

6 марта.

Домашняя работа.

Задание 1.

$$1) bc(bc^*) = \{ (bc)^n \mid n \geq 1 \}$$

$$2) (a + b^* + c)(c + d^*) = \{ xy \mid x \in \{a, \emptyset, b^n \mid n \geq 0\} \wedge y \in \{c, d^n \mid n \geq 0\} \}$$

$$3) (a + bc + d)^* = \{ y^n \mid y \in \{a, bc, d\} \wedge n \geq 0 \}$$

$$4) (a + b)(c + d)b = \{ xyb \mid x \in \{a, b\}, y \in \{c, d\} \}$$

$$5) (a)^*(b + c + d) = \{ a^n x \mid n \geq 0 \wedge x \in \{b, c, d\} \}$$

Задание 2.

$$4) a b(cd)^+$$

$$5) (ab + cd)(cd + ef)$$

Задание 3.

$$4) (a a a b b b b b + \text{Всё нечёт}^*)^*$$



$$5) ((a + b)(a + b)(a + b))^*$$

