

Output

[Clear](#)

/tmp/GAczzG2Eyo.o

BOOTH'S MULTIPLICATION ALGORITHM

Enter two numbers to multiply:

Both must be less than 16

Enter A: 5

Enter B: 3

Expected product = 15

Binary Equivalents are:

A = 11111

B = 00011

B'+ 1 = 11101

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SUB B: 11101:11111

AR-SHIFT: 11110:11111

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AR-SHIFT: 11111:01111

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AR-SHIFT: 11111:10111

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AR-SHIFT: 11111:11011

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AR-SHIFT: 11111:11101

Product is = 111111101