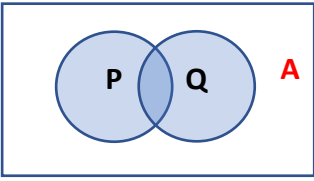
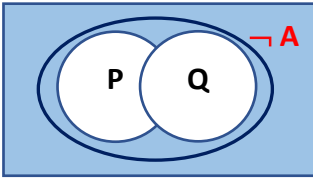
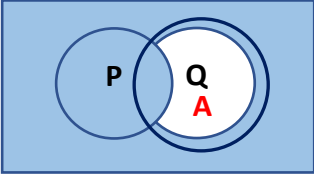
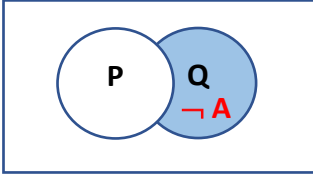
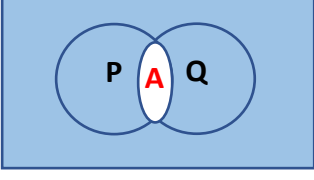
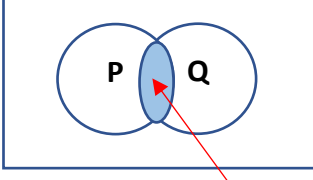
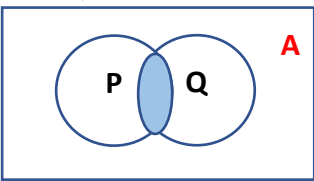
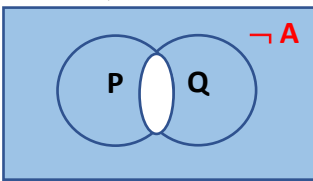
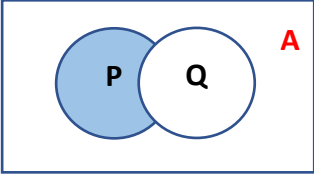
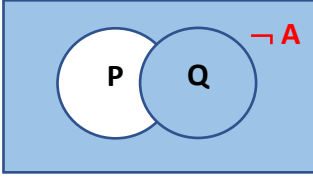
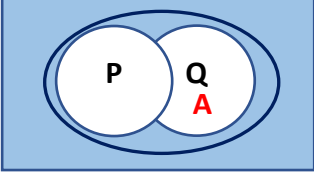
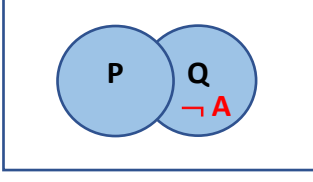
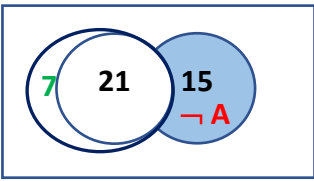
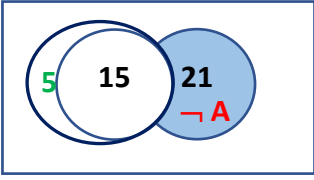


Делители

	A	$\neg A$
$P \vee Q$	$A \vee P \vee Q = 1$  $A = \text{не вычисляется}$	$\neg A \vee P \vee Q = 1$  $A = \min(P, Q)$
$P \vee \neg Q$	$A \vee P \vee \neg Q = 1$  $A = Q$	$\neg A \vee P \vee \neg Q = 1$ 
$\neg P \vee \neg Q$	$A \vee \neg P \vee \neg Q = 1$  $A = \text{НОК}(P, Q)$	$\neg A \vee \neg P \vee \neg Q = 1$  $A = \text{не вычисляется}$
$P \wedge Q$	$A \vee P \wedge Q = 1$  $A = \text{не вычисляется}$	$\neg A \vee P \wedge Q = 1$  $A = \text{НОК}(P, Q)$
$P \wedge \neg Q$	$A \vee P \wedge \neg Q = 1$  $A = \text{не вычисляется}$	$\neg A \vee P \wedge \neg Q = 1$  $A = \text{не вычисляется}$
$\neg P \wedge \neg Q$	$A \vee \neg P \wedge \neg Q = 1$  $A = \text{НОД}(P, Q)$	$\neg A \vee \neg P \wedge \neg Q = 1$  $A = \text{не вычисляется}$

Примеры

Обозначим через $\text{ДЕЛ}(n, m)$ утверждение «натуральное число n делится без остатка на натуральное число m ».

№ задачи	Тест примера	Ответ
1	$A \vee P \vee \neg Q = 1$ $\text{Дел}(x, A) \vee \text{Дел}(x, 15) \vee \neg \text{Дел}(x, 21) = 1$	21
2	$A \vee \neg P \vee \neg Q = 1$ $\text{Дел}(x, A) \vee \neg \text{Дел}(x, 15) \vee \neg \text{Дел}(x, 21) = 1$ $15 = 3 \times 5$ $21 = 3 \times 7$ $\text{НОК}(15, 21) = 3 \times 5 \times 7 = 105$	105
3	$A \vee \neg P \wedge \neg Q = 1$ $\text{Дел}(x, A) \vee \neg \text{Дел}(x, 15) \wedge \neg \text{Дел}(x, 21) = 1$ $15 = 3 \times 5$ $21 = 3 \times 7$ $\text{НОД}(15, 21) = 3$	3
4	$\neg A \vee P \vee Q = 1$ $\neg \text{Дел}(x, A) \vee \text{Дел}(x, 15) \vee \text{Дел}(x, 21) = 1$ $A = \min(15, 21) = 15$	15
5	$\neg A \vee P \vee \neg Q = 1$ $\neg \text{Дел}(x, A) \vee \neg \text{Дел}(x, 15) \vee \text{Дел}(x, 21) = 1$ $15 = 3 \times 5$ $21 = 3 \times 7$ 	7
	$\neg \text{Дел}(x, A) \vee \neg \text{Дел}(x, 21) \vee \text{Дел}(x, 15) = 1$ $15 = 3 \times 5$ $21 = 3 \times 7$ 	5
	$\neg \text{Дел}(x, A) \vee \text{Дел}(x, 42) \vee \neg \text{Дел}(x, 28) = 1$ $28 = 2 \times 2 \times 7$ $42 = 2 \times 3 \times 7$	3
	$\neg \text{Дел}(x, A) \vee \text{Дел}(x, 18) \vee \neg \text{Дел}(x, 21) = 1$ $21 = 3 \times 7$ 21 42 63 84 ... $18 = 2 \times 3 \times 3$	18
6	$\neg A \vee P \wedge Q = 1$ $\neg \text{Дел}(x, A) \vee \text{Дел}(x, 15) \wedge \text{Дел}(x, 21) = 1$ $15 = 3 \times 5$ $21 = 3 \times 7$ $\text{НОК}(15, 21) = 3 \times 5 \times 7 = 105$	105