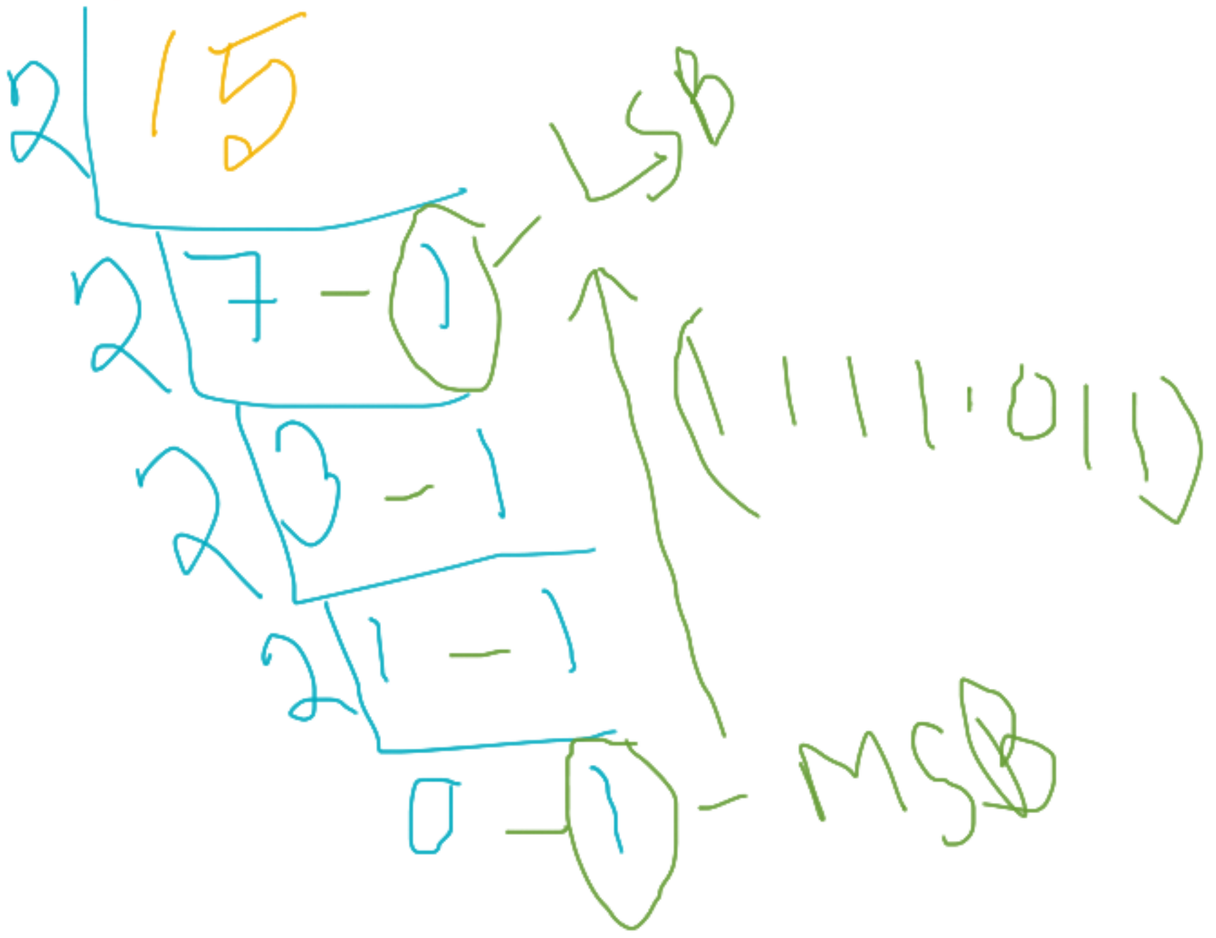
$(15.50)_{10} = (\quad)_2 = (1111.1)_2$

2 | 15

.50
x 2
1 0 0

$(15.375)_{10} = (\quad)_2$



15.45

$(1111.01110\ldots)_2$

.45

×2

0.90

×2

1.80

×2

1.60

×2

1.20

×2

0.40

$(30.47)_8 = (\quad)_2$

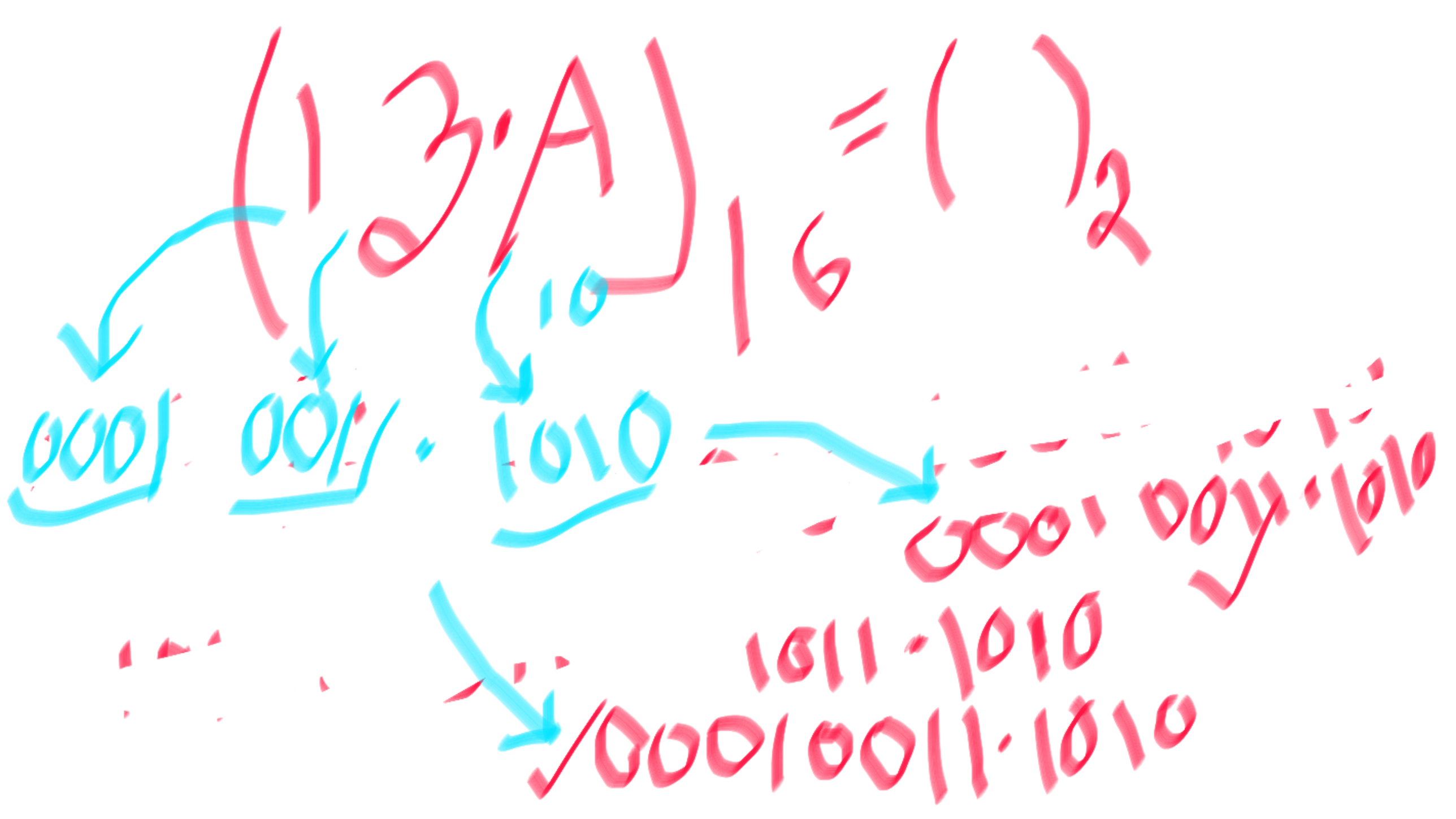
011 000 . 100 111

$(011000.100111)_2$

2^3

2^4

2^{-1}



$(65.77)_{10} = (\quad)_8 = (\quad)_{16}$

$8 \mid 65$ — $8 \mid 8 - 1$ — $8 \mid 1 - 0$ — $0 - 1$

$(101.61212\ldots)_8$

0.77×8

6.16

0.16×8

1.28

0.28×8

2.24

0.24×8

1.92

$\vdots$

$65.77 = (41.C51\ldots)_{16}$

$$\begin{array}{r|l} 16 & 65 \\ \hline 16 & 4 - 1 \\ \hline & 0 - 4 \end{array}$$

$.77 \times 16 = 12.32$

$.32 \times 16 = 5.12$

$.12 \times 16 = 1.92 \ldots$

$(1CE.65)_{16} = (716.312)_8$

000 111 001 110 . 011 001 010

1 7 1 6 . 3 1 2