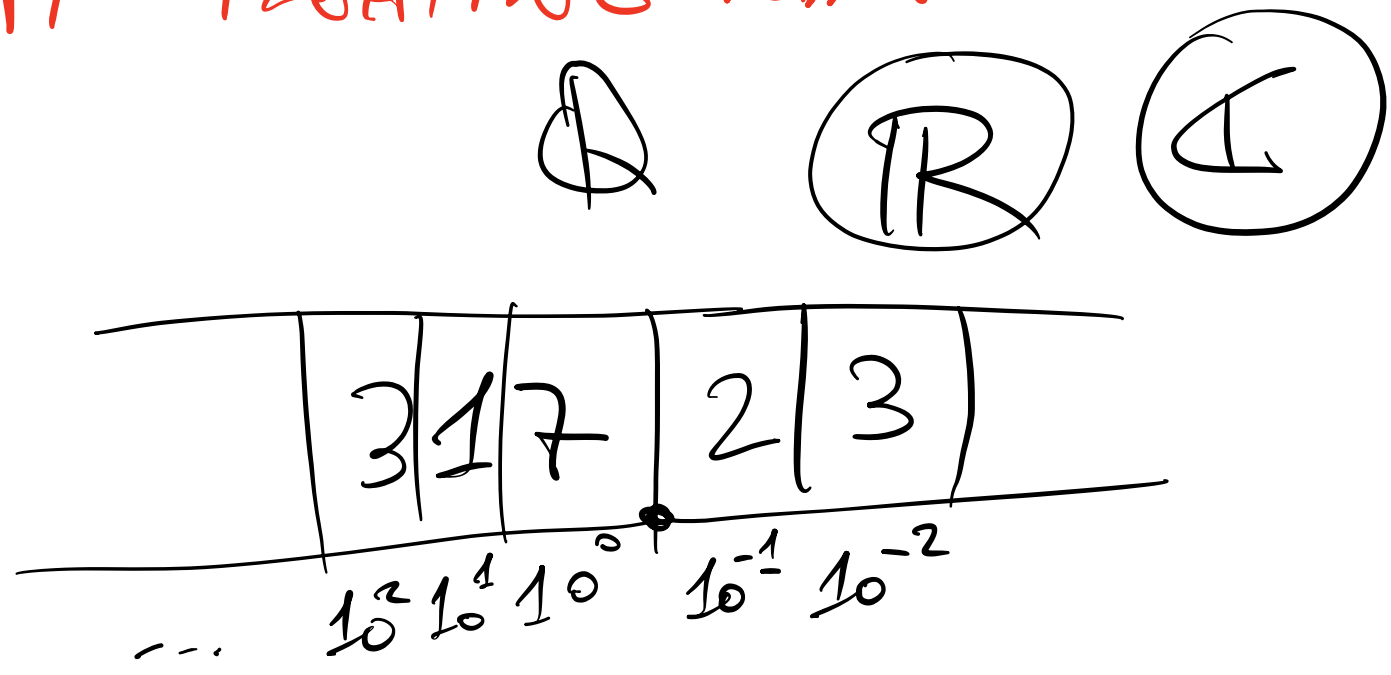
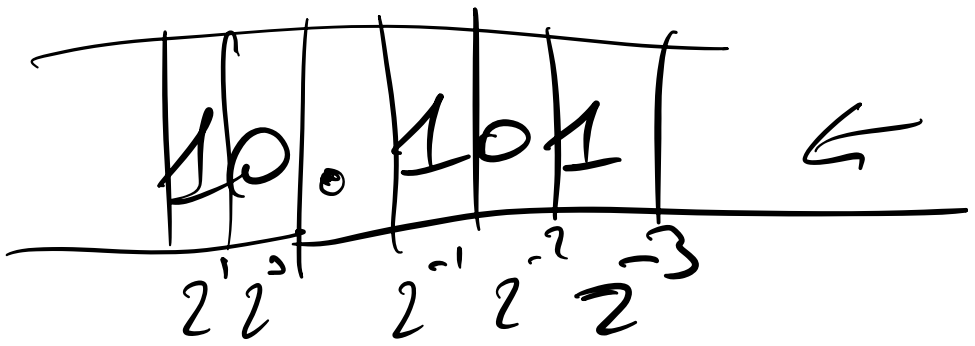
TIPI FLOATING POINT





$$2^1 + 2^{-1} + 2^{-3} =$$

$$= 2 + \frac{1}{2} + \frac{1}{8} =$$

$$= 2.625$$

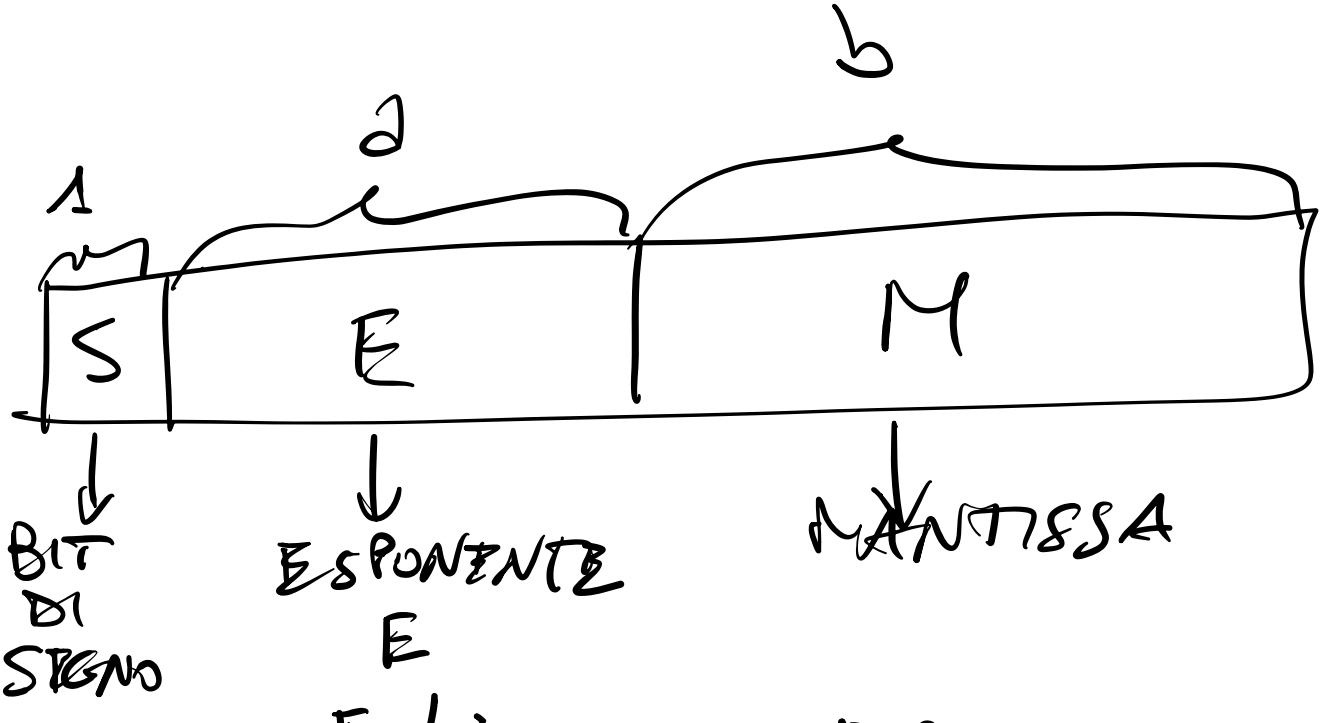
$\frac{1}{2} = 0.5000000\ldots$

$\frac{1}{8} = 0.1250000\ldots$

$\frac{1}{3} = 0.333333\ldots$

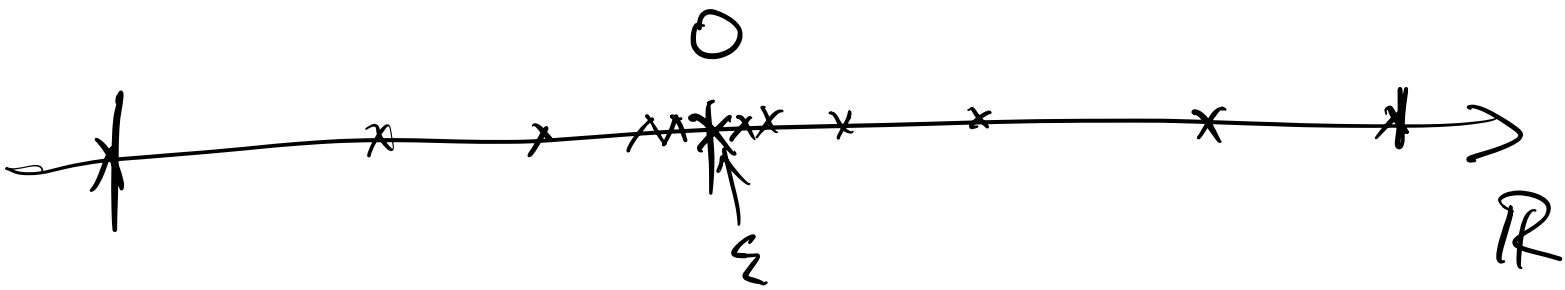
$0.\overline{3}$

0.2



$(-1)^2 \quad 1.1($

	#BIT	#BYTE		
float32	32	4	a = 8 b = 23 bias = 127	$\pm 3.4 \cdot 10^{38}$ $\varepsilon = 10^{-45}$
float64	64	8	a = 11 b = 52 bias = 1023	$\pm 1.7 \cdot 10^{308}$ $\varepsilon = 10^{-324}$



complex 64

complex 128

var z complex 128

z = 3.7 + 4i

fmt.Println(z*z)