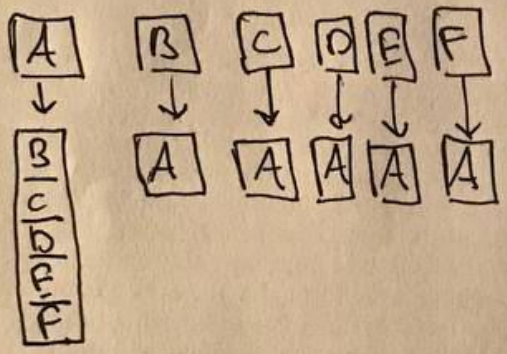
Timofei Borisov

2.

a.



b. Adjazenzliste



c. $G = \{V, \bar{X}\}$

$V = \{A, B, C, D, E, F\}$

$\bar{X} = \{(A,B), (A,C), (A,D)$
$(A,E), (A,F), (B,A), (C,A),$
$(D,A), (E,A), (F,A)\}$

d. Adjazenz matrix

	A	B	C	D	E	F
A	0	1	1	1	1	1
B	1	0	0	0	0	0
C	1	0	0	0	0	0
D	1	0	0	0	0	0
E	1	0	0	0	0	0
F	1	0	0	0	0	0