

var x, y int8

$$x = y + 5$$

var x, y uint16

$$x = y + 5$$

$$i := x + y$$

$$i := 17$$

5

14

1567

$$\underbrace{0x1A}$$

$$\underbrace{0}$$

var x int

$$x = 0x1A + 3 + 017$$

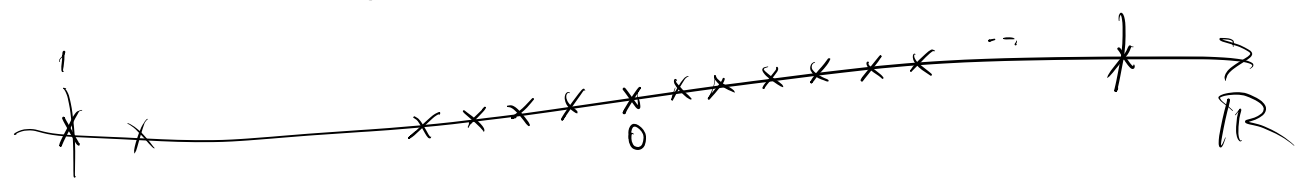
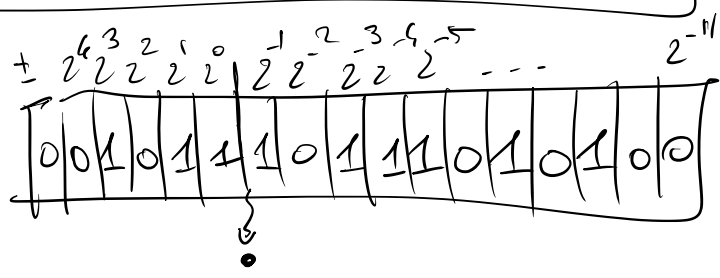
16^1

16^0

1	A
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$$\begin{aligned}
 & 1 \times 16^1 + 10 \times 16^0 = \\
 & = 16 + 10 = 26
 \end{aligned}$$

RAPPRESENTAZIONI DI NUMERI FLOATING POINT



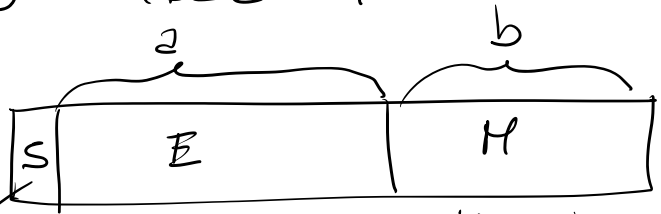
$$1.15 E + 38 \rightarrow 1.15 \cdot 10^{38}$$

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└──┬──┘
 MANDISA ESPON.

$$1.15 E - 38 \rightarrow 1.15 \cdot 10^{-38}$$

- SECONDO

IEEE 754



BIT DI SEGNO

$$(-1)^S \cdot 2^{E - \text{bias}} \cdot 1.M$$



... (Dato) ...

TYPE	BIT	BYTE	
float32	32	4	a=8 b=23 bias=127
float64	64	8	a=11 b=52 bias=1023

$$\frac{1}{10} = 0.1 \rightarrow 0,000110011001100110011$$

$$2^{-4} \cdot 1.1001100110011$$

$$21.3501$$

$$21.3E7$$

$$\underline{\text{var}} \times \text{float64}$$

$$x = 1.3E7$$

$$x = \underline{3 + 5i}$$

$$i^{-2} = -1$$

$$x^2 = (3 + 5i)(3 + 5i) =$$

$$= 9 + 15i + 15i + 25i^2 =$$

$$= 9 - 25 + 30i = -16 + 30i$$

complex 64

complex 128

CARATTERI

STANDARD US-ASCII

A ... Z

a ... z

0, ... 9

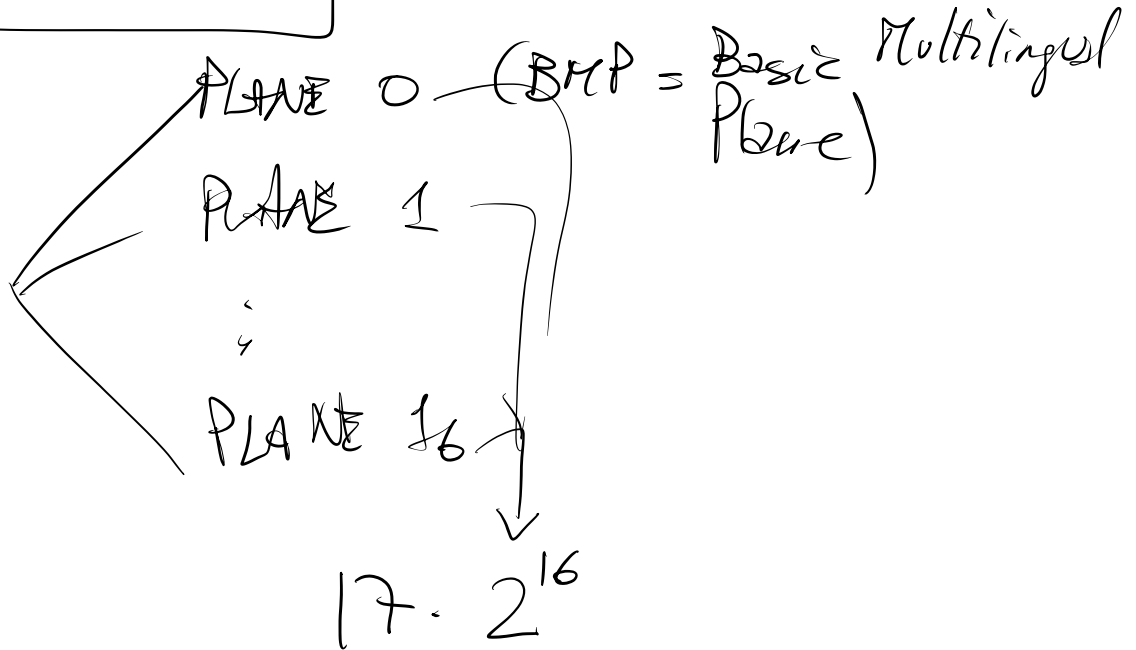
, ; . : !

\$

	RAMPR. 7bit	
0	000 0000	
1	000 0001	\$
⋮	⋮	A
⋮	⋮	Z
127		z

ISO-8859-1

Unicode



TIPD rune (= int32)

```
var x rune
x = 97
fmt.Println(x)
fmt.Println(string(x))
```

x = 'a'

8

← POS. DECIMALE 8984

VAR x NUME

x = 8984

x = '8'

x = 0x2318

CODICE ESTABE.

4 CIFRE

x = '\u002318'

8 CIFRE

x = '\u00002318'