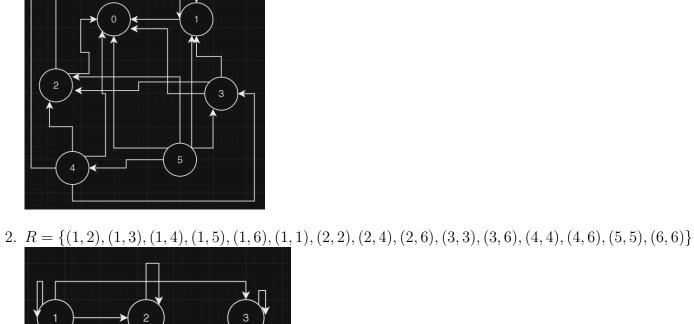
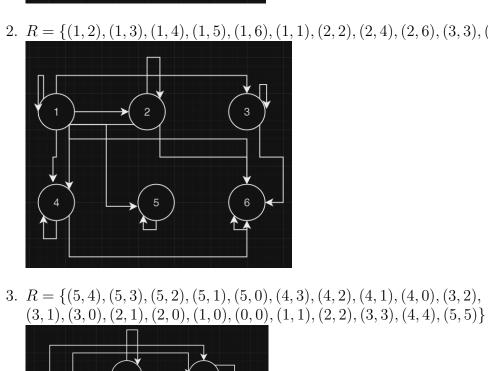
Relation Homework

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Exercises for Section 16.1 $1. \ \ \underline{R = \{(5,4),(5,3),(5,2),(5,1),(5,0),(4,3),(4,2),(4,1),(4,0),(3,2),(3,1),(3,0),(2,1),(2,0),(1,0)\}}$





 $9 = 2^{36}$ $11 = 2^{|A|x|A|}$ Exercises for Section 16.2 1.

5. $A = \{0, 1, 2, 3, 4, 5\}, B = \{(1, 2), (2, 5), (3, 3), (4, 3), (4, 2), (5, 0)\}$

4. $A = \{0, 1, 2, 3, 4, 5\},\ B = \{(0, 0), (0, 4), (1, 1), (1, 3), (2, 2), (2, 4), (3, 3), (3, 1), (4, 4), (4, 0), (4, 2), (5, 5), (5, 1)\}$

4. 5. 7

2.

3.

13

15

1.

3

9

11

1.

11 12

16 Exercises for Section 16.3

6

1. 2. 3.

Exercises for Section 16.4

Exercises for Section 16.5

3 4 5 6