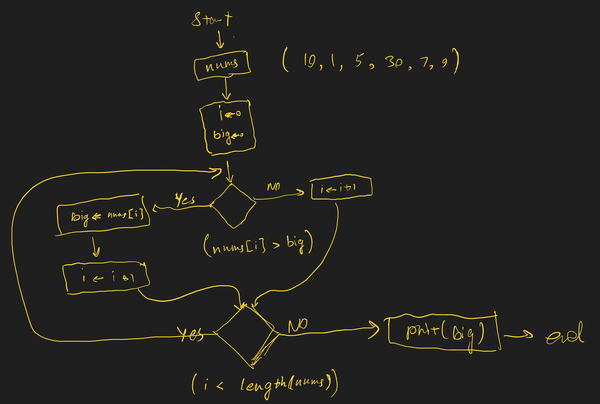
(10 , ~~1~~ , ~~5~~ , 30 , ~~7~~ , 9) ← الگوریتم ! بدون حل مسئله

(1, 5 , 7, 9 , 10 , 30)

Flow Chart



$(4592)_{10} = 2\times10^0 + 9\times10^1 + 5\times10^2 + 4\times10^3$

$(0110)_2 = 0\times2^0 + 1\times2^1 + 1\times2^2 + 0\times2^3$

$(7450)_8 = 0\times8^0 + 5\times8^1 + 4\times8^2 + 7\times8^3$

40 256 3584

$(1F5A)_{16} = 10\times16^0 + 5\times16^1 + 15\times16^2 + 1\times16^3$

$(a_1, a_2, \dots, a_n)_b = \sum_{i=1}^{n} a_i \times b^{n-i}$

0000	0000	0000
0001	0001	⋮
0002	0010	0009
⋮	0011	000A
0009	0100	000B
0010		000C
0011		⋮
		000F
		0010

$(352)_{10} \to (?)_2$

1 0 1 1 0 0 0 0

96

32

0

1	64 → 6
2	128
4	256 → 8
8	512 → 9
16	1024
32	2048 → 11
	4096

$(4500)_{10} \to (?)_{16}$

$(1311)_{16}$

404

20

4

1	0	⇒ 4
16	1	⇒ 1
128	2	⇒ 3
4096	3	⇒ 1

$(8BAD)_{16}$

1000 1011 1010 1101

8	A	C
4	2	2
1	0	1

R (0-255) 256

G " 256

B " 256 $(256)^3$ 16.7M

#_____

R G B

1111 1111

1000 10^3

$2^{10} \approx 1024$

bit → 2

byte → 256 10^2

kb → 1024 bit

mb → $2^{10} \times 2^{10}$ bit

gb → 2^{30} bit

C++

C

Pascal

AI ← زبان ← برنامه نویسی

Web

Cyber

X ← Java Script

برنامه نویس

برنامه نویس

01 0/1

Imitation Game

1950 ASM

1970 C → turing Complete

1980 C++ → ..

1991 Python → Guido Van Rossum

1990

2000