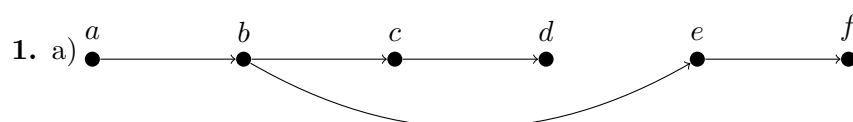


Hausaufgaben zum 24./25. November 2011

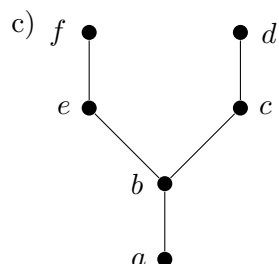
Elena Noll, Sven-Hendrik Haase, Arne Feil

24. November 2011

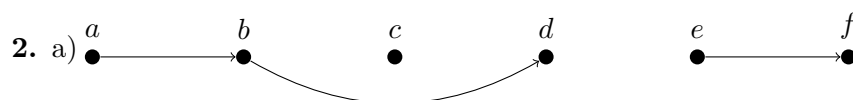


	a	b	c	d	e	f
a	0	1	0	0	0	0
b	0	0	1	0	1	0
c	0	0	0	1	0	0
d	0	0	0	0	0	0
e	0	0	0	0	0	1
f	0	0	0	0	0	0

b) $(a, a), (b, b), (c, c), (d, d), (e, e), (f, f), (a, c), (b, d), (a, d), (b, f), (a, e), (a, f)$

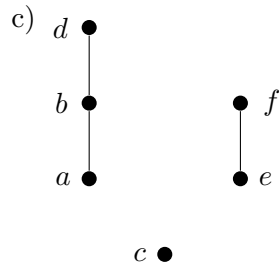


d) $(a, a), (b, b), (c, c), (d, d), (e, e), (f, f), (a, c), (b, d), (a, d), (b, f), (a, e), (a, f), (b, a), (c, b), (e, b), (f, e), (c, a), (d, b), (d, a), (f, b), (e, a), (f, a)$



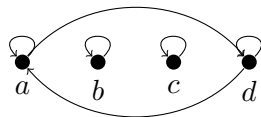
	a	b	c	d	e	f
a	0	1	0	0	0	0
b	0	0	0	1	0	0
c	0	0	0	0	0	0
d	0	0	0	0	0	0
e	0	0	0	0	0	1
f	0	0	0	0	0	0

b) $(a, a), (b, b), (c, c), (d, d), (e, e), (f, f), (a, d)$

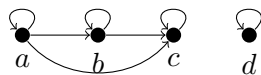


d) $(a, a), (b, b), (c, c), (d, d), (e, e), (f, f), (a, d), (b, a), (d, b), (f, e), (d, a)$

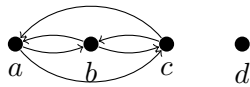
3. a) $R = \{(a, a), (b, b), (c, c), (d, d), (a, d), (d, a)\}$



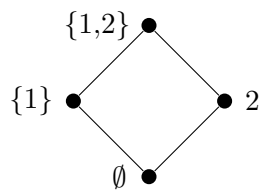
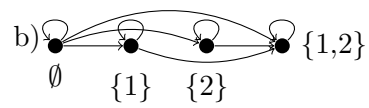
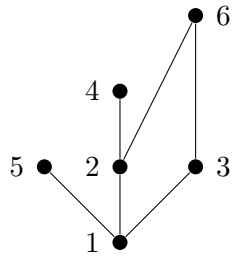
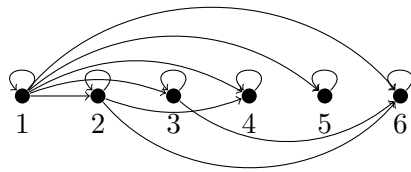
b) $R = \{(a, a), (b, b), (c, c), (d, d), (a, b), (b, c), (a, c)\}$



c) $R = \{(a, b), (b, c), (a, c), (b, a), (c, b), (c, a)\}$



4. a) $R = \{(1, 1), (1, 2), (1, 3), (1, 4), (1, 5), (1, 6), (2, 2), (2, 4), (2, 6), (3, 3), (3, 6), (4, 4), (5, 5), (6, 6)\}$



c) $A = \mathcal{P}(M) = \{\emptyset, \{1\}, \{2\}, \{3\}, \{1,2\}, \{1,3\}, \{2,3\}, \{1,2,3\}\}$

