3·2·2

A

NWD (36, 48)

2·2·2·3·3·3

NWW (24, 18)

36	2
18	2
9	3
3	3
1	2
	2

48	2
24	2
12	2
6	2
3	3
1	3

2·2·2·3

B

NWD (72, 48)

2·2·2·3·3

NWW (32, 48)

72	2
36	2
18	2
9	3
3	3
1	2

48	2
24	2
12	2
6	2
3	3
1	3

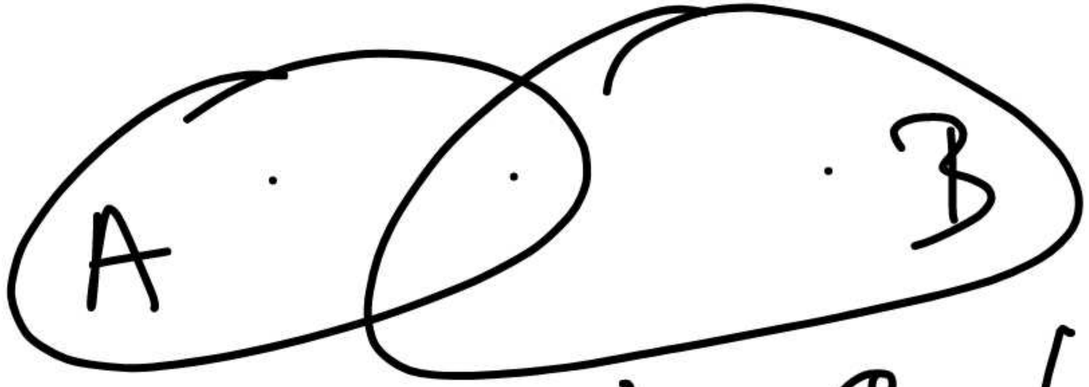
Zbiory

$a \in A$ (element a należy do zbioru A)

$b \notin B$ (element b nie należy do zbioru B)

$x \in A \cup B$ suma zbiorów

$x \in A \cup B \iff x \in A$ <u>lub</u> $x \in B$

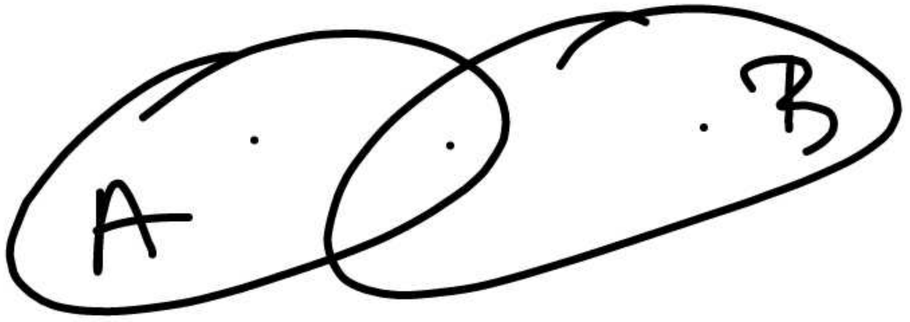


$A = \{1, 2, 3\}$ $B = \{3, 4, 5\}$

$A \cup B = \{1, 2, 3, 4, 5\}$

$A \cap B$ część wspólna (iloczyn zbiorów)

$x \in A \cap B \iff x \in A$ i $x \in B$

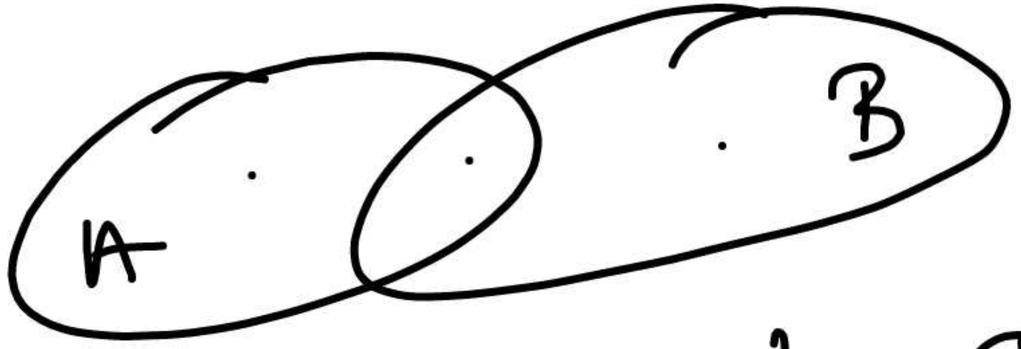


$A = \{1, 2, 3\}$ $B = \{3, 4, 5\}$

$A \cap B = \{3\}$

$A \setminus B$ różnica zbiorów

$x \in A \setminus B \iff x \in A$ i $x \notin B$



$A = \{1,2,3\}$ $B = \{3,4,5\}$

$A \setminus B = \{1,2\}$ $B \setminus A = \{4,5\}$

Zadanie domowe

$A = \{1, 3, 5, 6, 7, 9, 10\}$

$B = \{1, 2, 4, 6, 8, 10\}$

$A \cup B$, $A \cap B$, $A \setminus B$, $B \setminus A$