Assignment 1:

	&	&&
	~	!

int	$x = 1$	0 0 . . 0 1
min signed	$x = x << 31$	1 0 0 0 0 0 0 . 0 0
max signed	$x = \sim x$	0 1 1 1 . . . 1

Maximum - Unsigned

Minimum - Signed int

Max - unsigned → 1 1 1 1 - - -

Min unsigned → 0 0 - -

Max - signed → 0 1 1 1 1 1

min unsigned

unsigned int $x = 0$ | 0 0 0 0 0

→ $x = \sim x$ | 1 1 1 1 1

max unsigned

Floating points:

Max. Float?

→ 0 11111110 1 1 - - - - (23) →

How to get?

(Unsigned int)

$x = 1$	000...01
$x = x << 31$	100...00
$y = 1$	000...01
$y = y << 23$	0000..100..
$z = x \oplus y$;	1000 100 ...
$z = \sim z$	011 . 100 ...

→ Max float

Unsigned int can not be printed as float?

Sol^n

```
float a;
memcpy(&a, &z, 4)
Printf("%f", a);
```

```
int main() {
    int a=1; int b=2 ;(
    c = add(a, b)
    d = max(a, b)
    k = pow(a, b)
}
```

jump & link

pow

jr

map

a1, a2