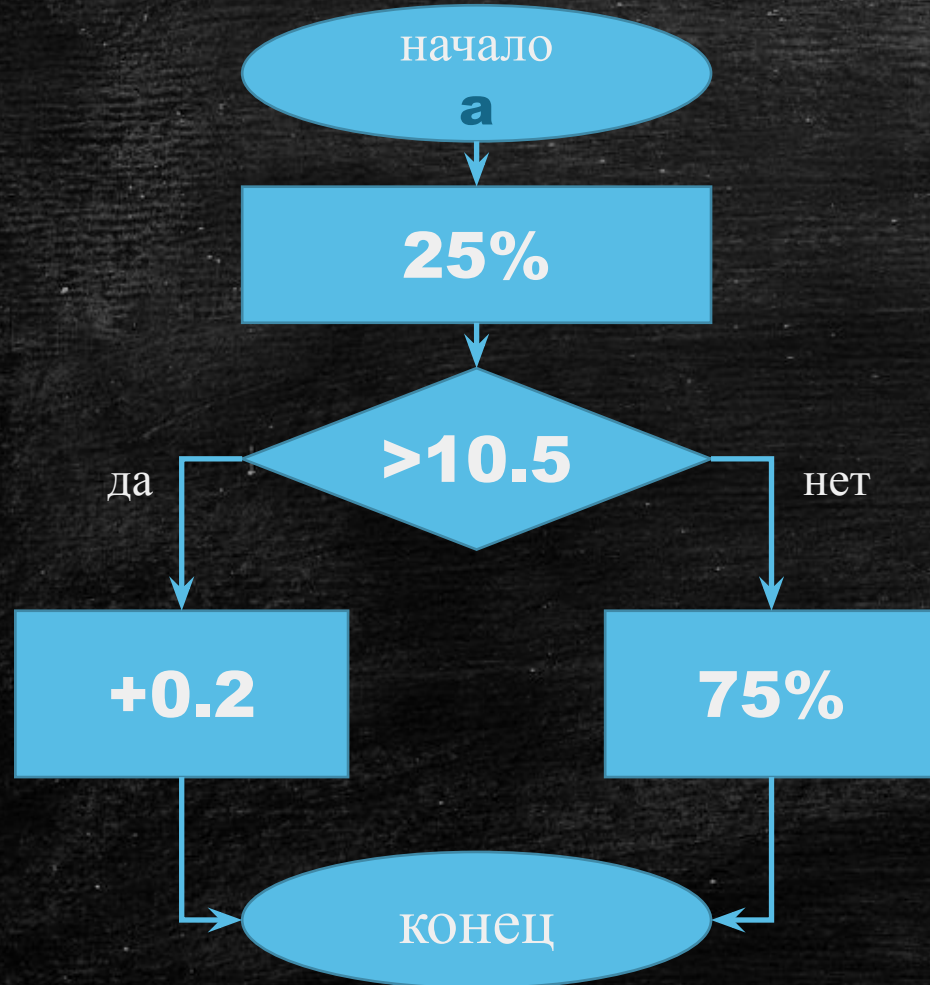


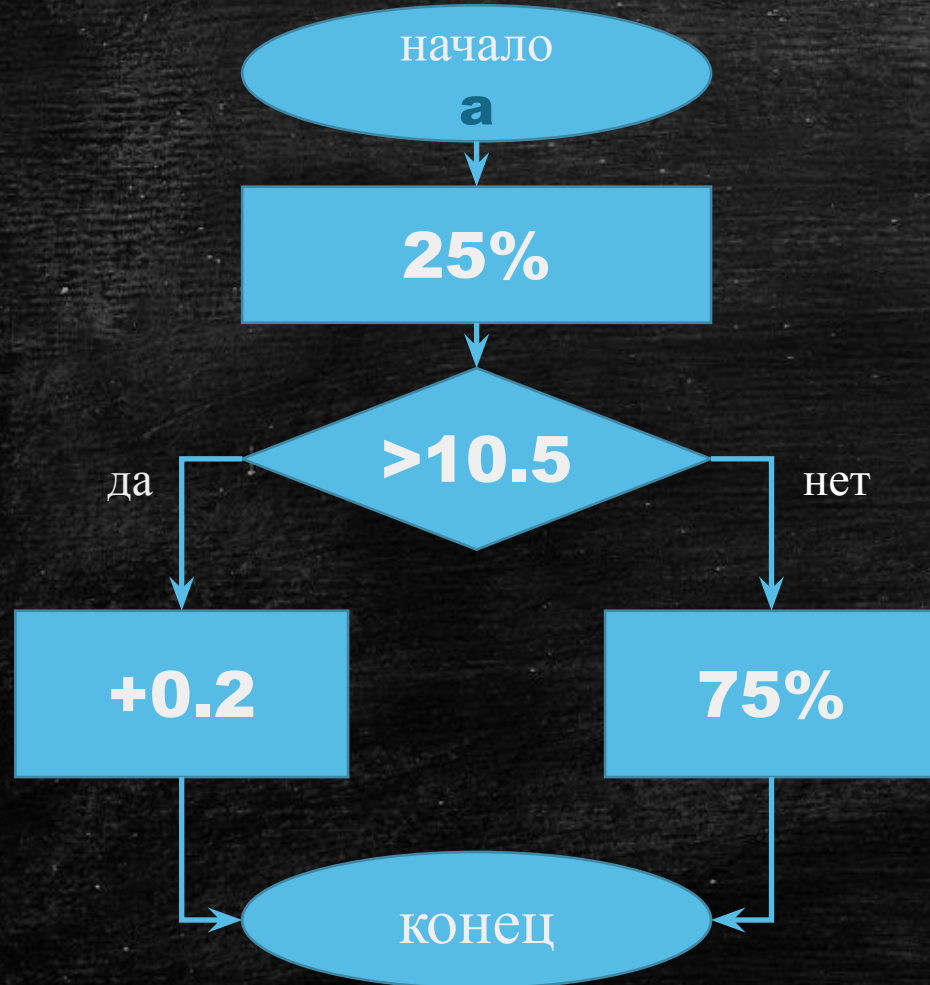
Элементы информатики и вычислительной техники на уроках математики

Лобанова Галина Павловна,
учитель математики УОР №2, Санкт-Петербург

Упражнение 1

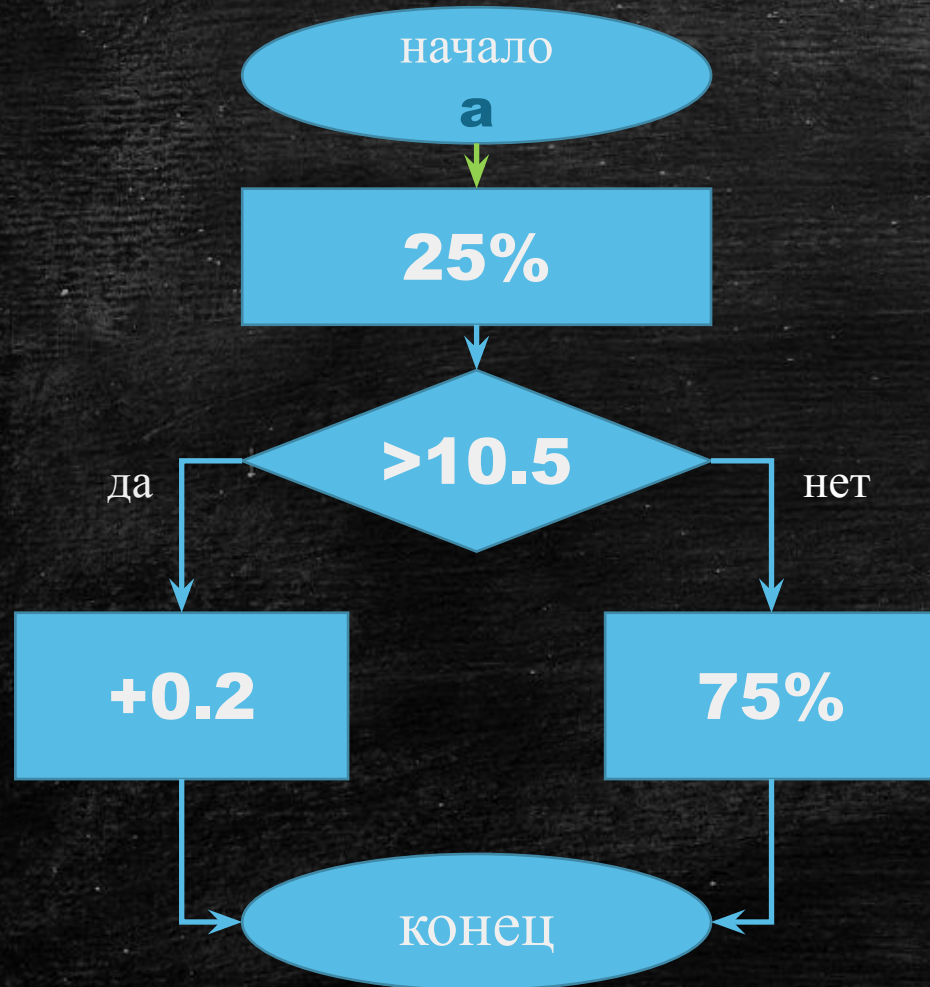


Упражнение 1.1



$$a = 40$$

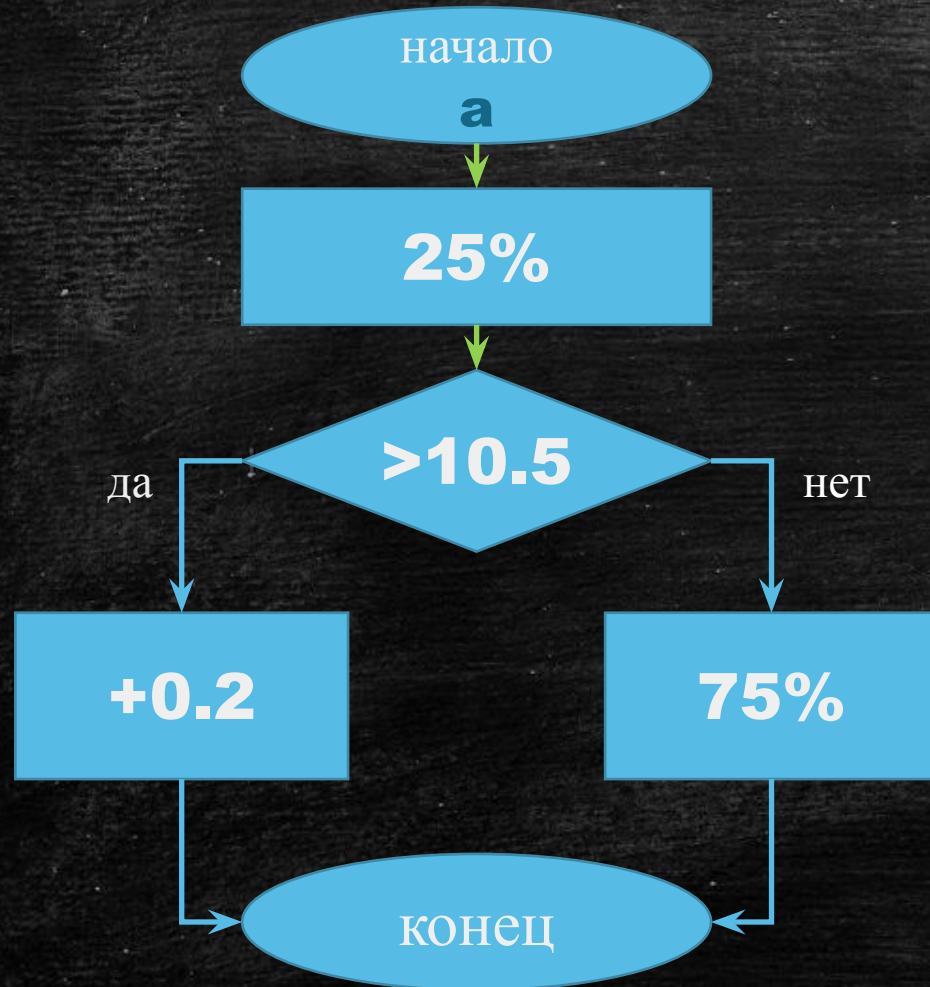
Упражнение 1.1



$$a = 40$$

$$40 \cdot 0.25 = 10.00 = 10$$

Упражнение 1.1

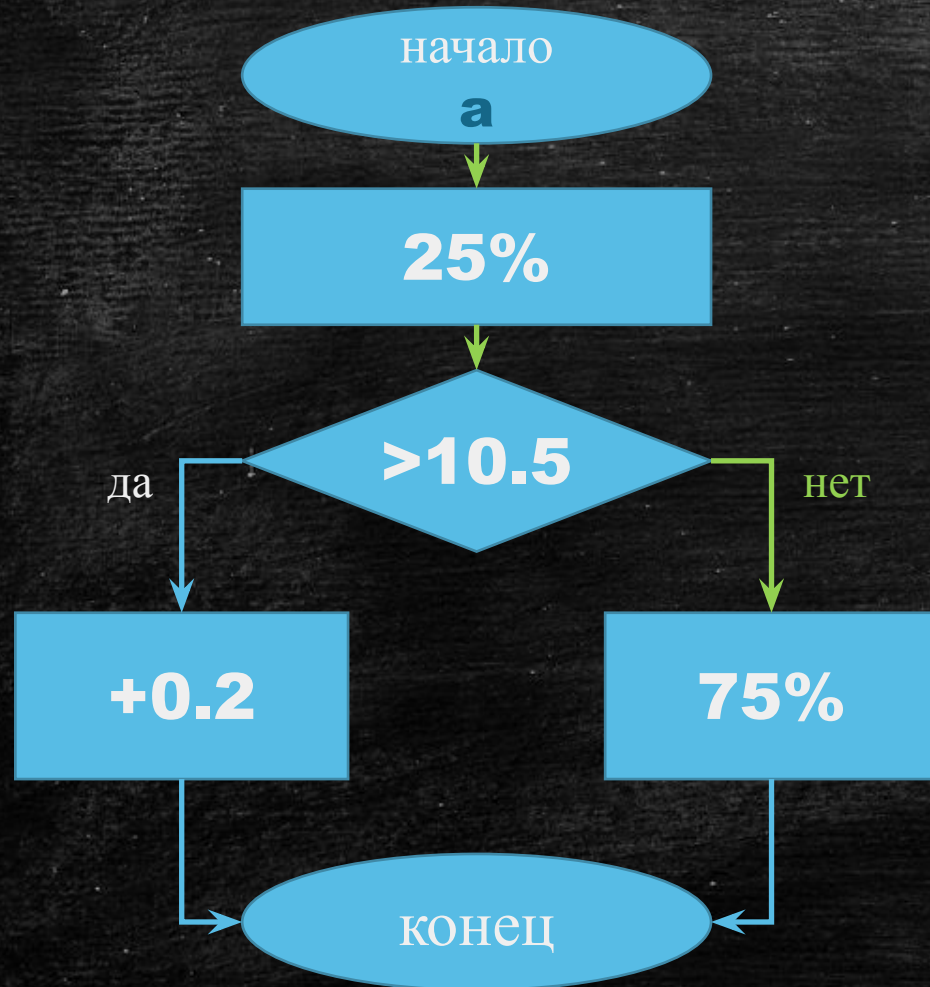


$$a = 40$$

$$40 \cdot 0.25 = 10$$

$$10 < 10.5$$

Упражнение 1.1



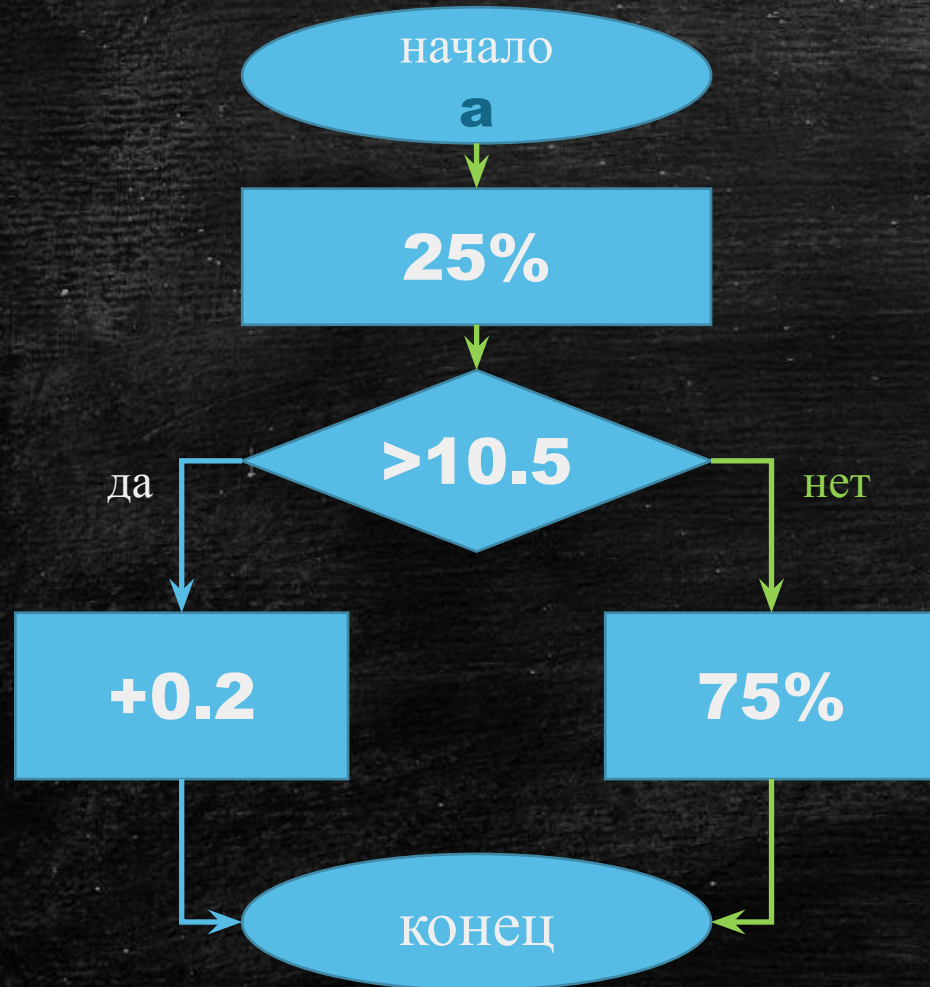
$$a = 40$$

$$40 \cdot 0.25 = 10$$

$$10 < 10.5$$

$$10 \cdot 0.75 = 7.5$$

Упражнение 1.1



$$a = 40$$

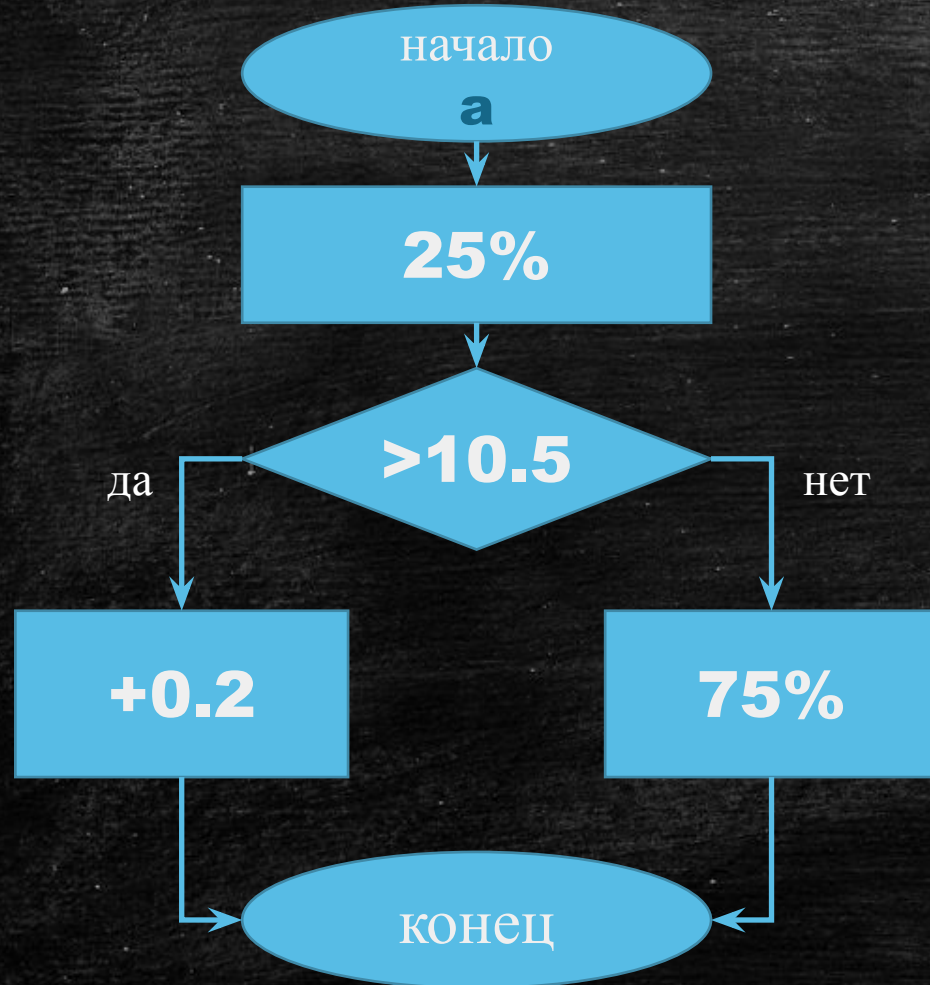
$$40 \cdot 0.25 = 10$$

$$10 < 10.5$$

$$10 \cdot 0.75 = 7.5$$

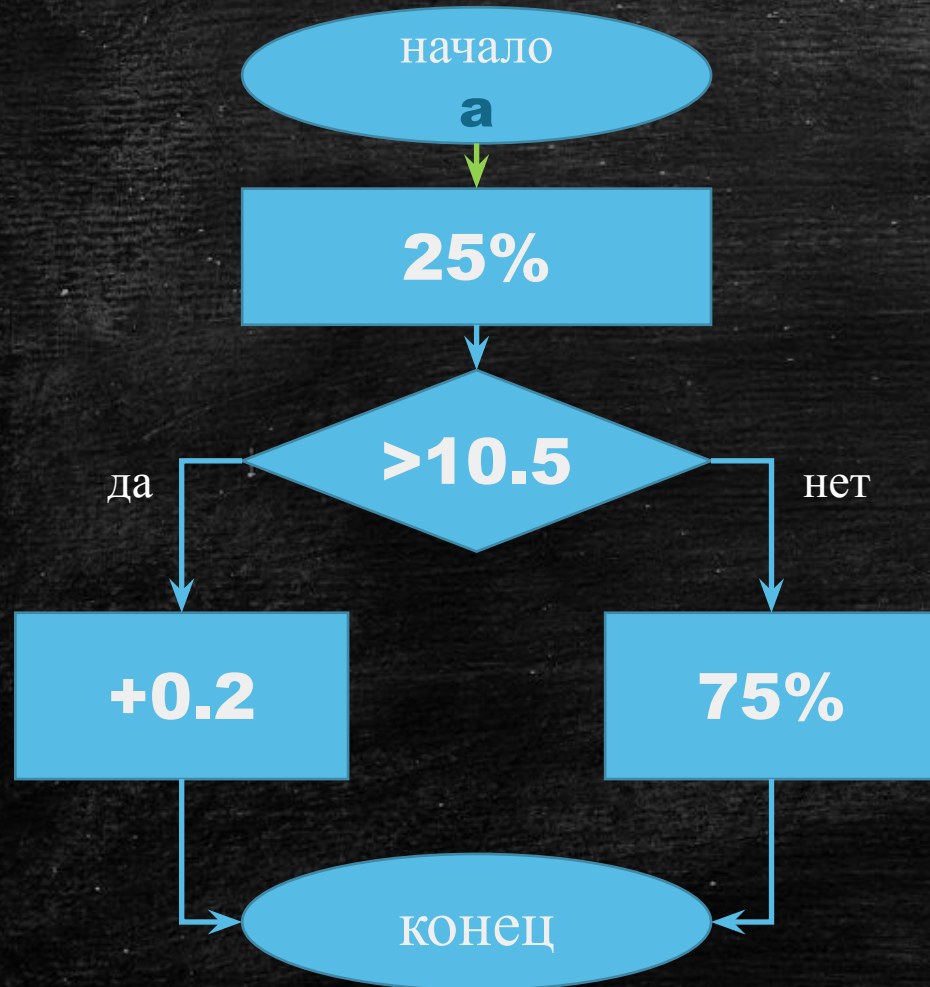
Ответ: **7.5**

Упражнение 1.2



$$a = 48$$

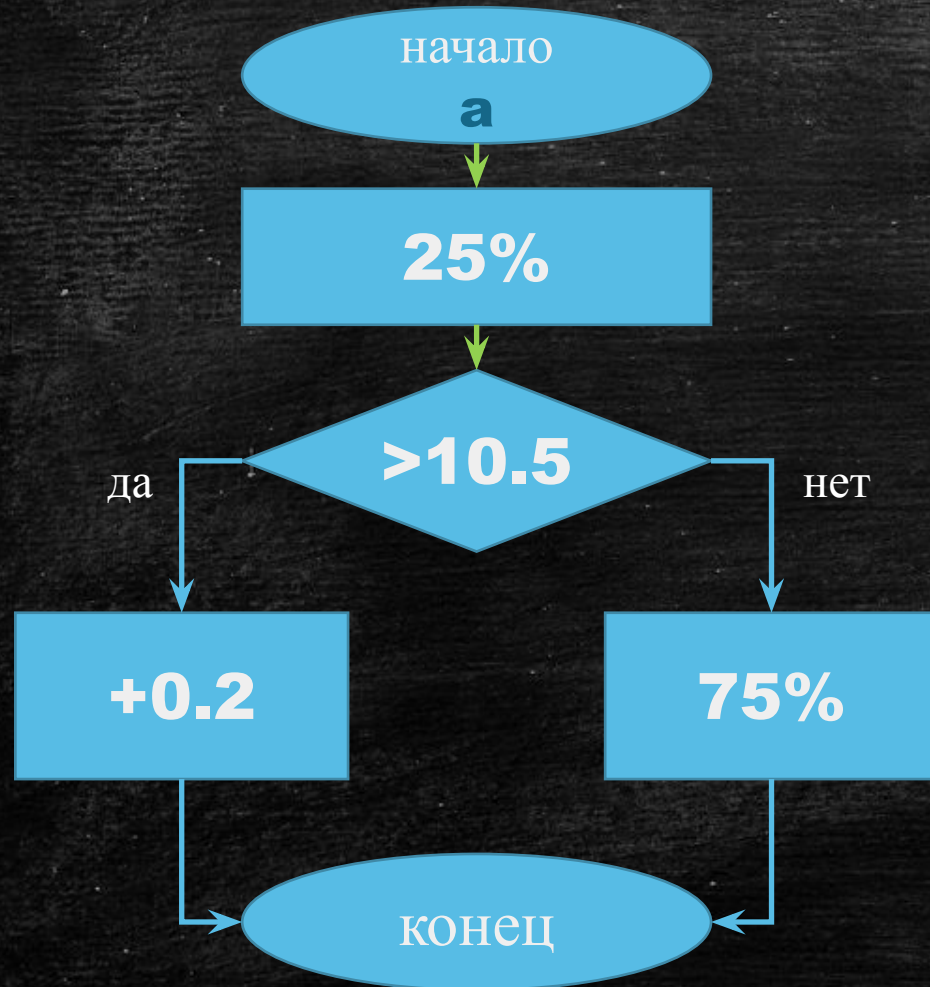
Упражнение 1.2



$$a = 48$$

$$48 \cdot 0.25 = 12 \cdot 4 \cdot 0.25 = 12$$

Упражнение 1.2

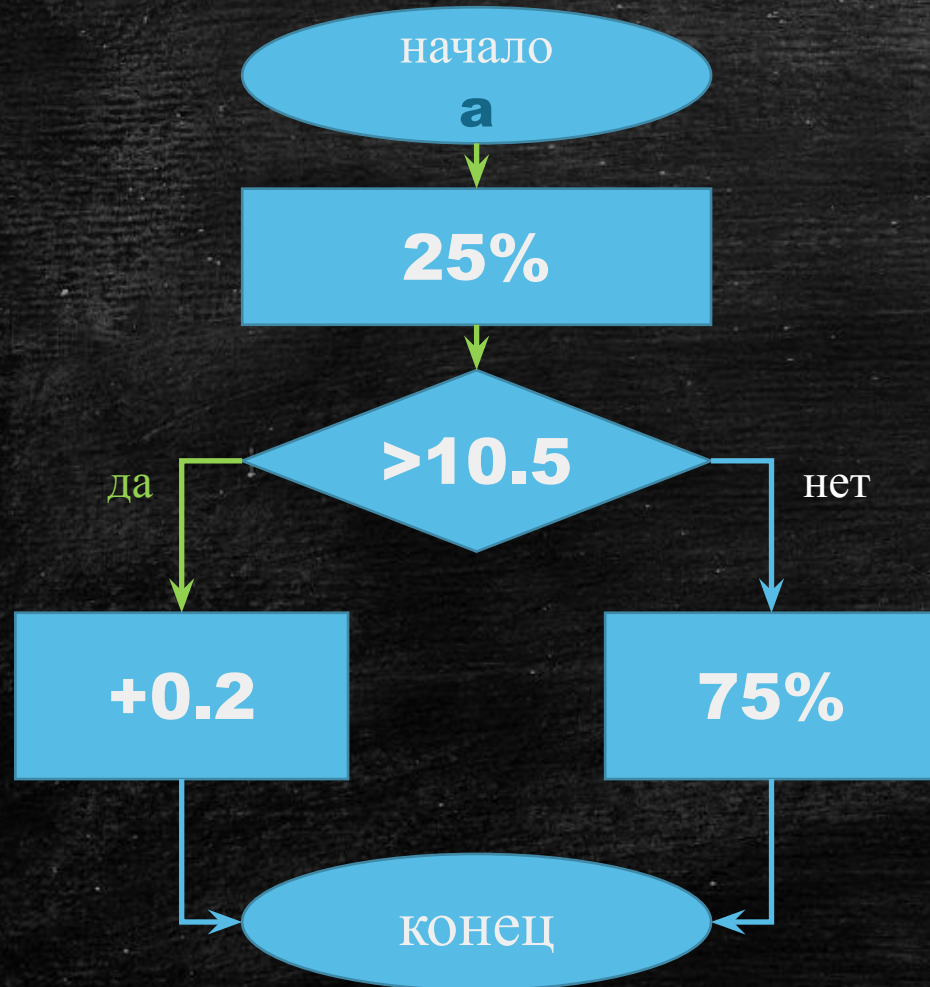


$$a = 48$$

$$48 \cdot 0.25 = 12$$

$$12 > 10.5$$

Упражнение 1.2



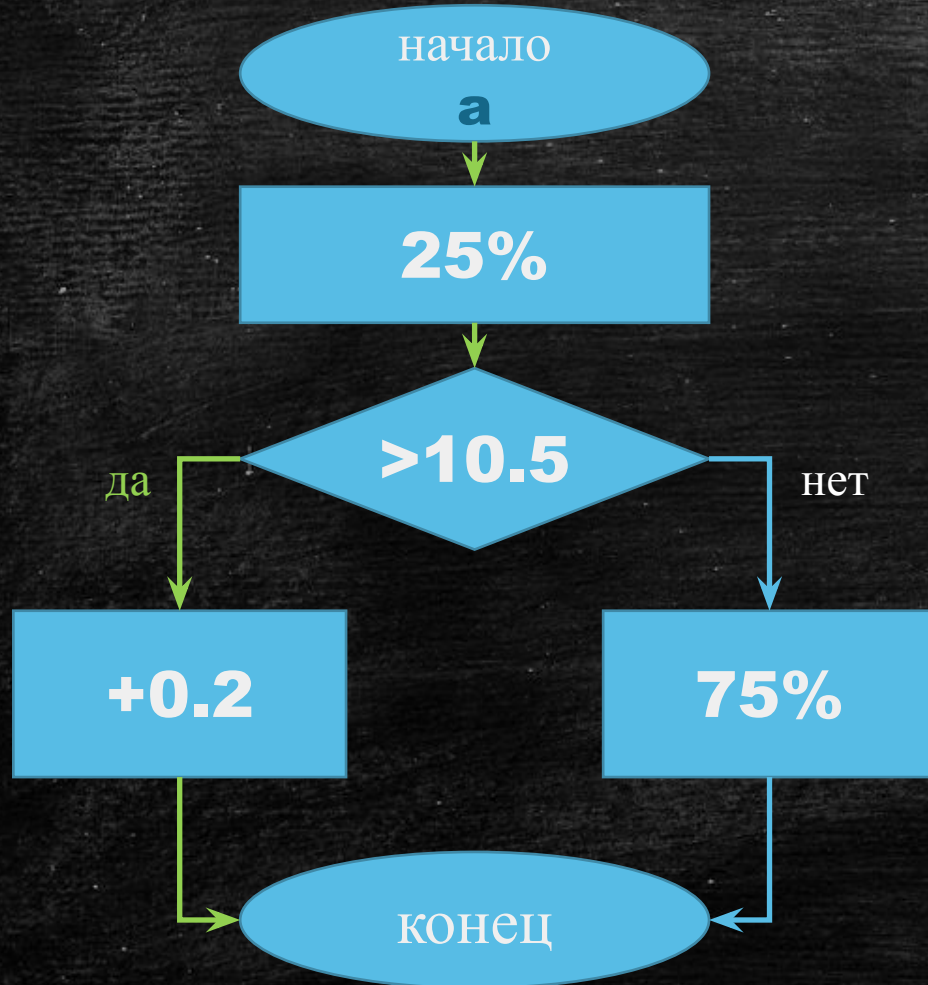
$$a = 48$$

$$48 \cdot 0.25 = 12$$

$$12 > 10.5$$

$$12 + 0.2 = 12.2$$

Упражнение 1.2



$$a = 48$$

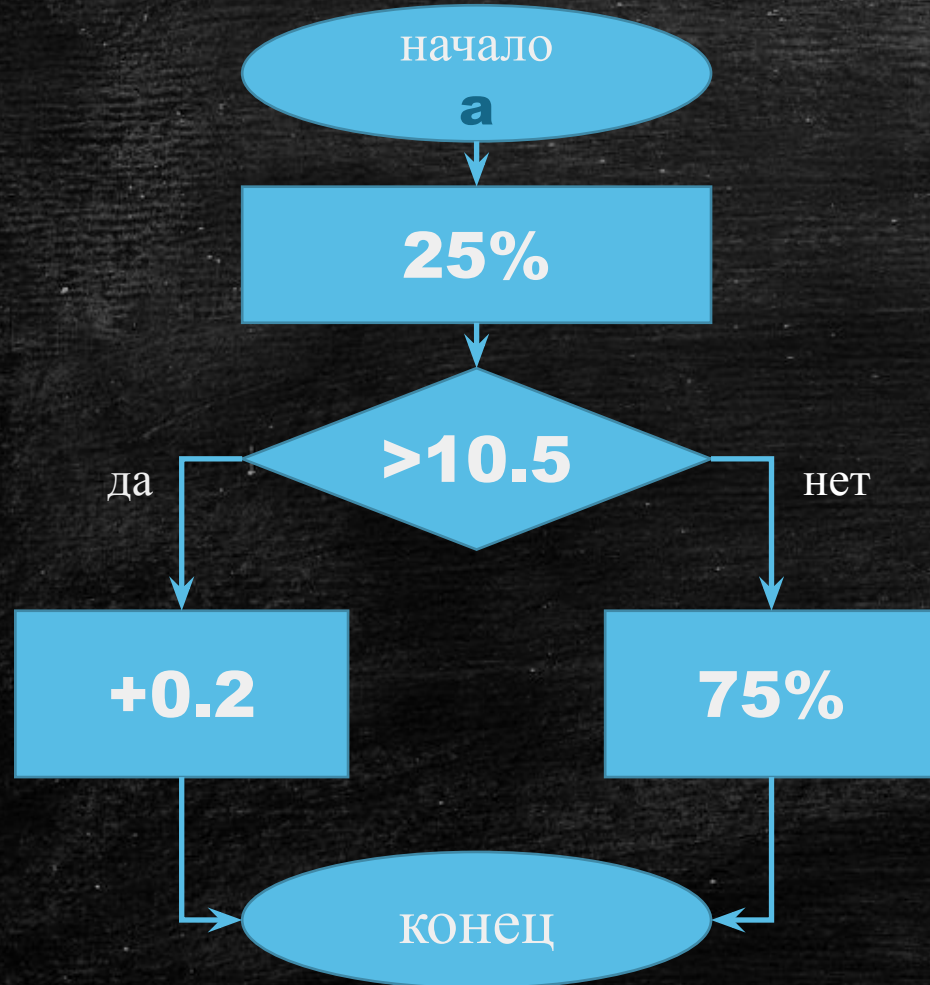
$$48 \cdot 0.25 = 12$$

$$12 > 10.5$$

$$12 + 0.2 = 12.2$$

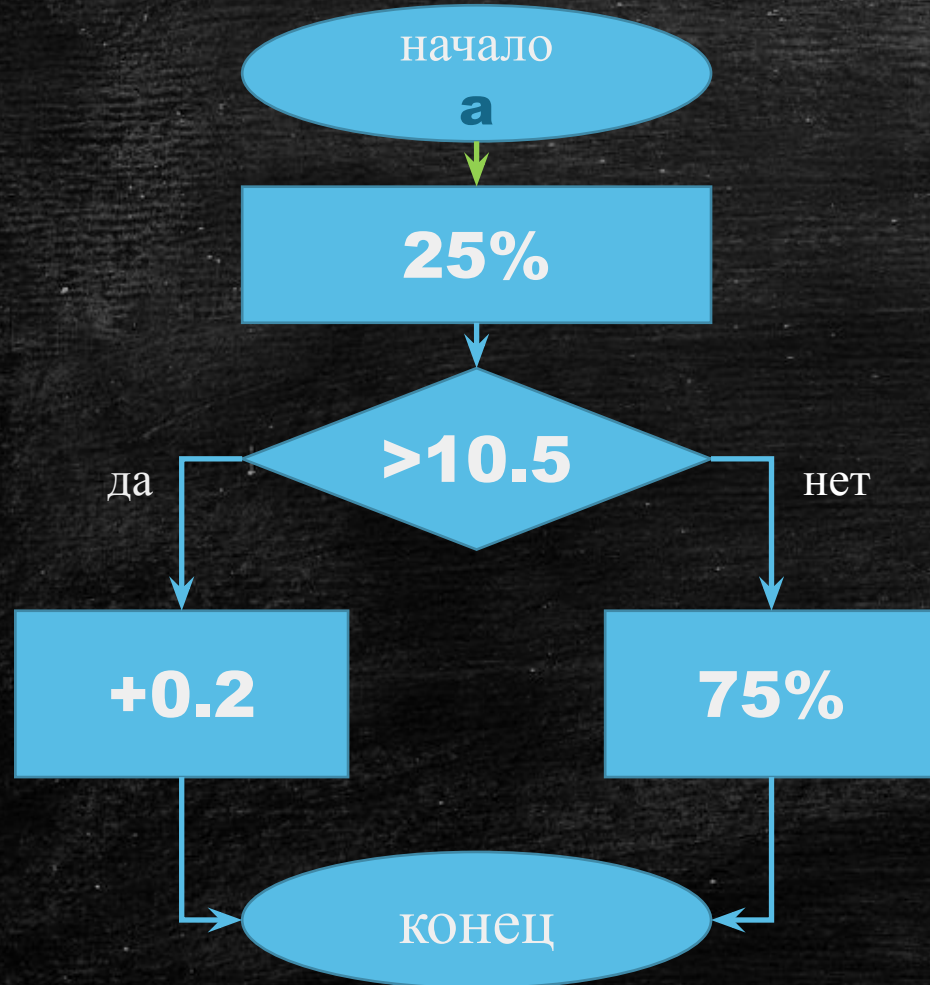
Ответ: **12.2**

Упражнение 1.3



$$a = 8/9$$

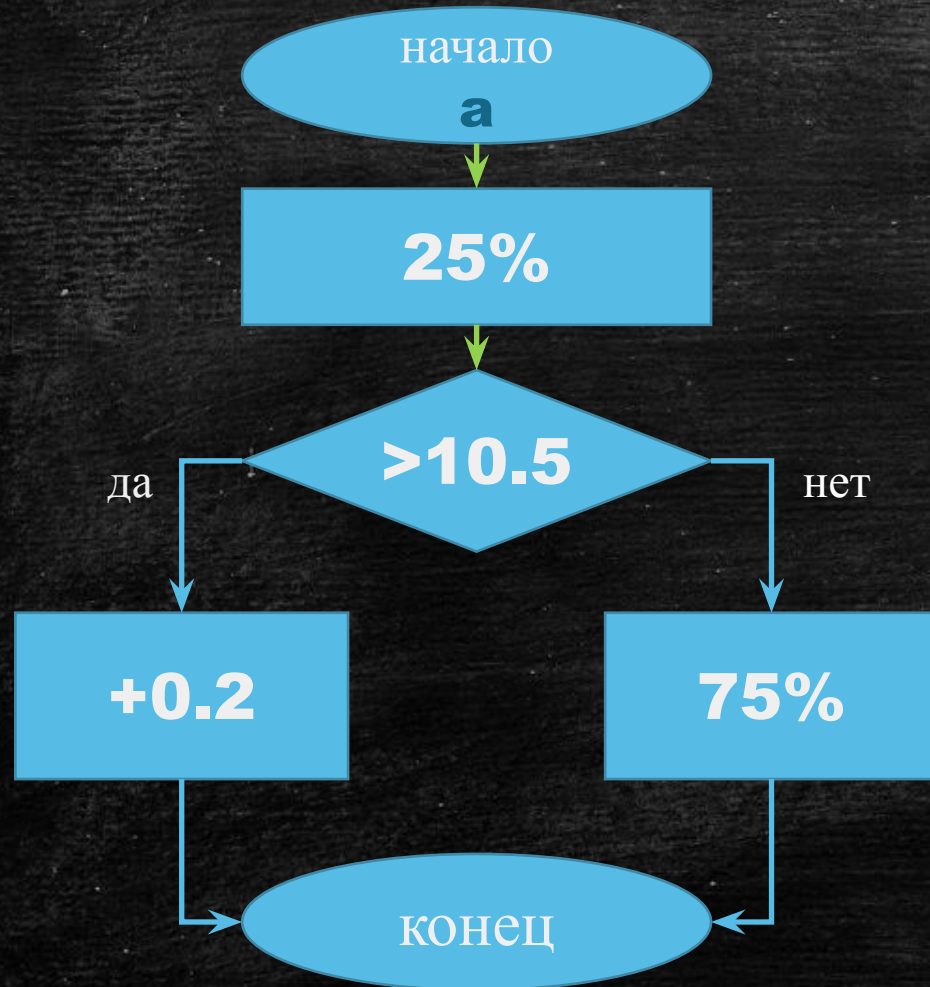
Упражнение 1.3



$$a = 8/9$$

$$8/9 \cdot 0.25 = 8/9 \cdot 1/4 = 2/9$$

Упражнение 1.3

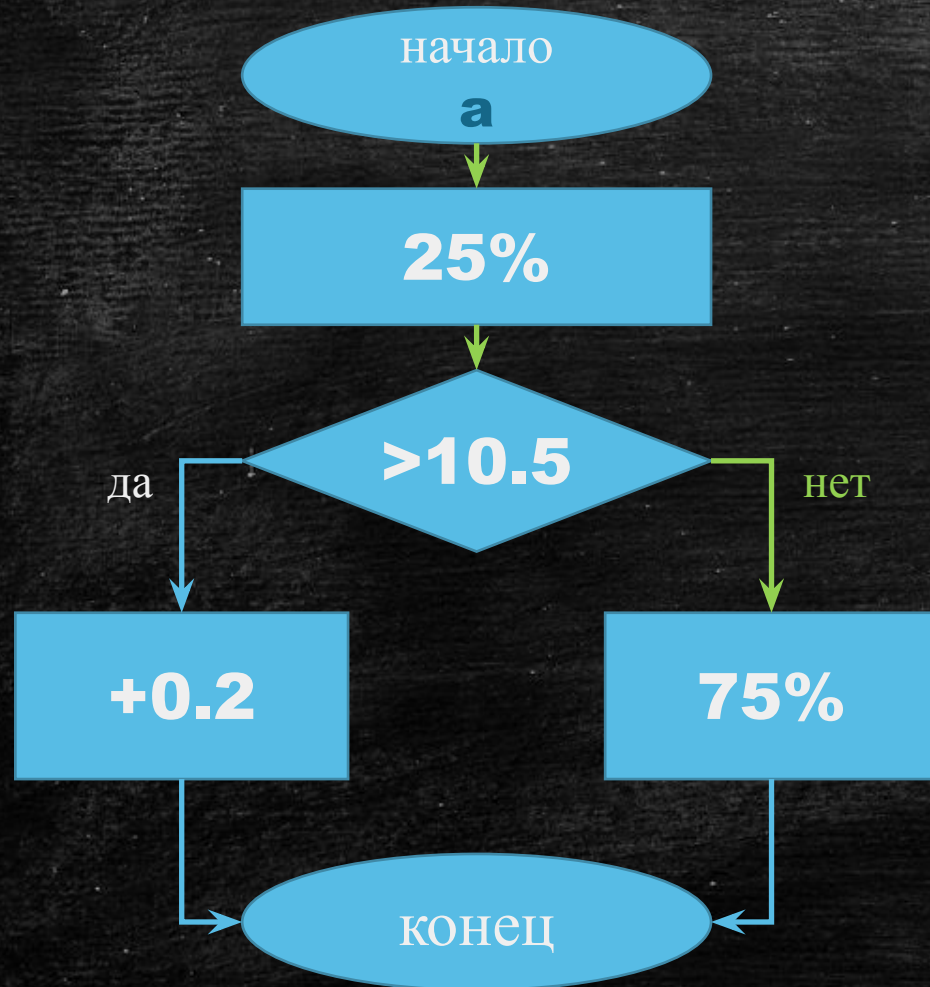


$$a = 8/9$$

$$8/9 \cdot 0.25 = 8/9 \cdot 1/4 = 2/9$$

$$2/9 < 10.5$$

Упражнение 1.3



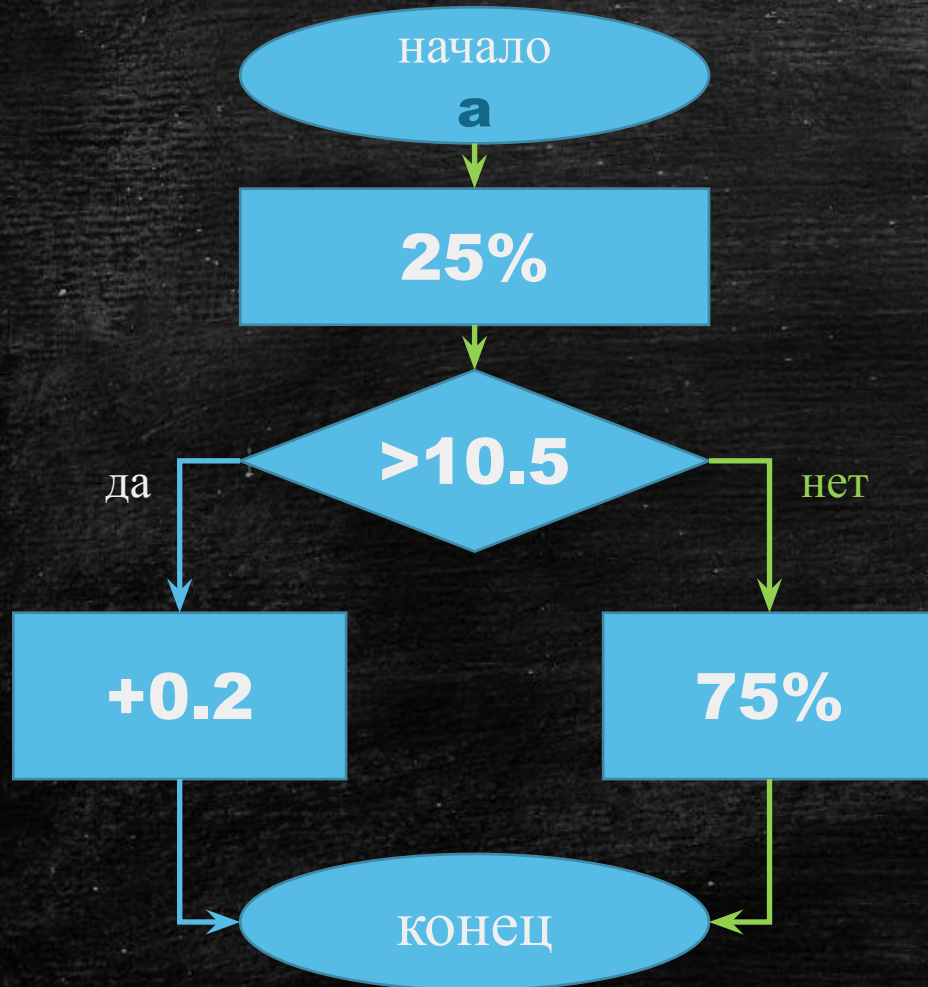
$$a = 8/9$$

$$8/9 \cdot 0.25 = 8/9 \cdot 1/4 = 2/9$$

$$2/9 < 10.5$$

$$2/9 \cdot 0.75 = 2/9 \cdot 3/4 = 1/6$$

Упражнение 1.3



$$a = 8/9$$

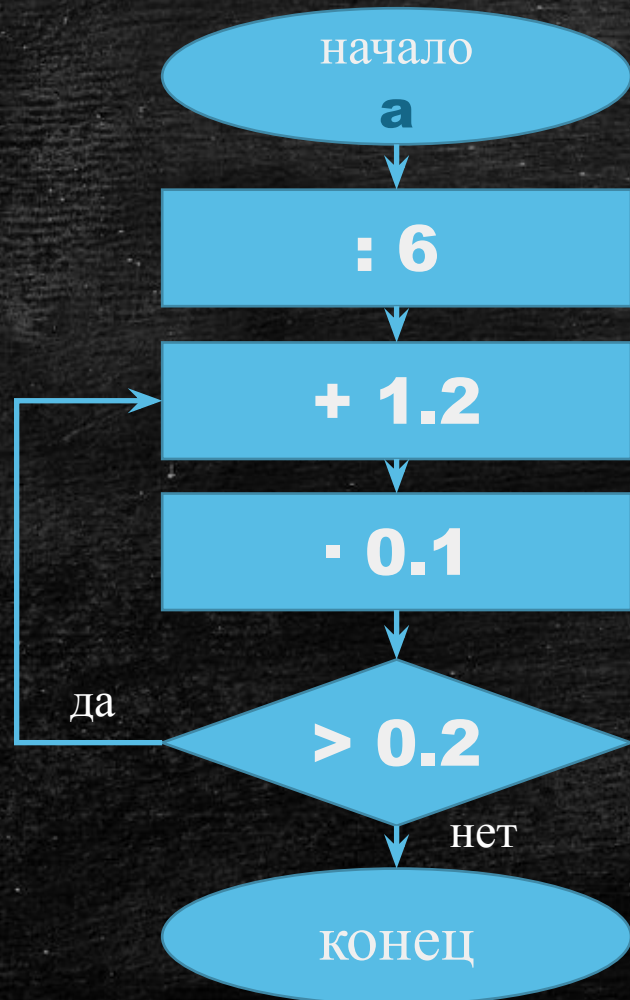
$$8/9 \cdot 0.25 = 8/9 \cdot 1/4 = 2/9$$

$$2/9 < 10.5$$

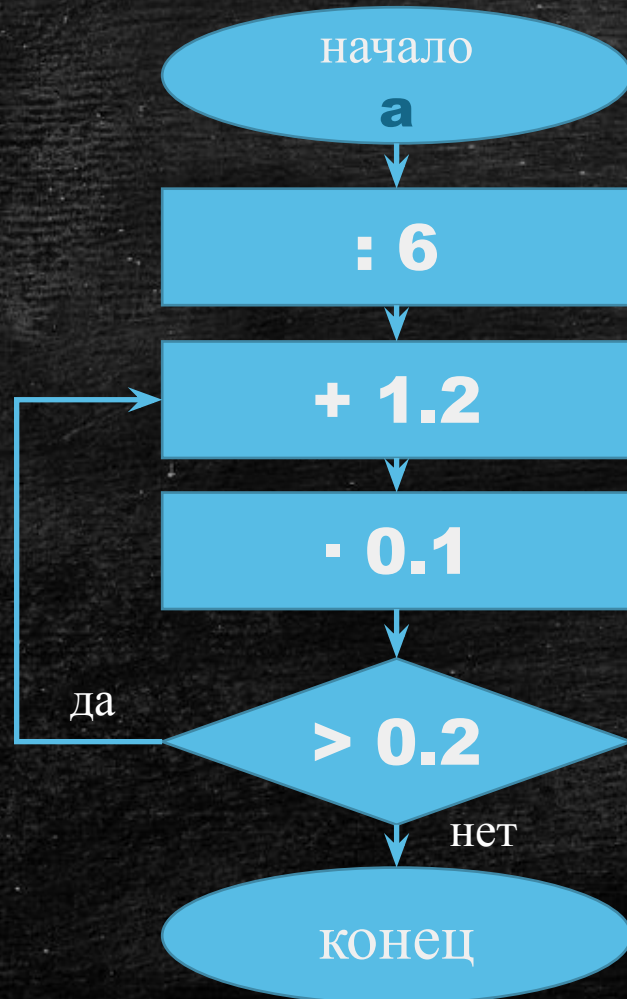
$$2/9 \cdot 0.75 = 2/9 \cdot 3/4 = 1/6$$

Ответ: **1/6**

Упражнение 2

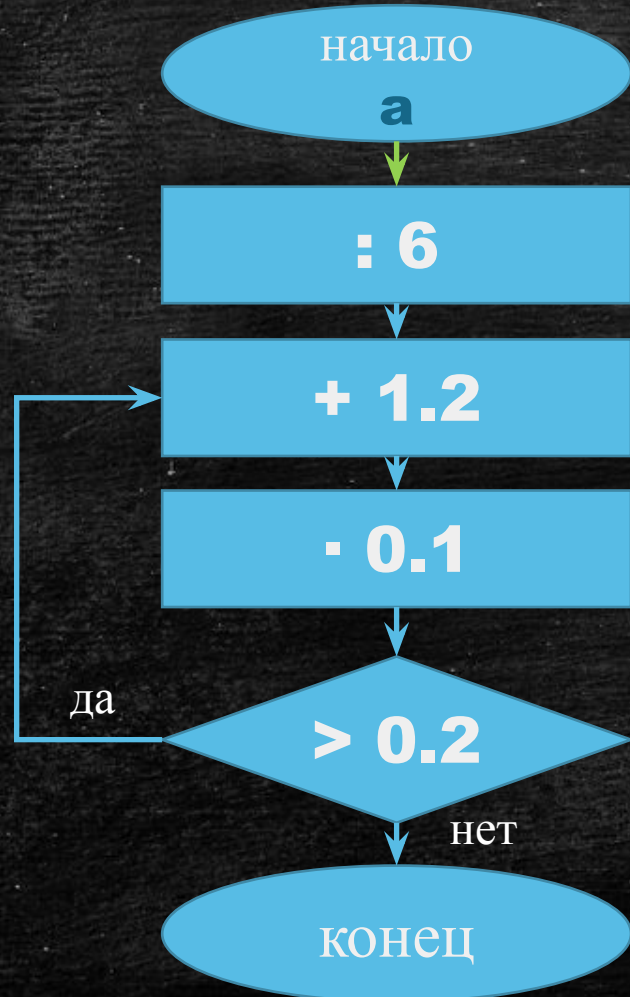


Упражнение 2.1



a = 1.2

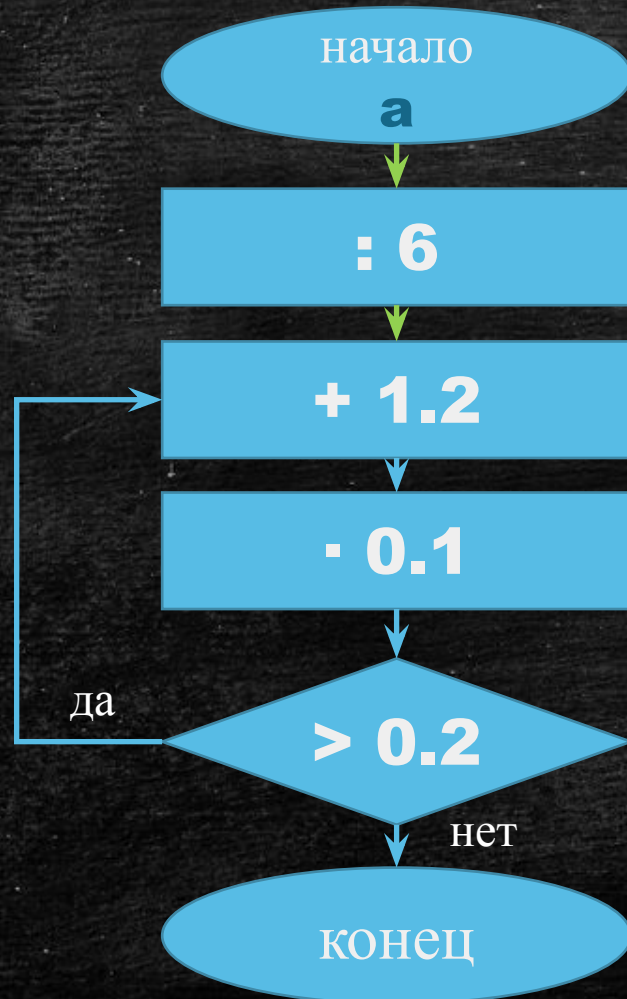
Упражнение 2.1



$$a = 1.2$$

$$1.2 : 6 = 0.2$$

Упражнение 2.1

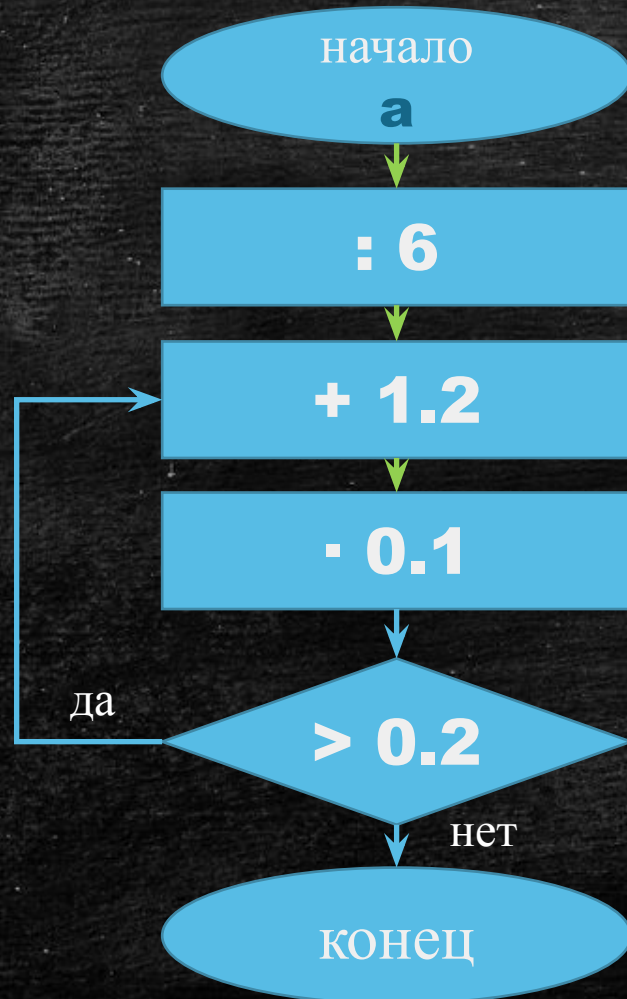


$$a = 1.2$$

$$1.2 : 6 = 0.2$$

$$0.2 + 1.2 = 1.4$$

Упражнение 2.1



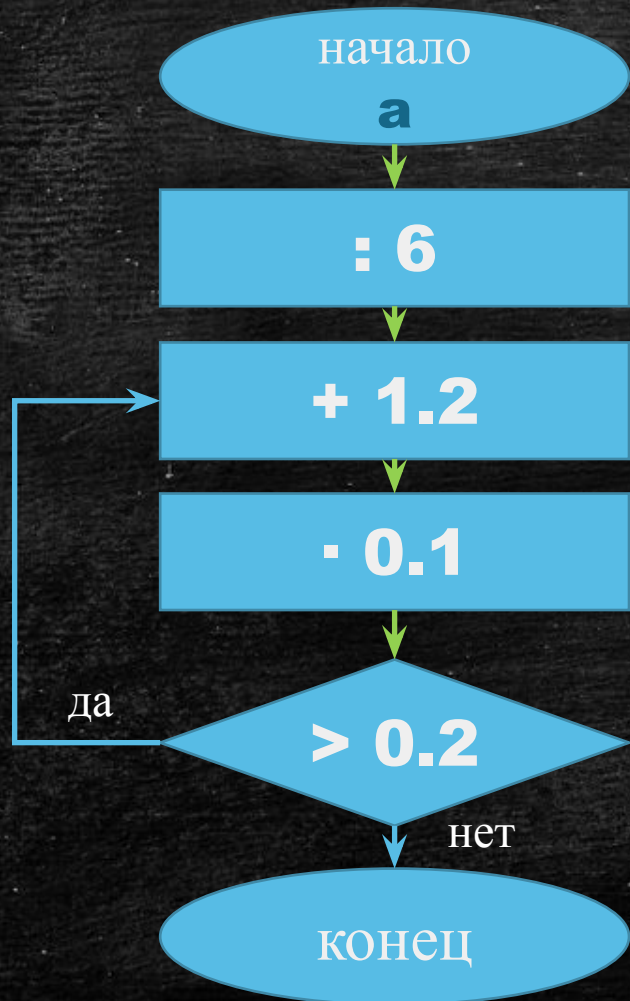
$$a = 1.2$$

$$1.2 : 6 = 0.2$$

$$0.2 + 1.2 = 1.4$$

$$1.4 \cdot 0.1 = 0.14$$

Упражнение 2.1



$$a = 1.2$$

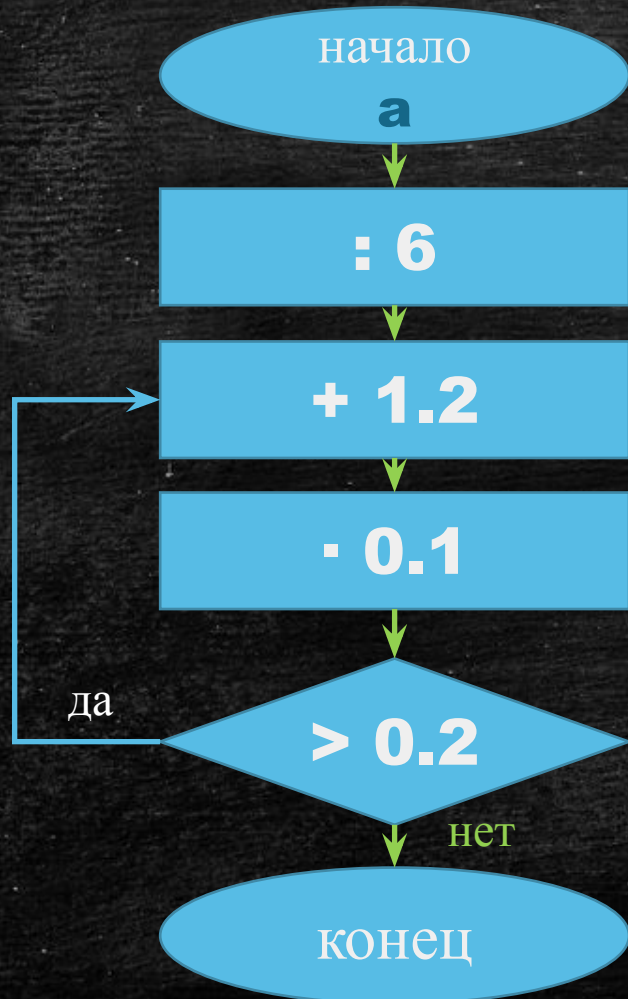
$$1.2 : 6 = 0.2$$

$$0.2 + 1.2 = 1.4$$

$$1.4 \cdot 0.1 = 0.14$$

$$0.14 < 0.2$$

Упражнение 2.1



$$a = 1.2$$

$$1.2 : 6 = 0.2$$

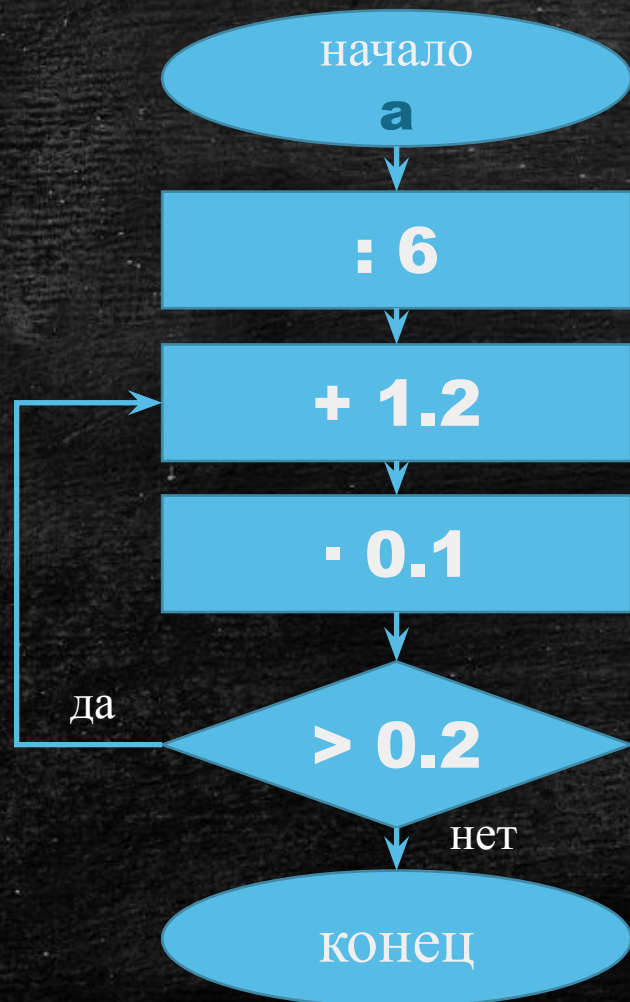
$$0.2 + 1.2 = 1.4$$

$$1.4 \cdot 0.1 = 0.14$$

$$0.14 < 0.2$$

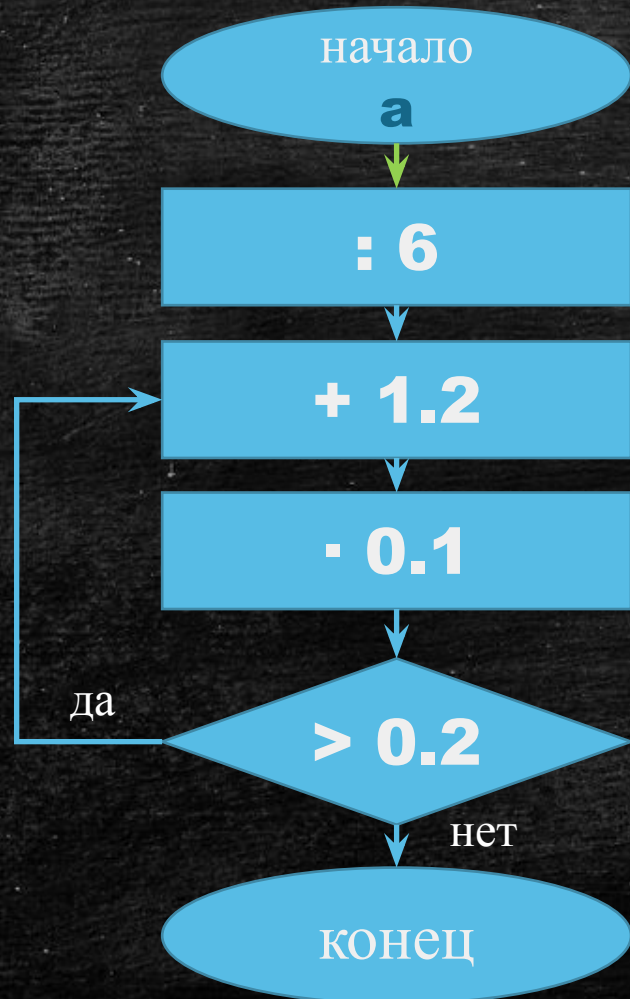
Ответ: **0.14**

Упражнение 2.2



a = 3

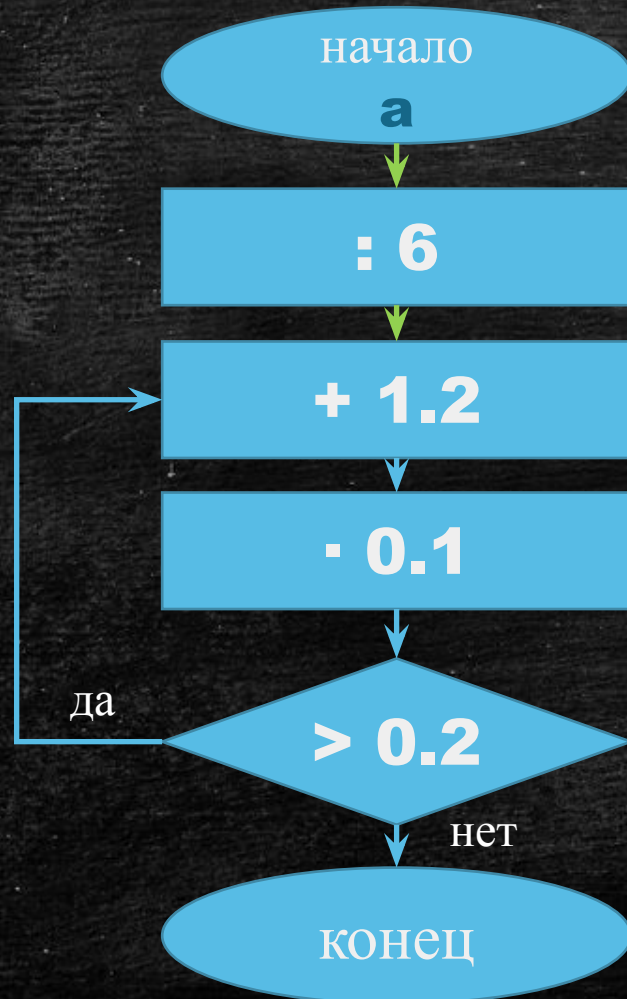
Упражнение 2.2



$$a = 3$$

$$3 : 6 = 0.5$$

Упражнение 2.2

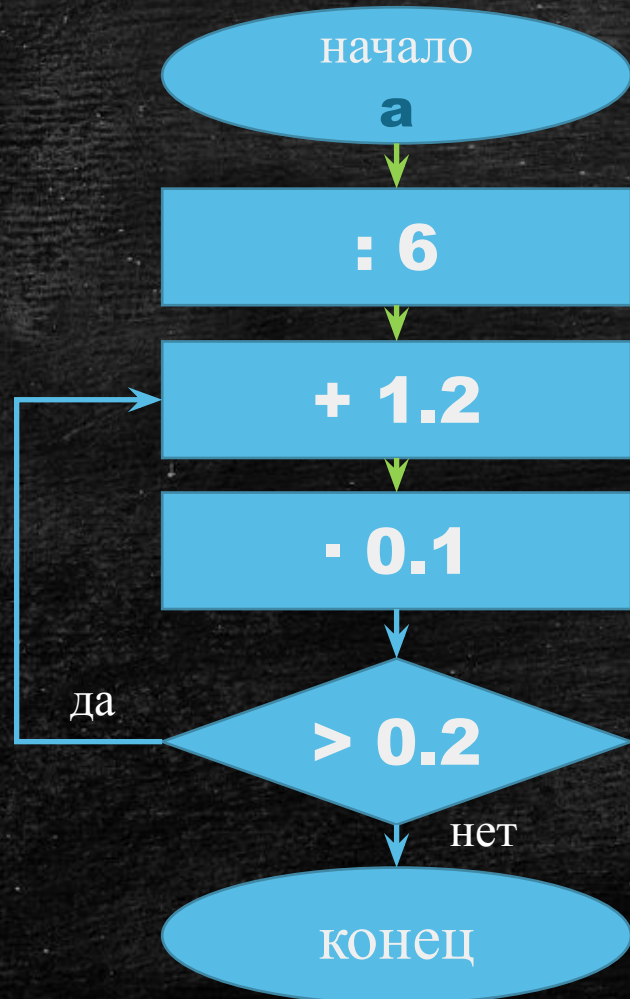


$$a = 3$$

$$3 : 6 = 0.5$$

$$0.5 + 1.2 = 1.7$$

Упражнение 2.2



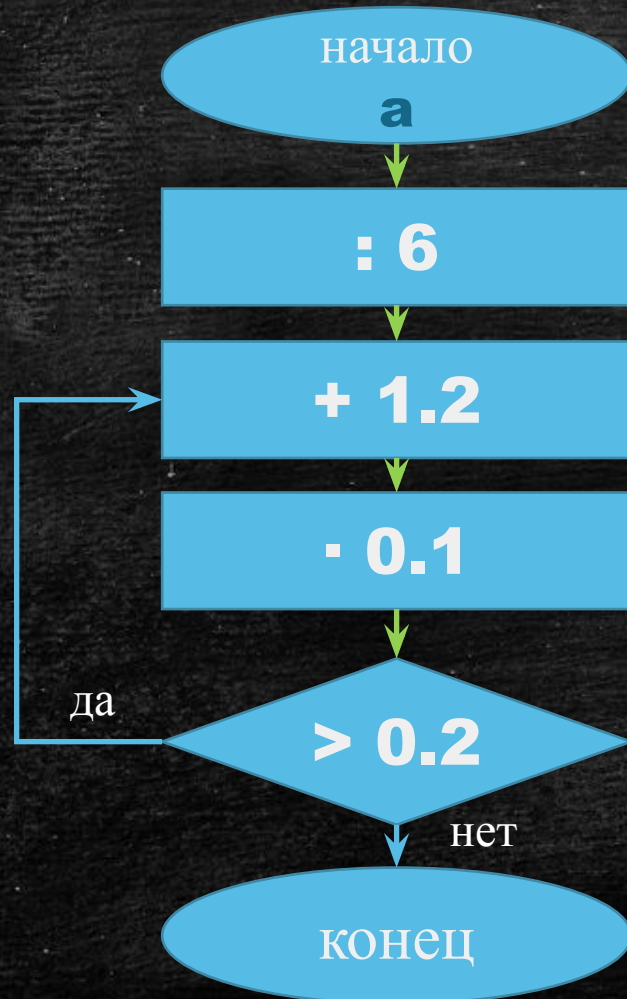
$$a = 3$$

$$3 : 6 = 0.5$$

$$0.5 + 1.2 = 1.7$$

$$1.7 \cdot 0.1 = 0.17$$

Упражнение 2.2



$$a = 3$$

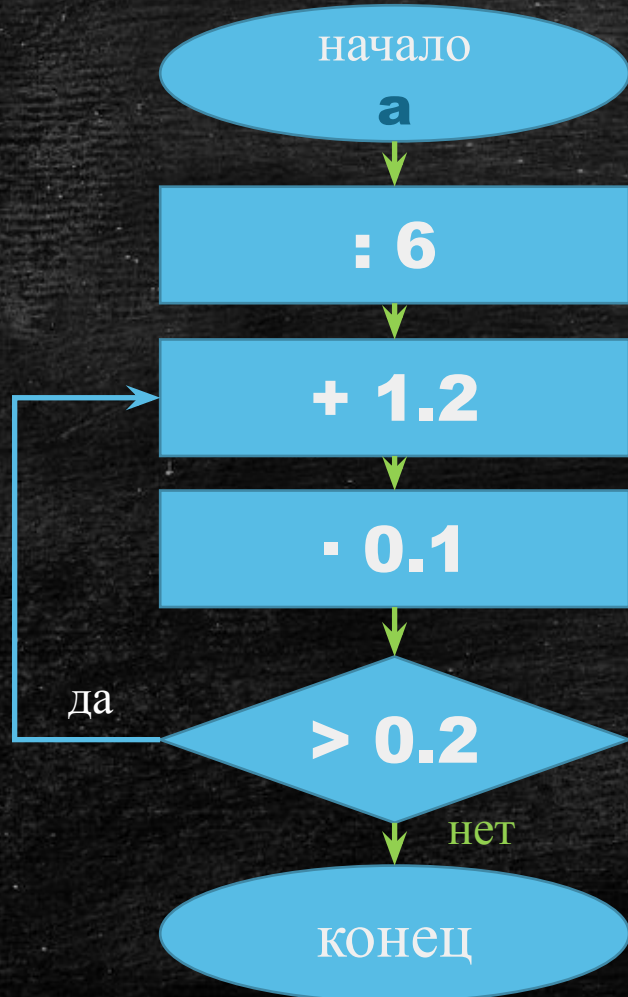
$$3 : 6 = 0.5$$

$$0.5 + 1.2 = 1.7$$

$$1.7 \cdot 0.1 = 0.17$$

$$0.17 < 0.2$$

Упражнение 2.2



$$a = 3$$

$$3 : 6 = 0.5$$

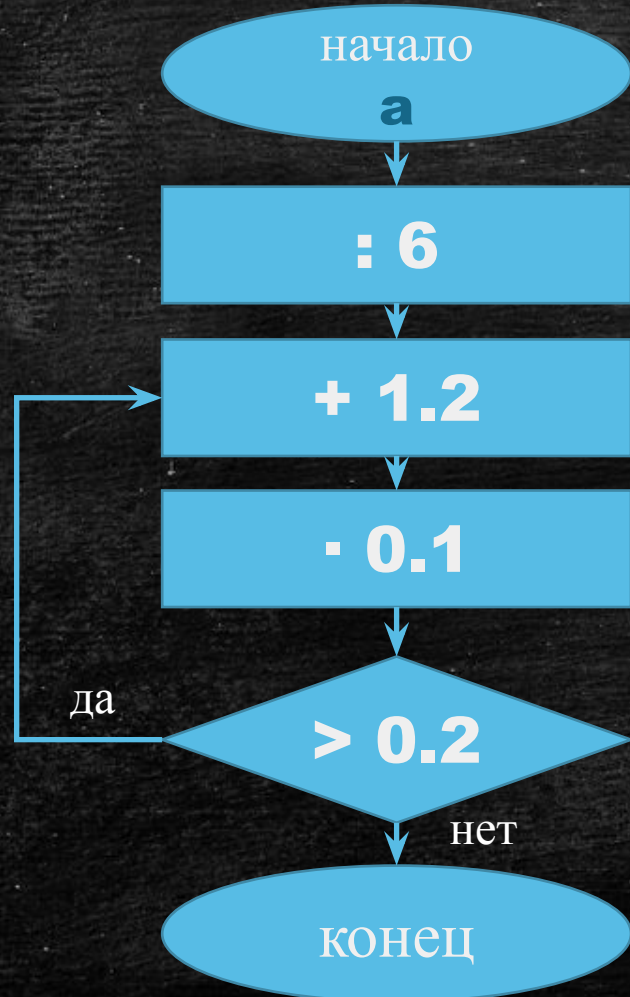
$$0.5 + 1.2 = 1.7$$

$$1.7 \cdot 0.1 = 0.17$$

$$0.17 < 0.2$$

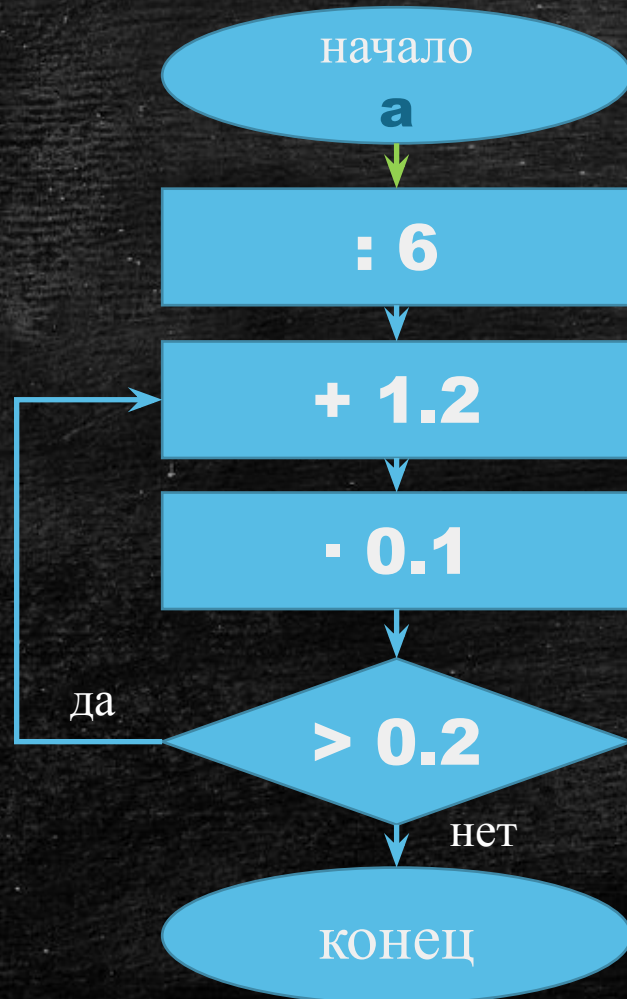
Ответ: **0.17**

Упражнение 2.3



a = 30

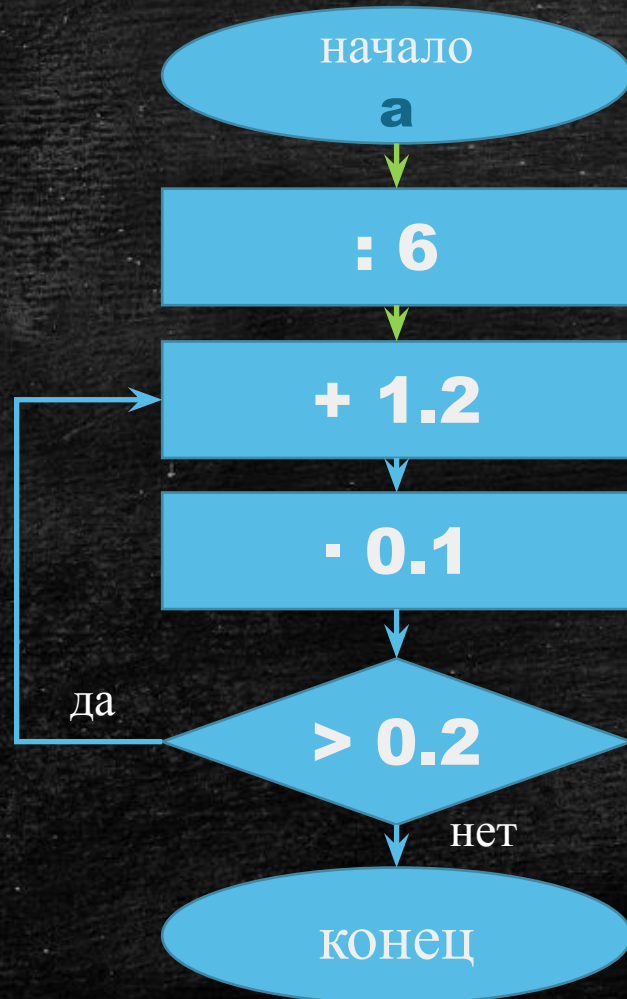
Упражнение 2.3



$$a = 30$$

$$30 : 6 = 5$$

Упражнение 2.3

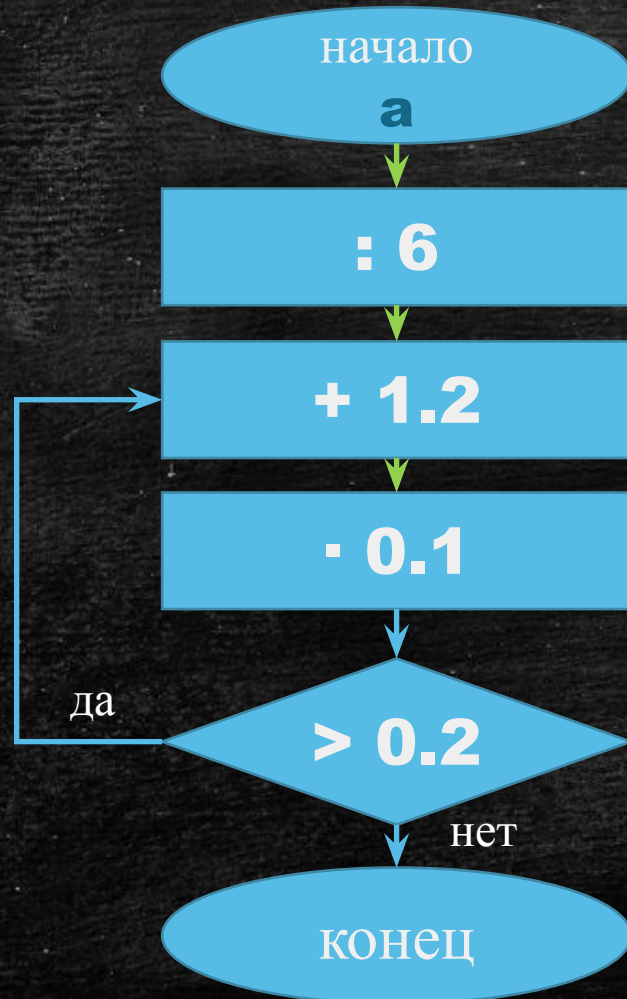


$$a = 30$$

$$30 : 6 = 5$$

$$5 + 1.2 = 6.2$$

Упражнение 2.3



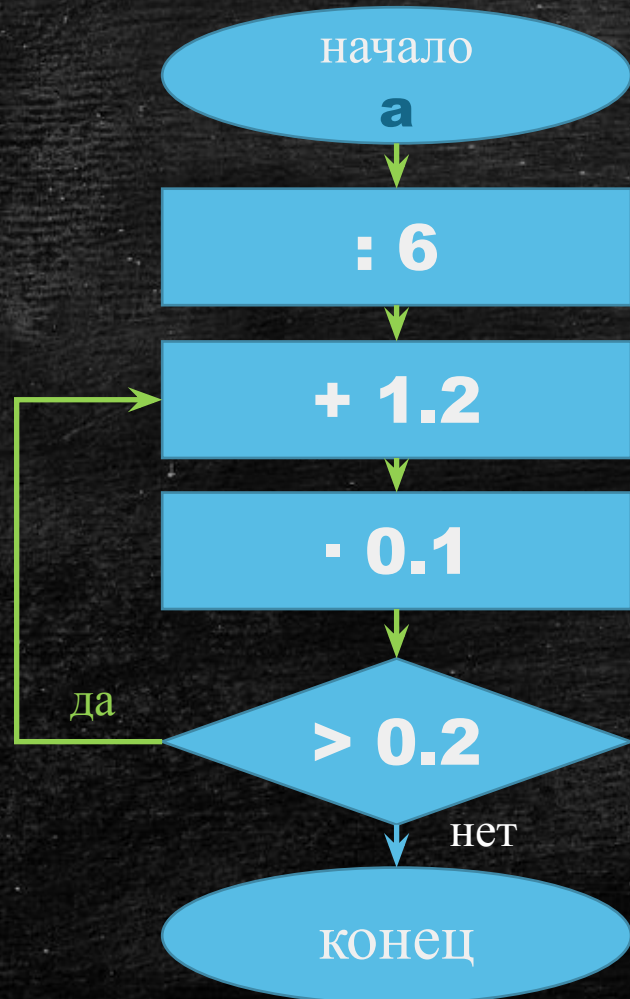
$$a = 30$$

$$30 : 6 = 5$$

$$5 + 1.2 = 6.2$$

$$6.2 \cdot 0.1 = 0.62$$

Упражнение 2.3



$$a = 30$$

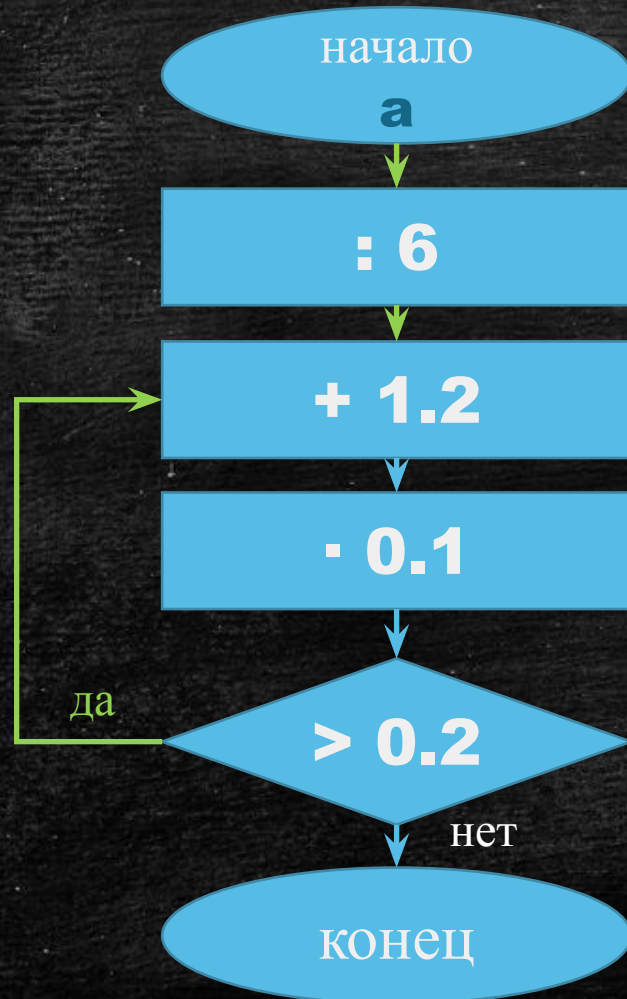
$$30 : 6 = 5$$

$$5 + 1.2 = 6.2$$

$$6.2 \cdot 0.1 = 0.62$$

$$0.62 > 0.2$$

Упражнение 2.3

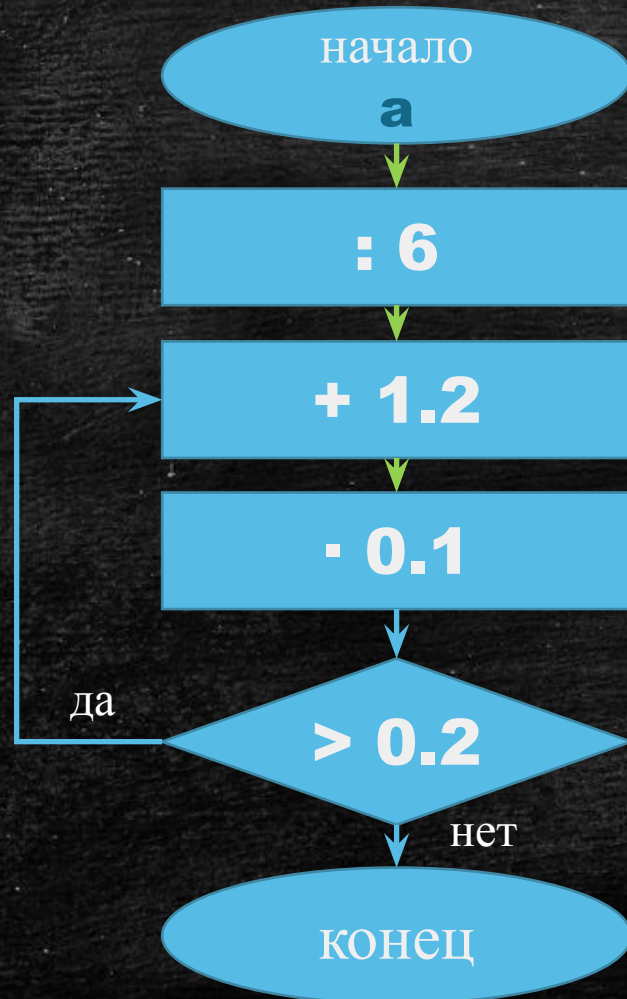


$$a = 30$$

$$30 : 6 = 5$$

$$0.62 + 1.2 = 1.82$$

Упражнение 2.3



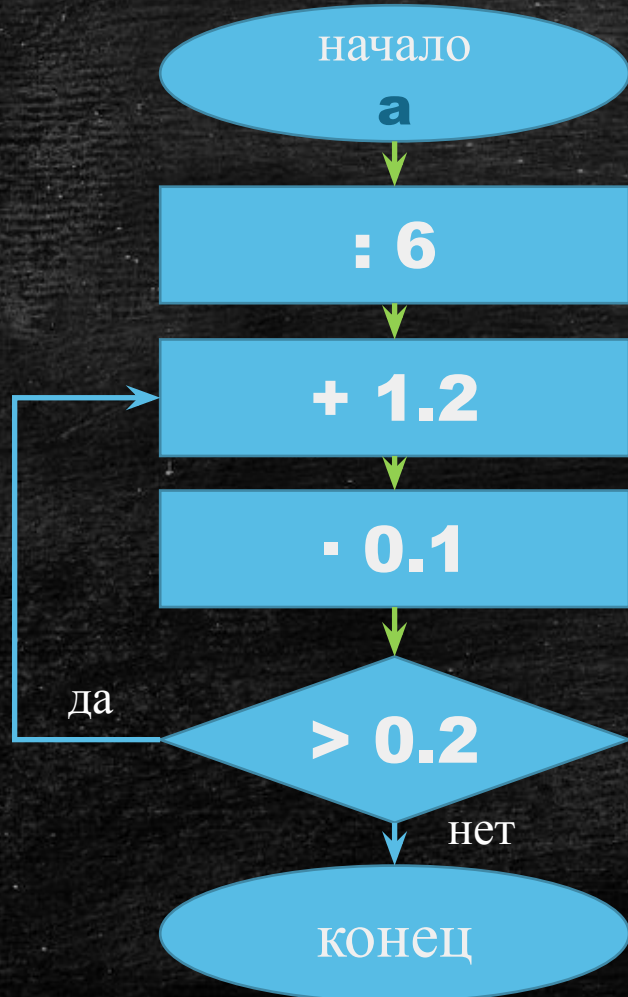
$$a = 30$$

$$30 : 6 = 5$$

$$0.62 + 1.2 = 1.82$$

$$1.82 \cdot 0.1 = 0.182$$

Упражнение 2.3



$$a = 30$$

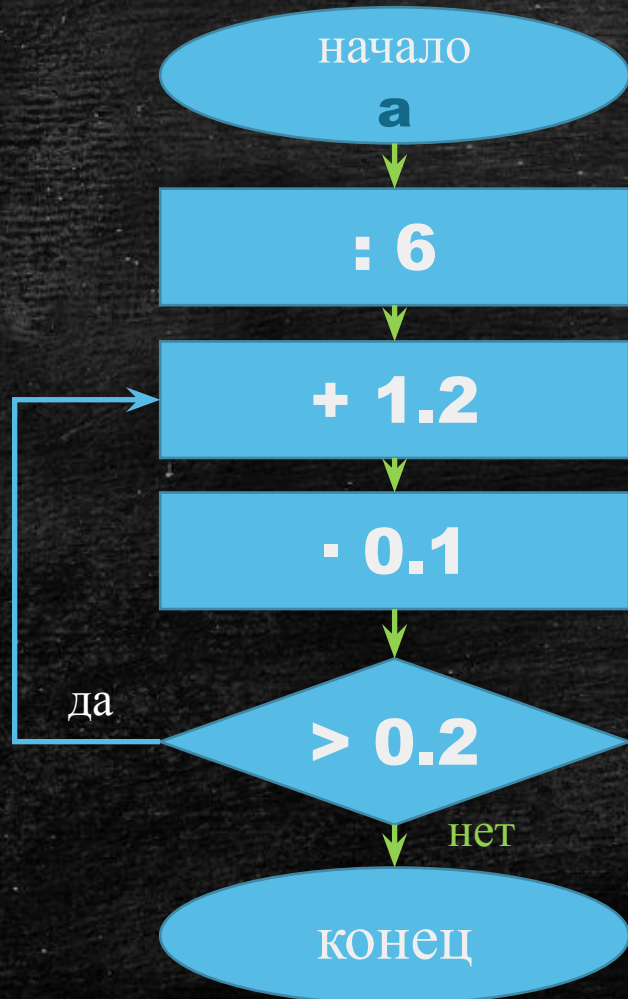
$$30 : 6 = 5$$

$$0.62 + 1.2 = 1.82$$

$$1.82 \cdot 0.1 = 0.182$$

$$0.182 < 0.2$$

Упражнение 2.3



$$a = 30$$

$$30 : 6 = 5$$

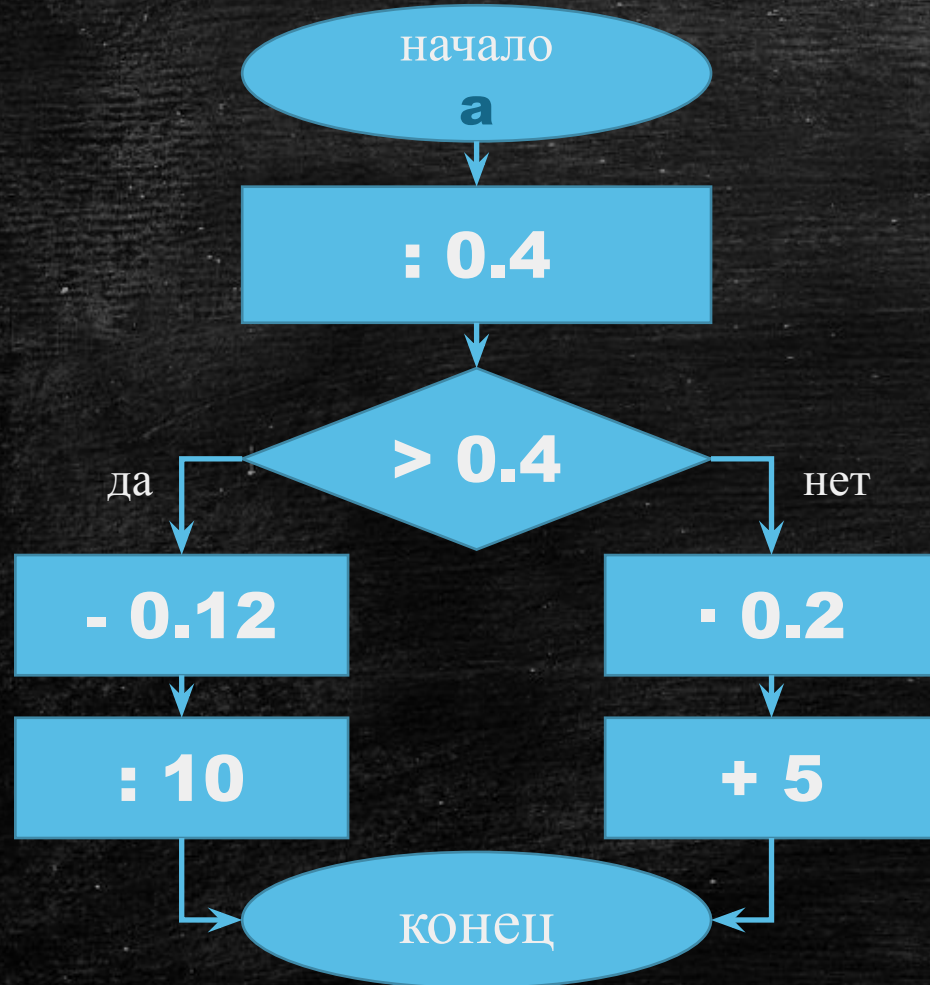
$$0.62 + 1.2 = 1.82$$

$$1.82 \cdot 0.1 = 0.182$$

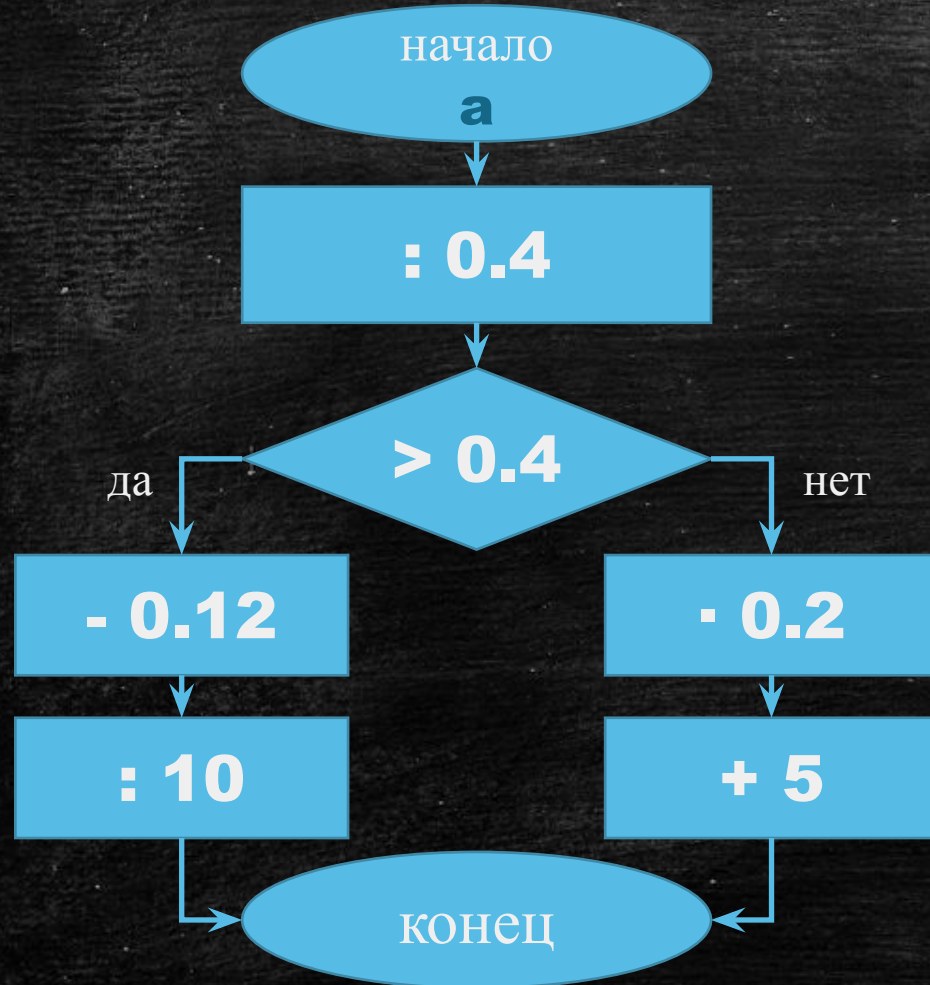
$$0.182 < 0.2$$

Ответ: **0.182**

Упражнение 3

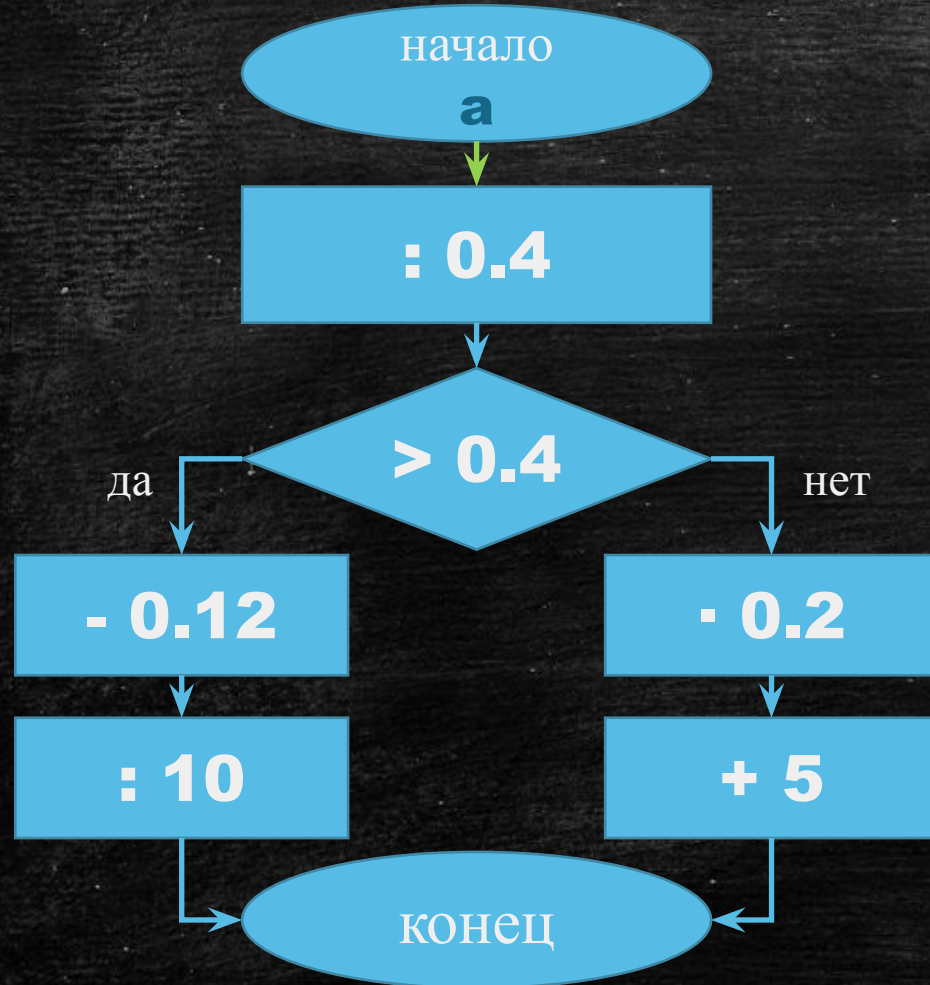


Упражнение 3.1



a = 8

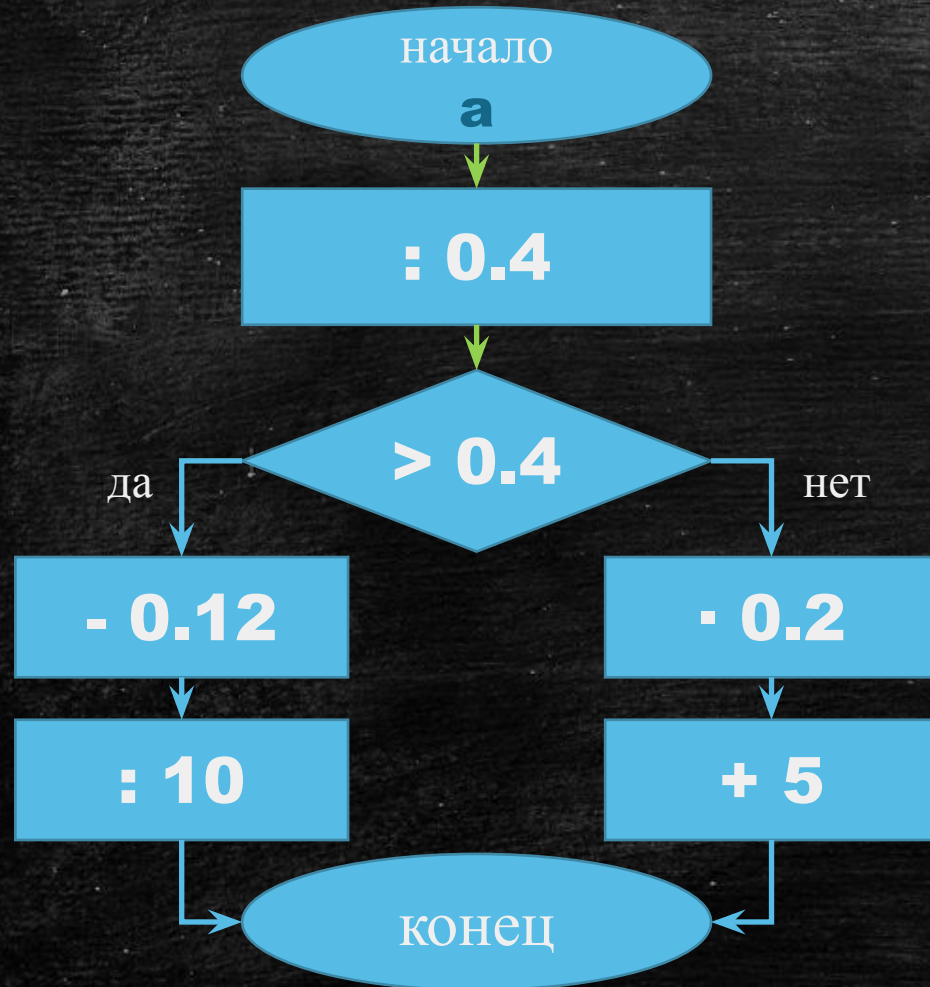
Упражнение 3.1



$$a = 8$$

$$8 : 0.4 = 80 : 4 = 20$$

Упражнение 3.1

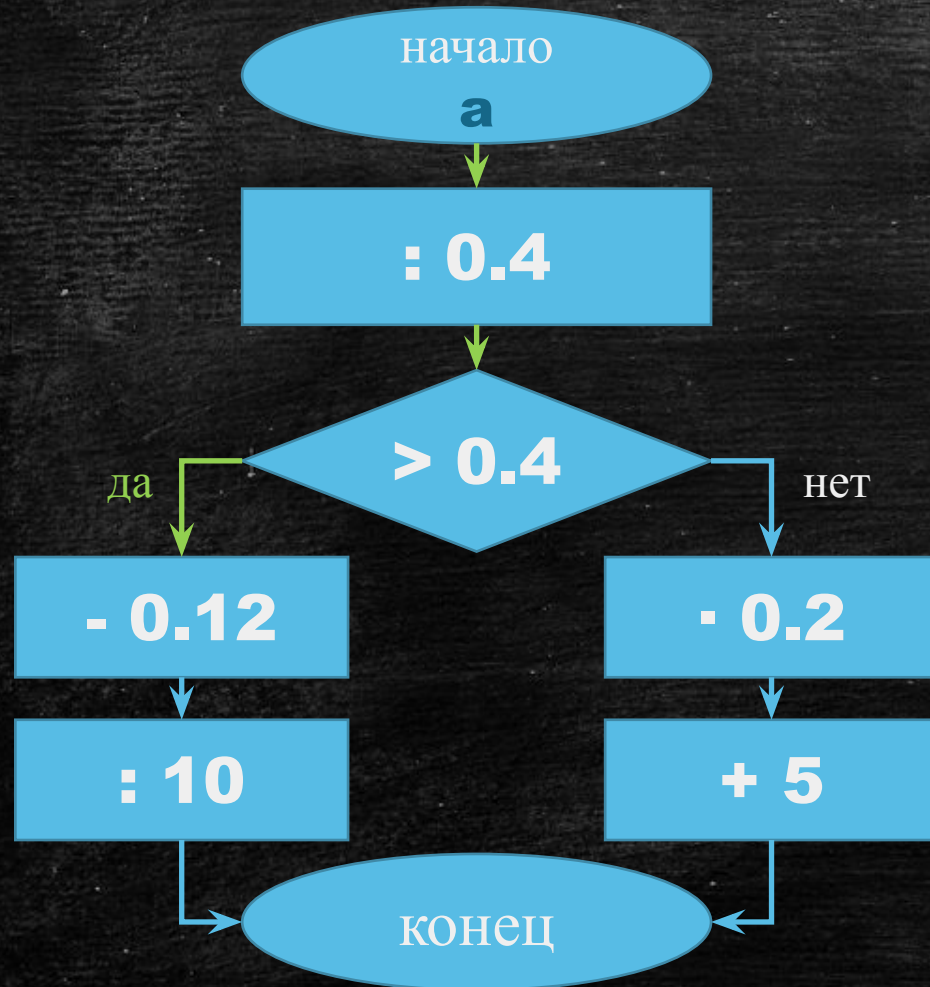


$$a = 8$$

$$8 : 0.4 = 20$$

$$20 > 0.4$$

Упражнение 3.1



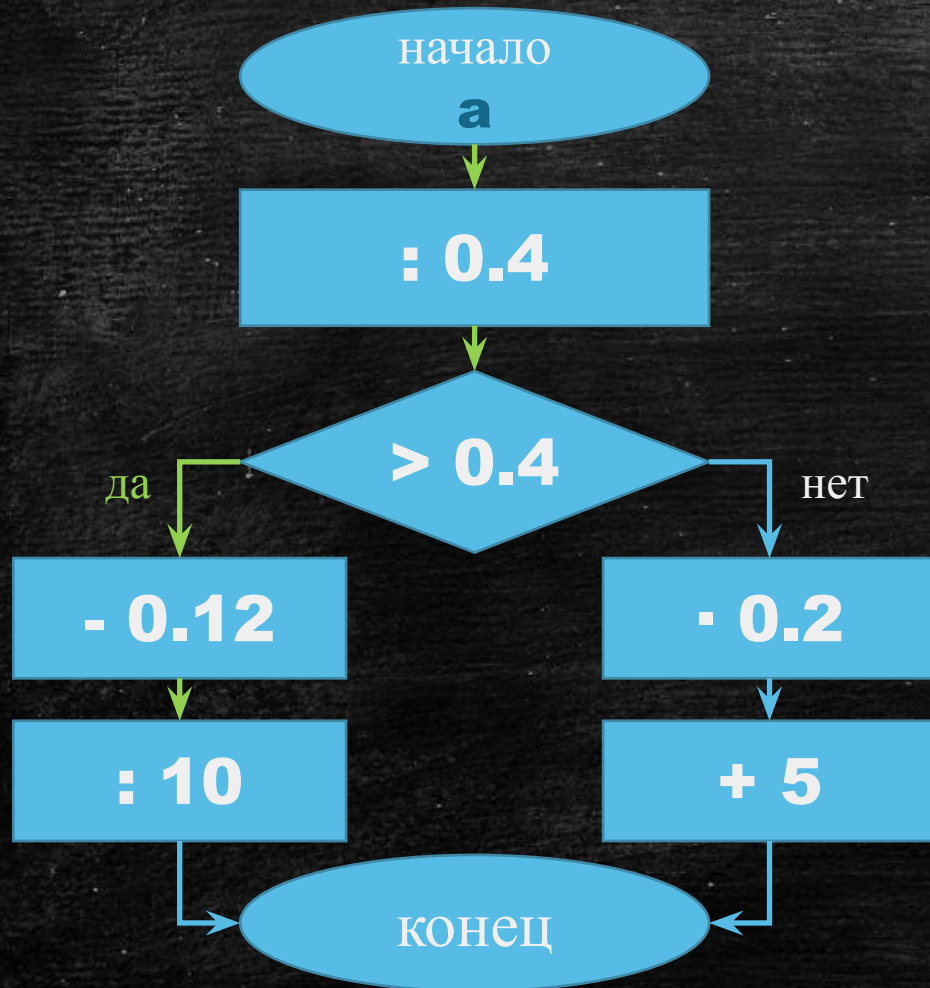
$$a = 8$$

$$8 : 0.4 = 20$$

$$20 > 0.4$$

$$20 - 0.12 = 19.88$$

Упражнение 3.1



$$a = 8$$

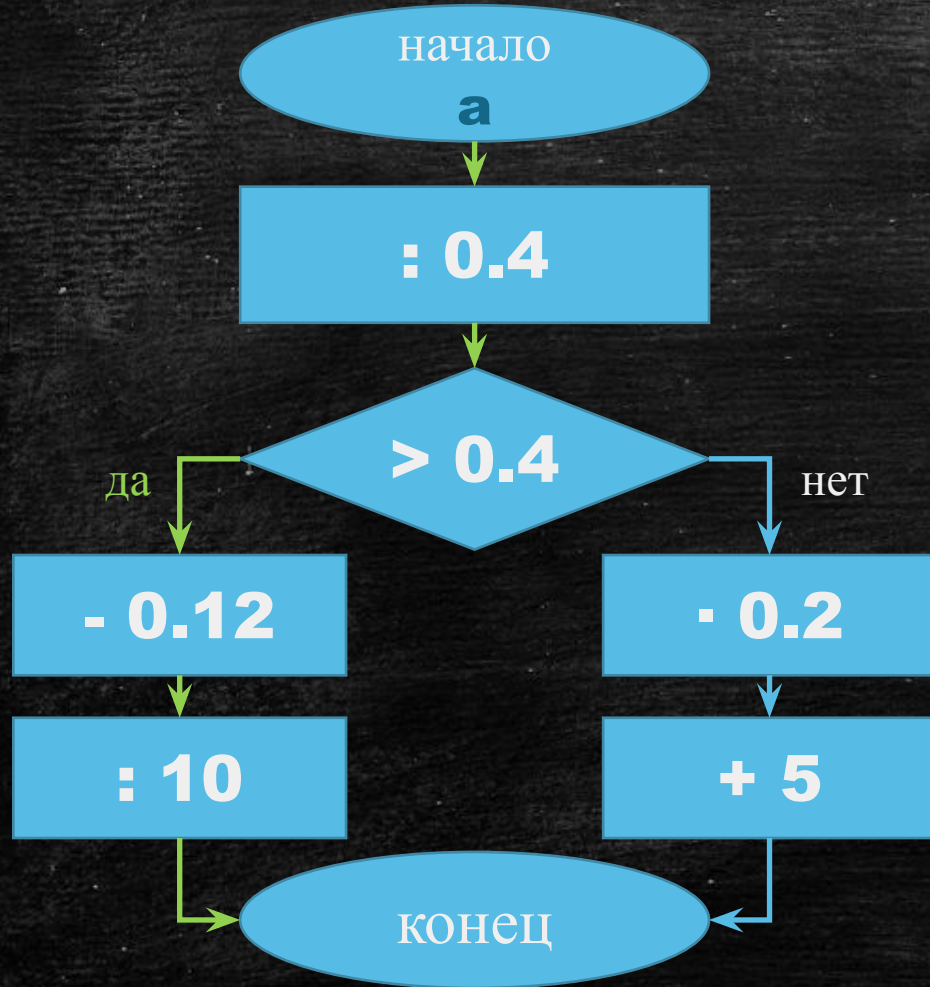
$$8 : 0.4 = 20$$

$$20 > 0.4$$

$$20 - 0.12 = 19.88$$

$$19.88 : 10 = 1.988$$

Упражнение 3.1



$$a = 8$$

$$8 : 0.4 = 20$$

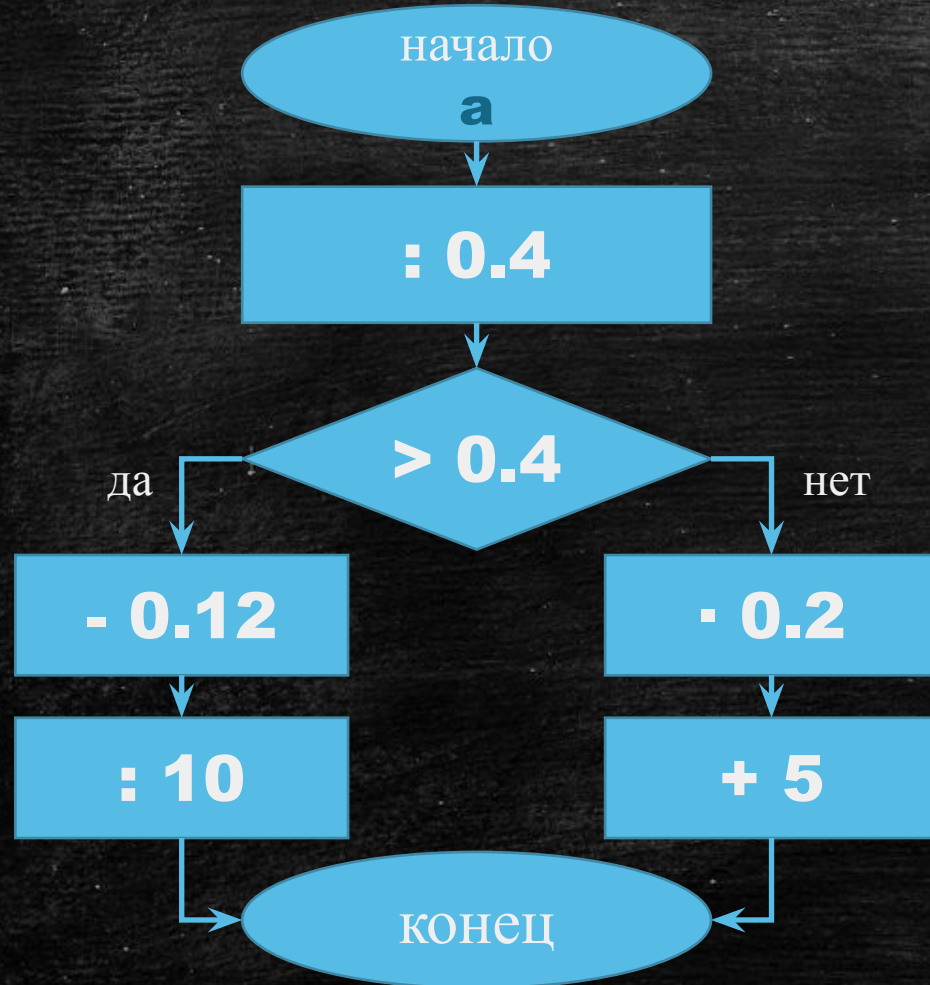
$$20 > 0.4$$

$$20 - 0.12 = 19.88$$

$$19.88 : 10 = 1.988$$

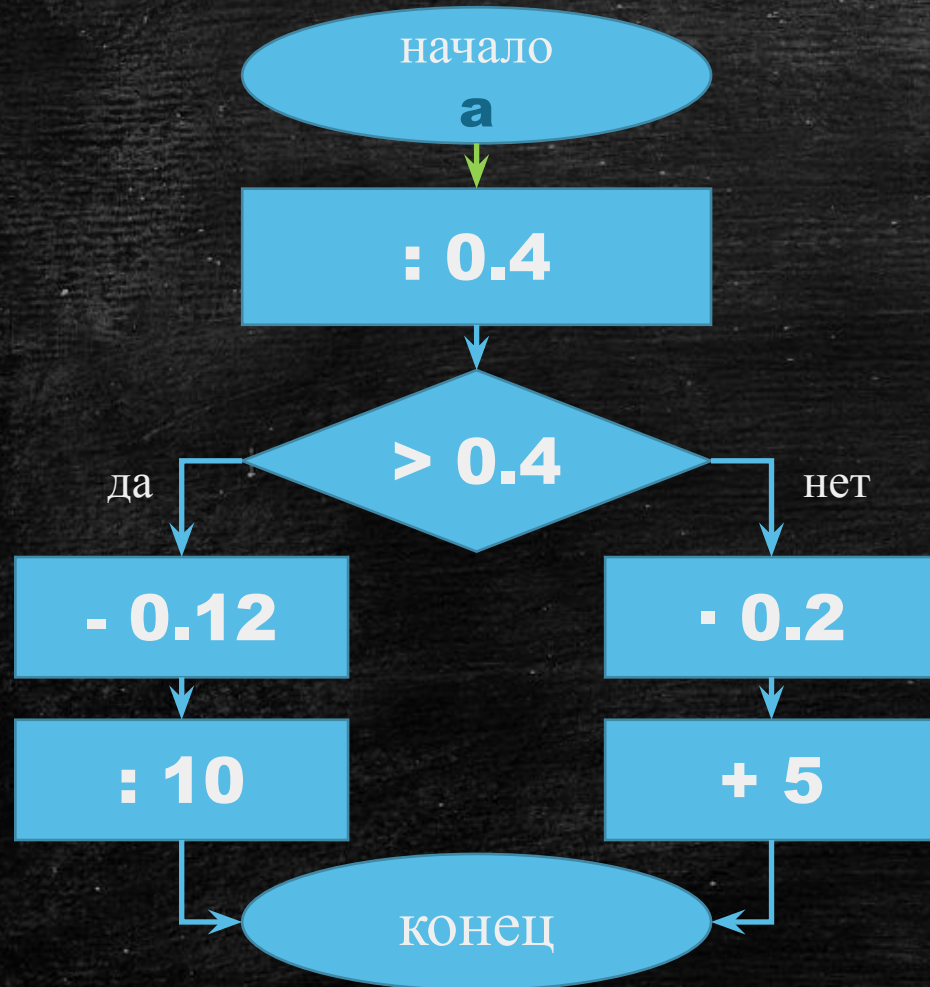
Ответ: **1.988**

Упражнение 3.2



a = 2

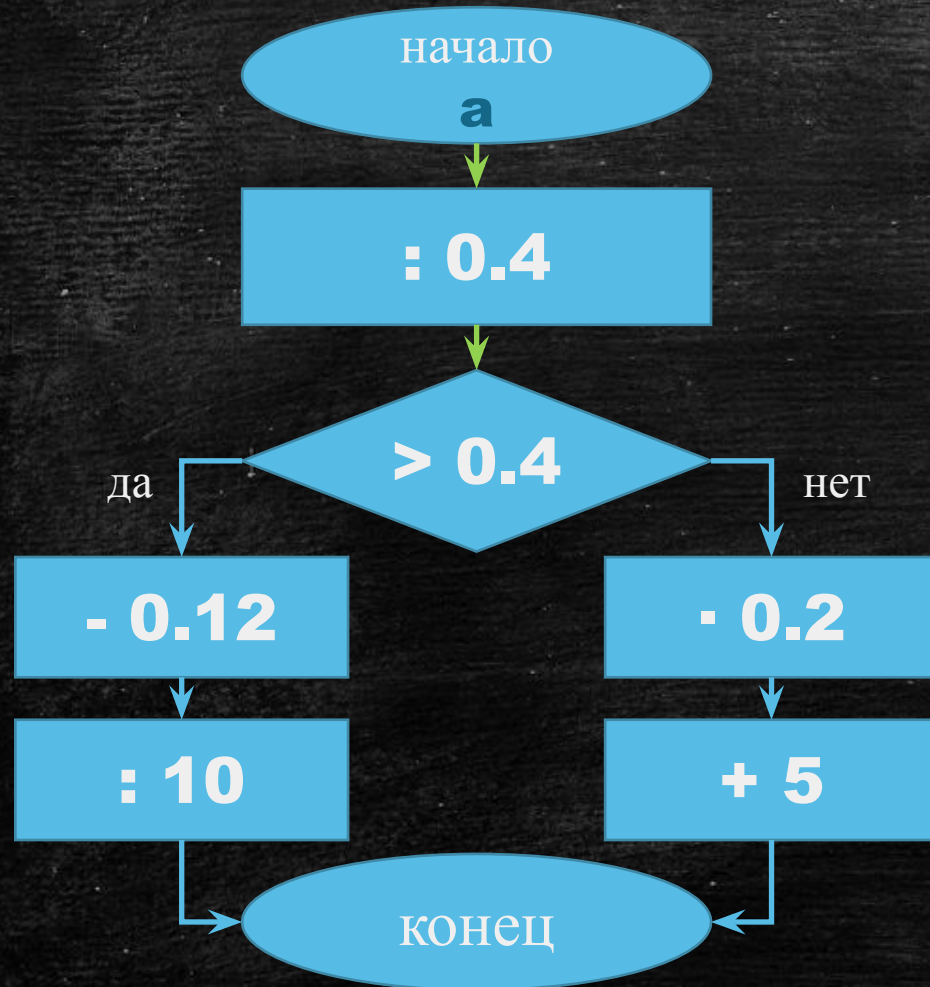
Упражнение 3.2



$$a = 2$$

$$2 : 0.4 = 20 : 4 = 5$$

Упражнение 3.2

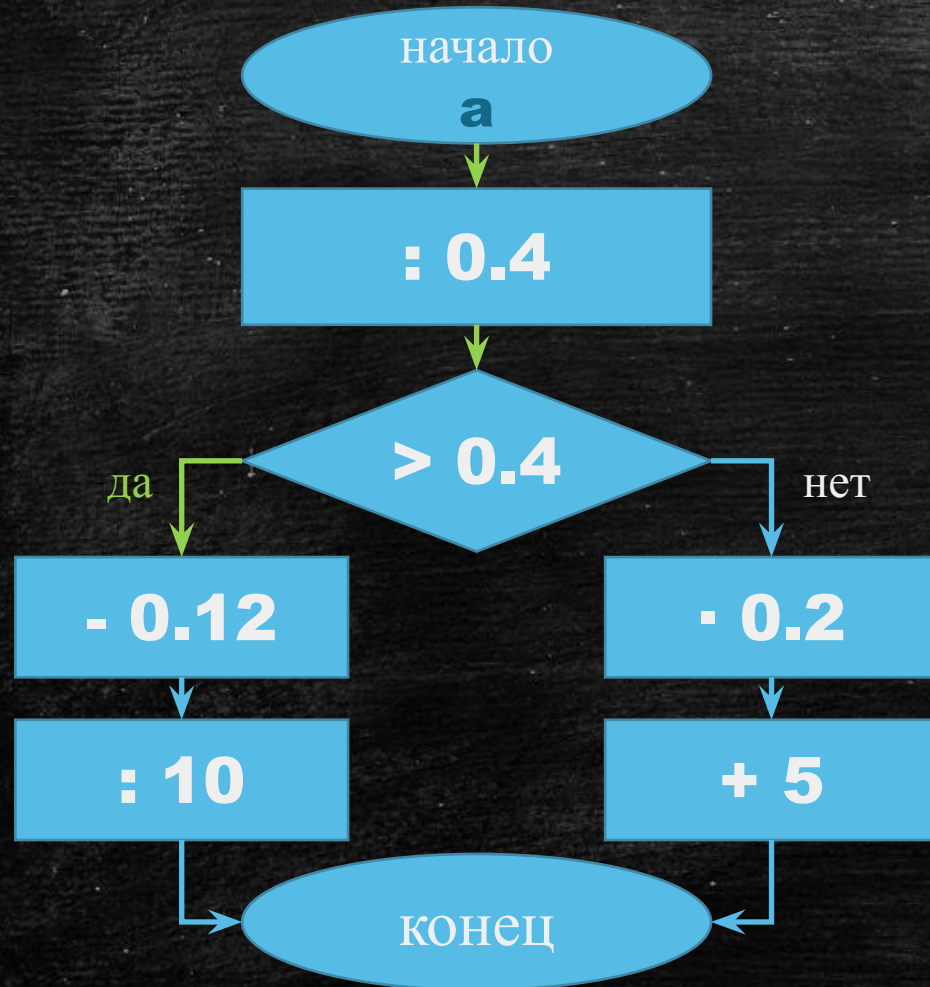


$$a = 2$$

$$2 : 0.4 = 5$$

$$5 > 0.4$$

Упражнение 3.2



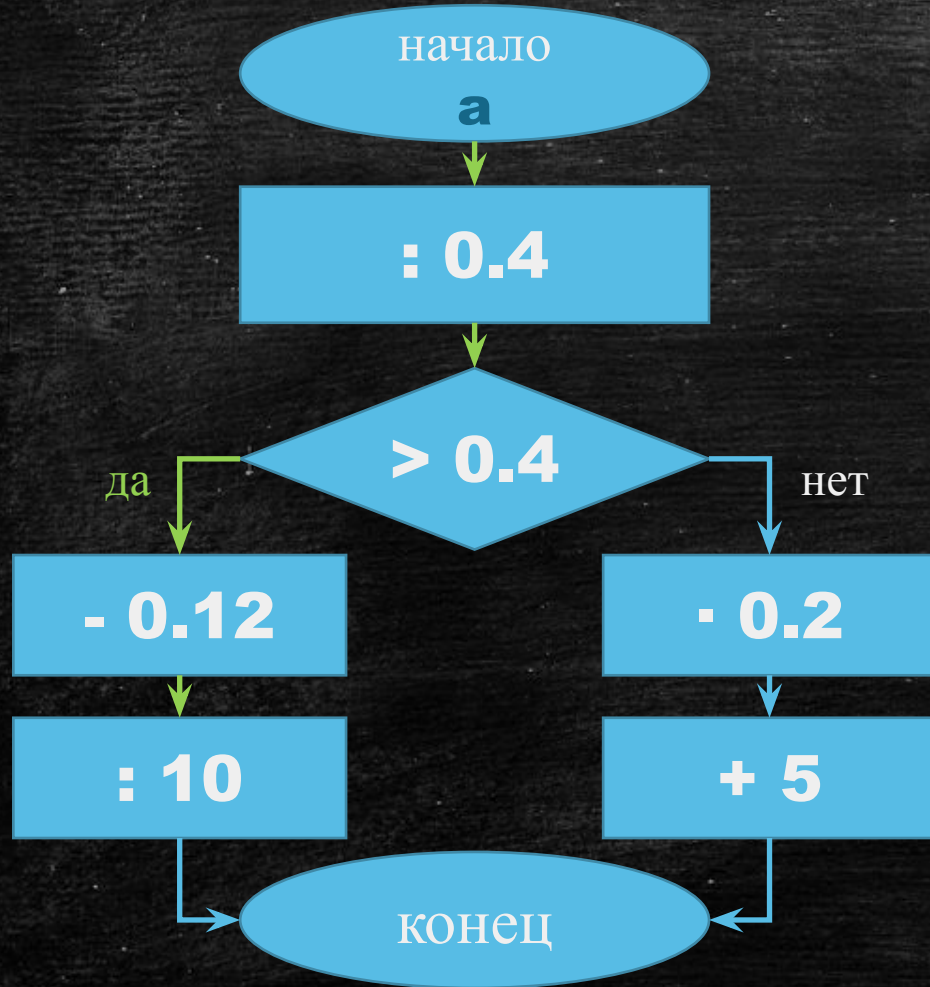
$$a = 2$$

$$2 : 0.4 = 5$$

$$5 > 0.4$$

$$5 - 0.12 = 5.00 - 0.12 = 4.88$$

Упражнение 3.2



$$a = 2$$

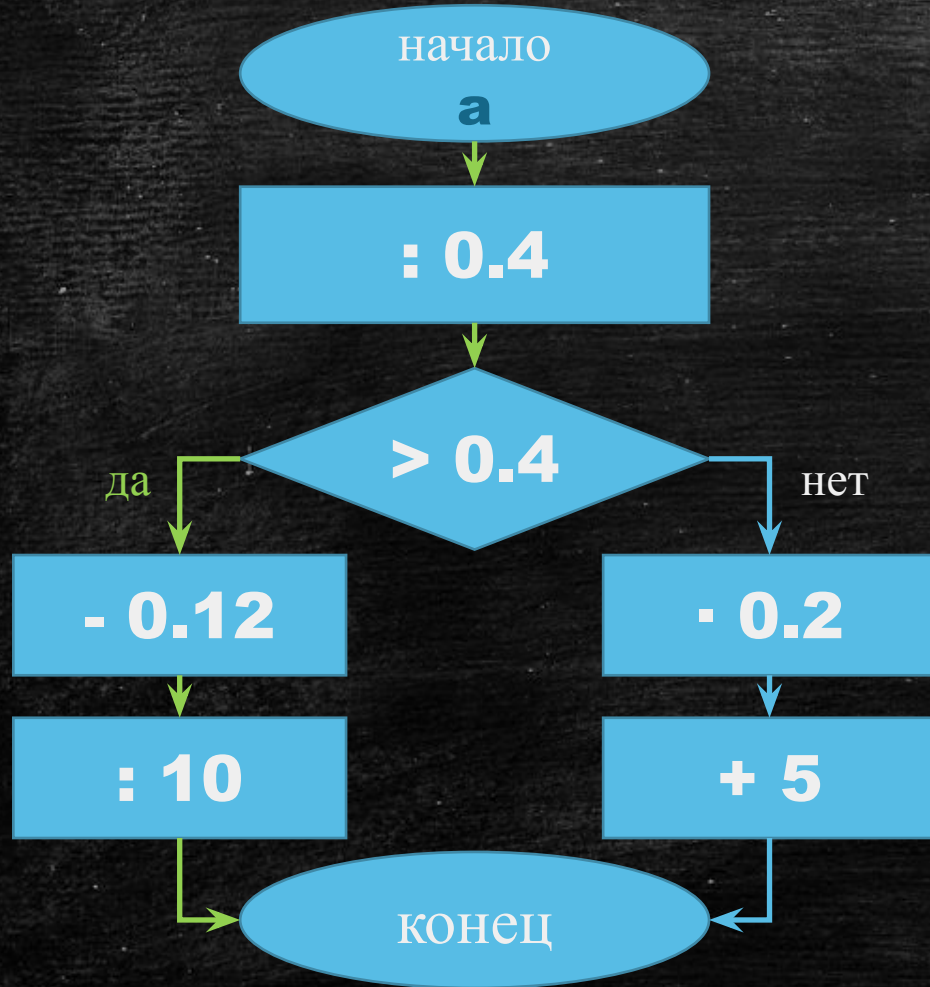
$$2 : 0.4 = 5$$

$$5 > 0.4$$

$$5 - 0.12 = 4.88$$

$$4.88 : 10 = 0.488$$

Упражнение 3.2



$$a = 2$$

$$2 : 0.4 = 5$$

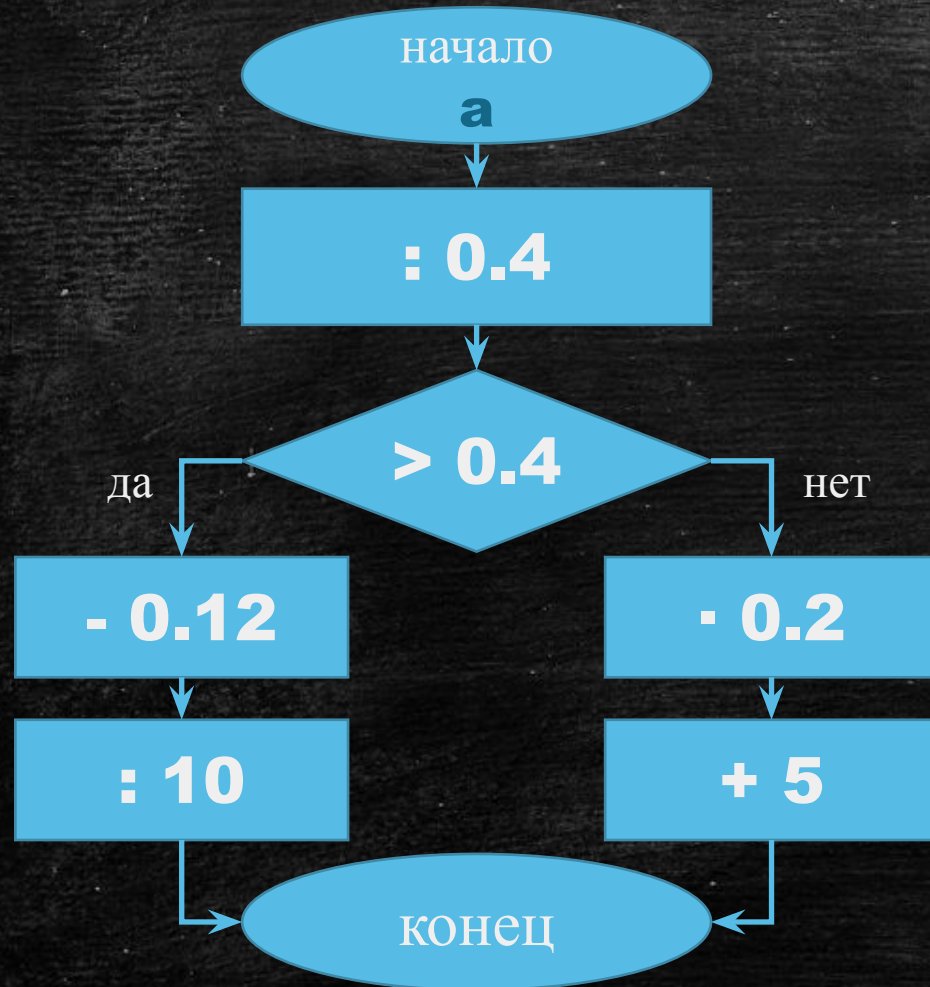
$$5 > 0.4$$

$$5 - 0.12 = 4.88$$

$$4.88 : 10 = 0.488$$

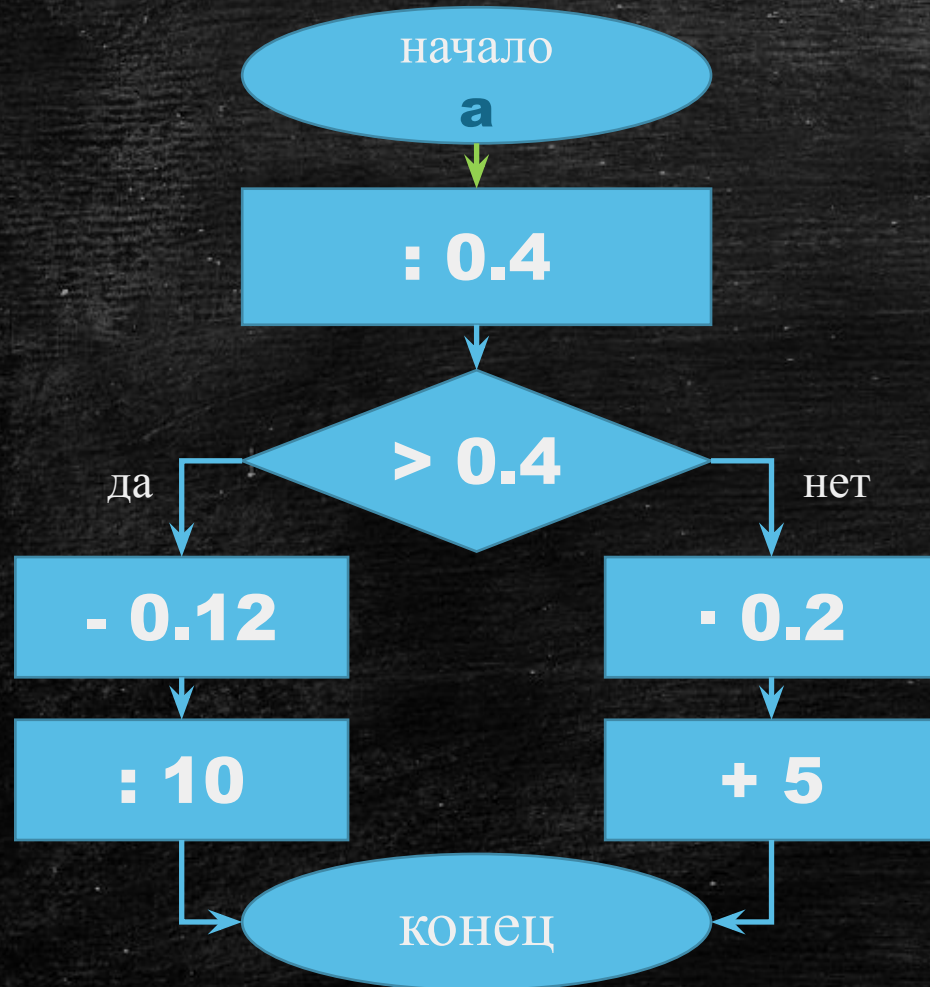
Ответ: **0.488**

Упражнение 3.3



a = 0.16

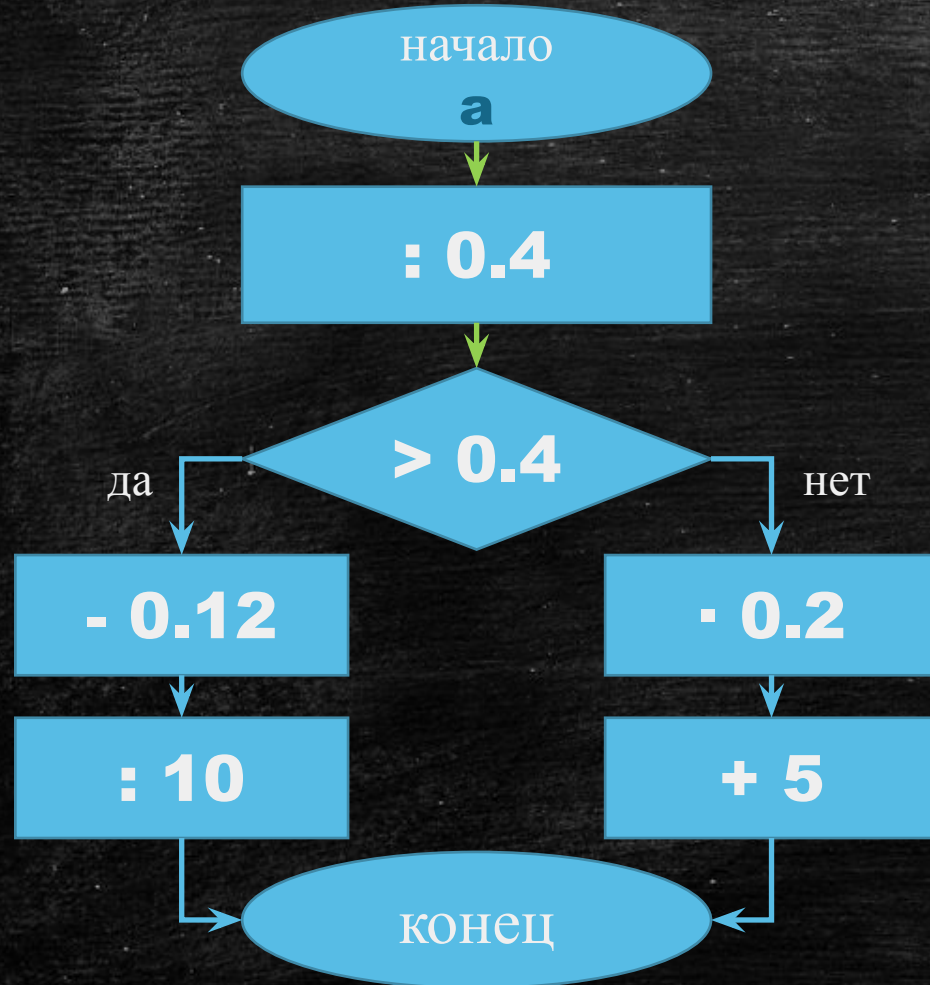
Упражнение 3.3



$$a = 0.16$$

$$0.16 : 0.4 = 1.6 : 4 = 0.4$$

Упражнение 3.3

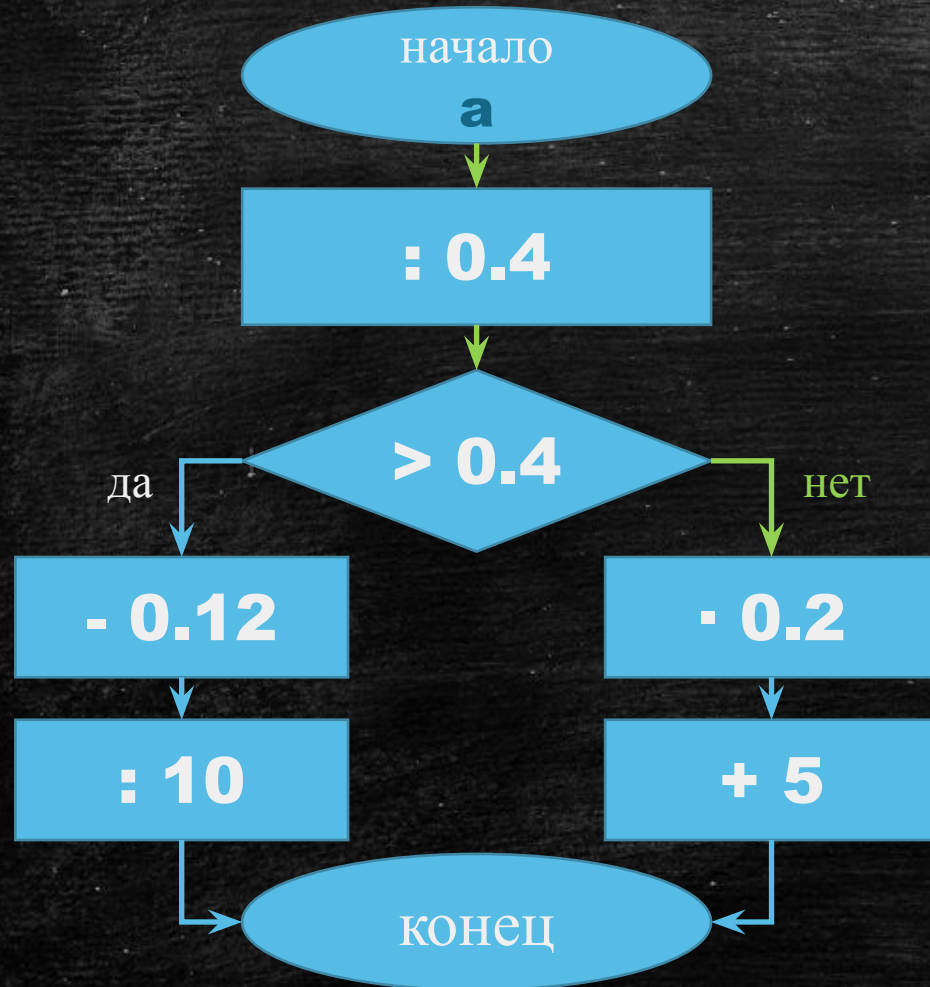


$$a = 0.16$$

$$0.16 : 0.4 = 0.4$$

$$0.4 = 0.4$$

Упражнение 3.3



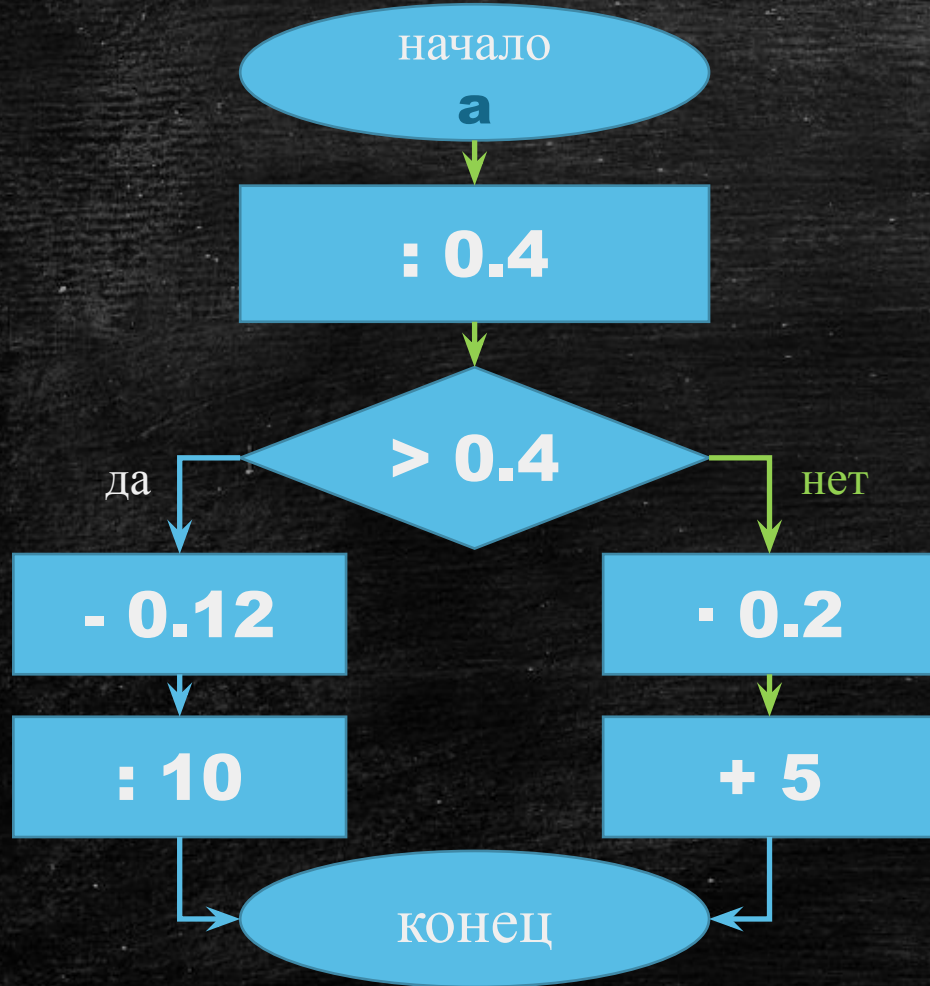
$$a = 0.16$$

$$0.16 : 0.4 = 0.4$$

$$0.4 = 0.4$$

$$0.4 \cdot 0.2 = 0.08$$

Упражнение 3.3



$$a = 0.16$$

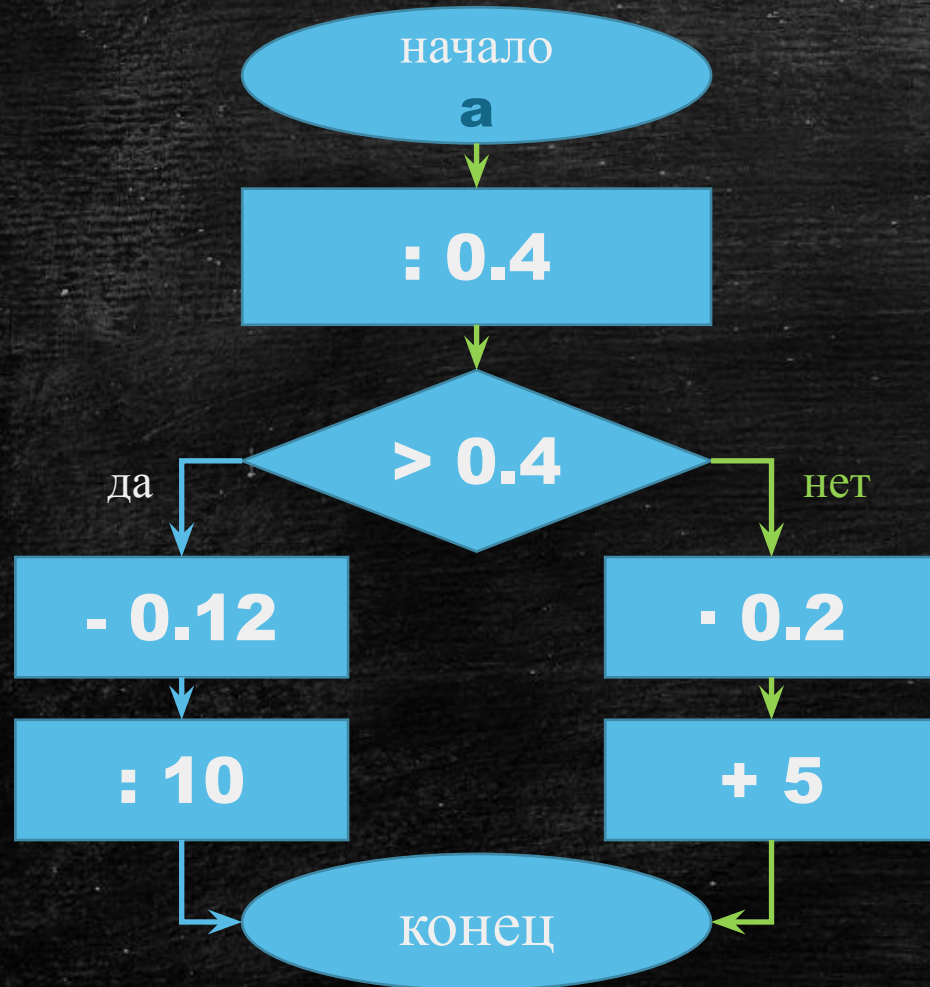
$$0.16 : 0.4 = 0.4$$

$$0.4 = 0.4$$

$$0.4 \cdot 0.2 = 0.08$$

$$0.08 + 5 = 5.08$$

Упражнение 3.3



$$a = 0.16$$

$$0.16 : 0.4 = 0.4$$

$$0.4 = 0.4$$

$$0.4 \cdot 0.2 = 0.08$$

$$0.08 + 5 = 5.08$$

Ответ: **5.08**