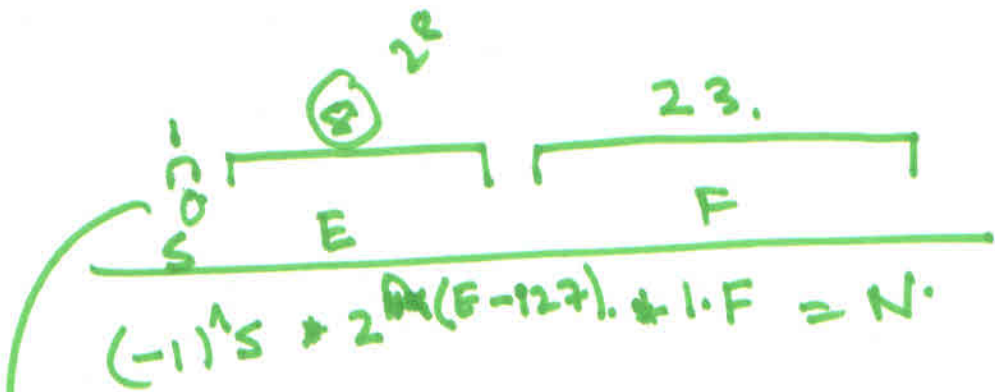
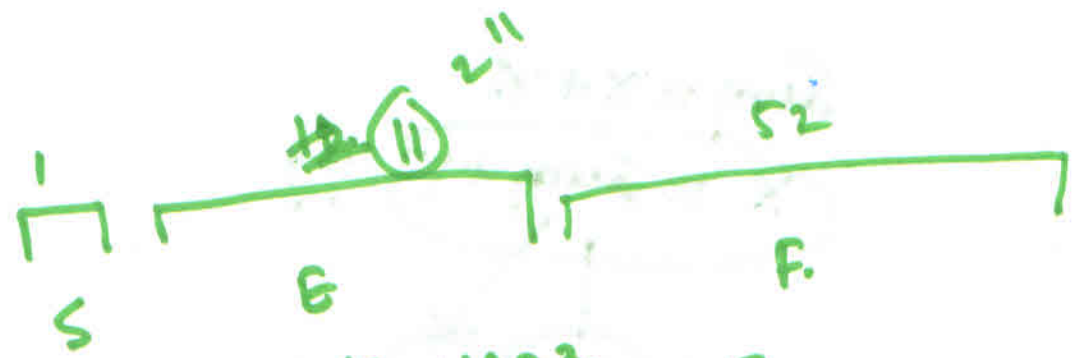


①

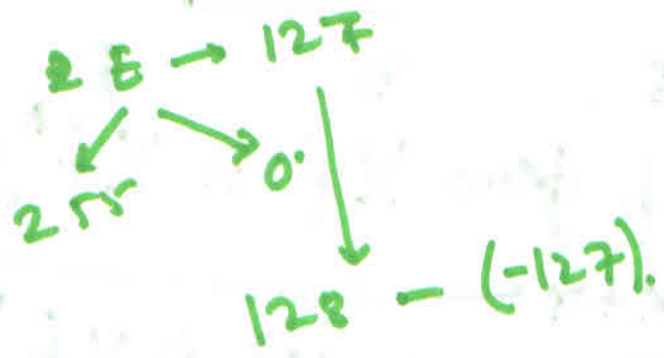


$$(-1)^S * 2^{E-128} * 1.F = N$$

Sign.



$$(-1)^S * 2^{E-1023} * 1.F$$

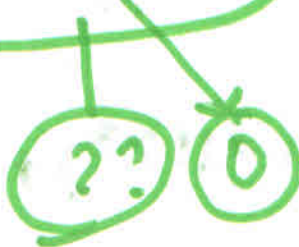


Biggest No. → 1.83860×2^{128}

By KOMAL

Sum = x + y.

X = Sum + Y ??



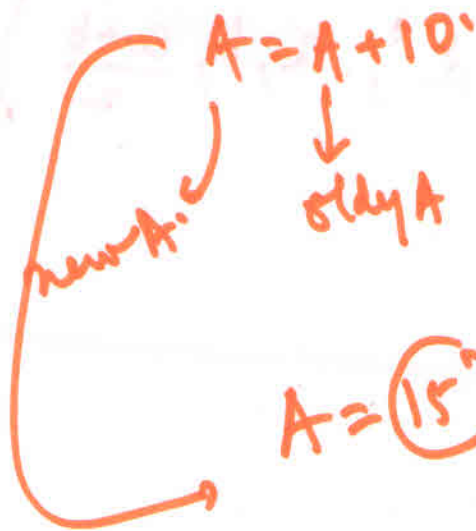
Assignment in a macro

```
printf("%f plus %f is %f", x, y, x+y)
printf z = x + y
printf("%f plus %f is %f", x, y, (z))
```



```
scanf("%d", &kd);
scanf("%c", &kc);
flush();
c = getch();
scanf("%c", &kc);
```

$x = 5$



$a += b \Rightarrow a = a + b$

$a = 5, b = 10$

$a += b = 15$

$a++;$

$a = 5$

$a++;$

$\text{printf}("%d", a);$

$a = 5$
 $++a$

$\text{printf}("%d", a)$

→ 6

→ 6

$\text{printf}("%d", ++a);$ $\text{printf}("%d", a++)$

pre increment

$a = a + 1$
 $\text{printf}("%d", a);$

$\text{printf}("%d", a);$

$a = a + 1;$
 post increment.

`printf ("%.3d %.3d %.5d", a, b, $\frac{a+b}{2}$);`

`a = 1000, b = 50;`

100/010/00525
1000-50--525 ✓

`scanf ("%3d", &a);`

5215

`c = a < b;`

`int c, a;`
`char b;`
`scanf ("%d", &a);` → ⑤
`scanf ("%c", &b);` → ⑥

`c = a + b;`
`printf ("%d", c);`

a = 5

printf("%d", a++); ~~5~~ 6
printf("%d", a); ~~5~~ 6

a = 5
printf("%d", ++a); 6
printf("%d", a); 6

int \rightarrow long \rightarrow float \rightarrow double...

long int. a;

int c, d;
a = (long int) c * d;

2^{31}

$10^9 + 10^7$

= 10^{16}

$8/5 = 1.6$

a = 8/5 * (c/d) \rightarrow float
int

float a, b;

int c;

c = a/b.

↓ = ①

a = 8.4

b = 7.2

if (A < B) || (A == B)

if (A <= B)

if ((A < B) || (B < A)).

~~if (! (A == B))~~

if (A != B)