

Enter no. of bits: 16

Enter dividend: 12

Enter divisor: 24

Dividend: 0000000000001100

Divisor: 00000000000011000

Cycle 1: 1111111111010000000000000011000

Cycle 2: 1111111111010000000000000011000

Cycle 3: 111111111101000000000000001100000

Cycle 4: 111111111101000000000000001100000

Cycle 5: 11111111110100000000000000110000000

Cycle 6: 11111111110100000000000000110000000

Cycle 7: 11111111110100000000000000110000000

Cycle 8: 11111111110100000000000000110000000

Cycle 9: 11111111110100000000000000110000000

Cycle 10: 1111111111010000000000000000000

Cycle 11: 1111111111010000000000000000000

Cycle 12: 1111111111010000000000000000000

Cycle 13: 1111111111010000000000000000000

Cycle 14: 1111111111010000000000000000000

Cycle 15: 1111111111010000000000000000000

Cycle 16: 1111111111010000000000000000000

Result: 1111111111010000000000000000000

Quotient=0

Remainder=65524