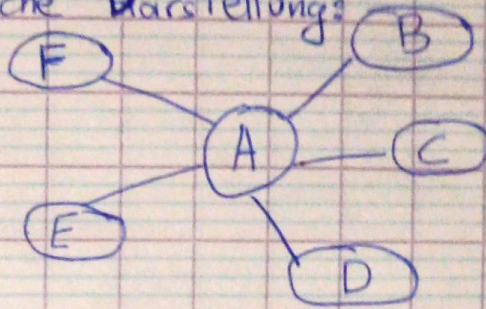


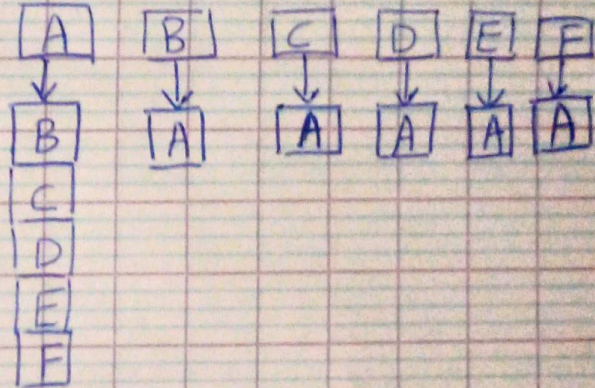
# Aufgabenblatt 3

2. a) Grafische Darstellung:



M. Neji  
Ghazouani

b) Adjazenzliste:



c) Algebraische Darstellung:

$$G = \{V, \vec{X}\}$$

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

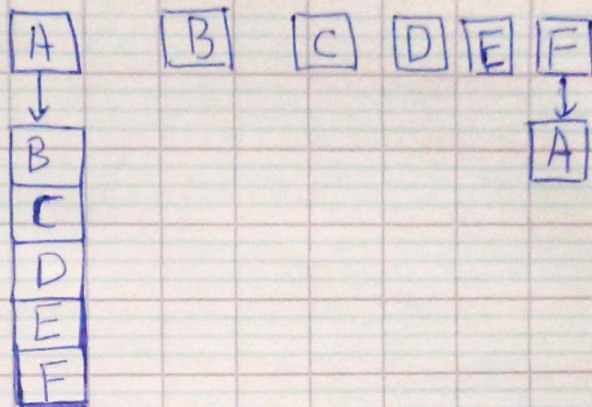
$$\vec{X} = \{(A, B), (A, C), (A, D), (A, E), (A, F), (B, A), (C, A), (D, A), (E, A), (F, A)\}$$

d) Adjazenzmatrix:

	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

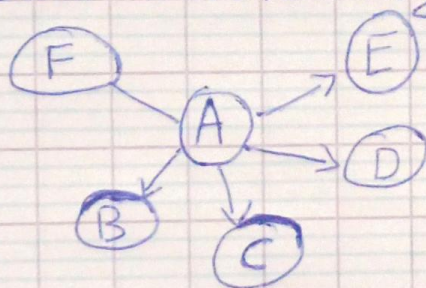


3. a) Adjazenzliste:



M. Negi  
Ghazvani

b) Grafische Darstellung:



c) Adjazenzmatrix:

	A	B	C	D	E	F
A	1	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)  $G = \{V, \vec{X}\}$   
 Algebraische Darstellung  $V = \{A, B, C, D, E, F\}$   
 $\vec{X} = \{(A, B), (A, C), (A, D), (A, E), (A, F), (F, A)\}$

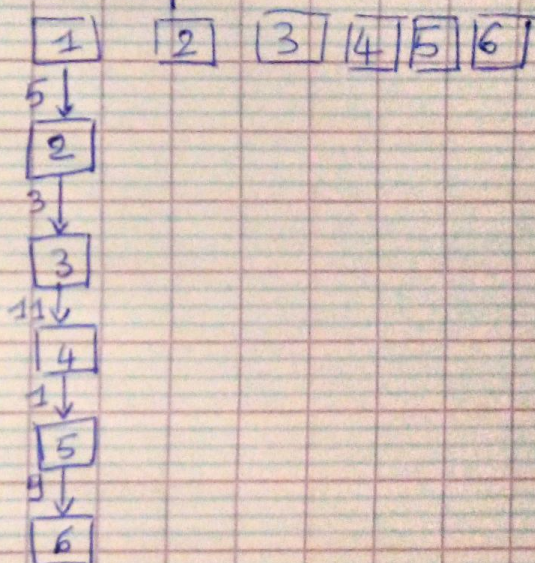


4. a) Adjazenzmatrix:

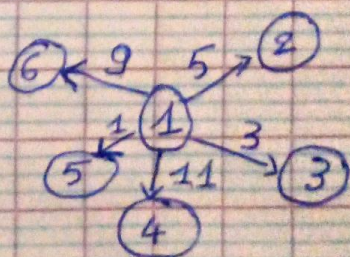
M. Neji  
Gharzouani

	1	2	3	4	5	6
1	0	5	3	11	1	9
2	0	0	0	0	0	0
3	0	0	0	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) Grafische Darstellung:



d) Algebraische Darstellung:

$$G = (V, \vec{X}, w)$$

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

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

$$w \text{ (Kantengewicht)} = \{5, 3, 11, 1, 9\}$$