

Домашнее задание 6
 СЛОЖЕНИЕ ЧИСЕЛ С ПЛАВАЮЩЕЙ ЗАПЯТОЙ
 Вариант 10

$$A = 30,84; B = 11,45.$$

1. Формат Ф1 (число разрядов мантиисы m=12).

$$A = (30,84)_{10} = (1E, D7)_{16} = (0, 1ED7)_{16} \cdot 16^2$$

0	1	0	0	0	0	1	0	0	0	1	1	1	1	0	1	1	0	1
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$$B = (11,45)_{10} = (B, 733)_{16} = (0, B733)_{16} \cdot 16^1$$

0	1	0	0	0	0	0	1	1	0	1	1	0	1	1	1	0	0	1	1
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$$\begin{array}{r} 1) \quad X_A = \quad _1 \quad 0 \quad 0 \quad 0 \quad 0 \quad 1 \quad 0 \\ \quad \quad X_B = \quad _1 \quad 0 \quad 0 \quad 0 \quad 0 \quad 0 \quad 1 \end{array}$$

$$(X_A - X_B)_{\text{доп.}} = \quad 0 \quad 0 \quad 0 \quad 0 \quad 0 \quad 0 \quad 1$$

$$(X_A - X_B) = 1; X_C = X_A = 2$$

- (а) Оба операнда положительные ($A > 0, B > 0$):

$$\begin{array}{r} 2,3) \quad M_A = \quad . \quad 0 \quad 0 \quad 0 \quad 1 \quad 1 \quad 1 \quad 1 \quad 0 \quad 1 \quad 1 \quad 0 \quad 1 \\ \quad \quad M_B = \quad . \quad 0 \quad 0 \quad 0 \quad 0 \quad 1 \quad 0 \quad 1 \quad 1 \quad 0 \quad 1 \quad 1 \quad 1 \\ \hline \quad \quad M_C = \quad . \quad 0 \quad 0 \quad 1 \quad 0 \quad 1 \quad 0 \quad 1 \quad 0 \quad 0 \quad 1 \quad 0 \quad 0 \end{array}$$