

LOOP LDA counter

How to halve a number:

Input and store the number. Add one to a counter and store. Subtract two from the number and store. Loop back around to adding one to the counter while the number is positive. Subtract one from the counter, output the counter.

That is your number halved!

LDA counter

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STA counter

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ADD one

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INP number

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BRP LOOP

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SUB two

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HLT

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SUB one

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OUT

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