

①

```
int sum(int& a, int& b)
{
    int c = a + b;
    return c;
}
```

```
int main()
{
```

```
    char c = 'A';
```

```
    char z = 'B';
```

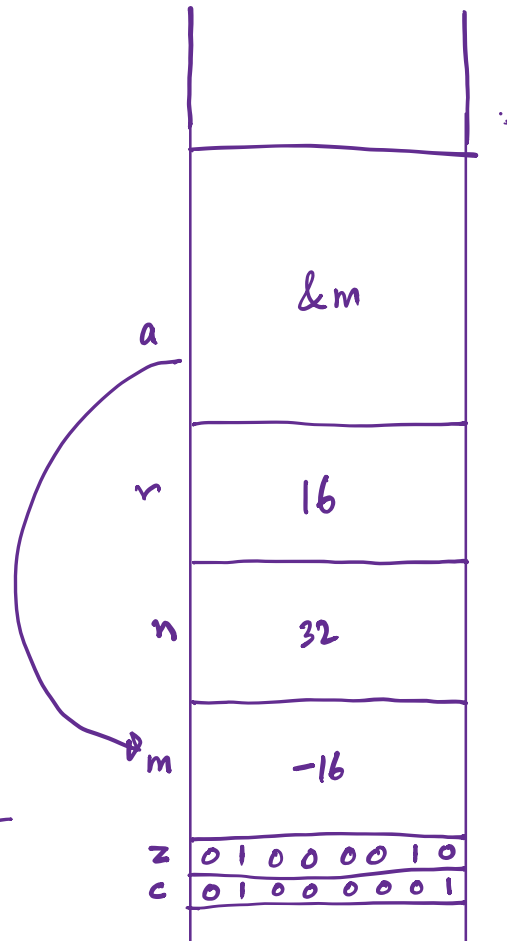
```
    int m = -16;
```

```
    int n = 32
```

```
    int r = sum(m, n);
```

```
    ...
```

```
}
```



② BITWISE OPERATORS

- AND
- OR
- XOR
- NOT
- LEFT SHIFT
- RIGHT "

		AND (&)	OR ()	XOR (^)
0	0	0	0	0
0	1	0	1	1
1	0	0	1	1
1	1	1	1	0

	NOT (~)
0	1
1	0

c ← 'A'	01000001
z ← 'B'	01000010
c & z	01000000
c z	01000011
c ^ z	00000011

~c 10111110

1
10
100
1000

RIGHT & LEFT SHIFT

$c \ll 1$

01000001
← ← ← ← ←
10000010

LEFT

$c \ll 2$

00000100

$c \gg 1$

00100000

RIGHT

$c = c + 3; \rightarrow$

$c += 3;$

$c = c \& 3;$

$c \&= 3;$

char z = 'B';

1: 00000001

mask

'B': 01010010 66
11101111

01000010

00010000

~