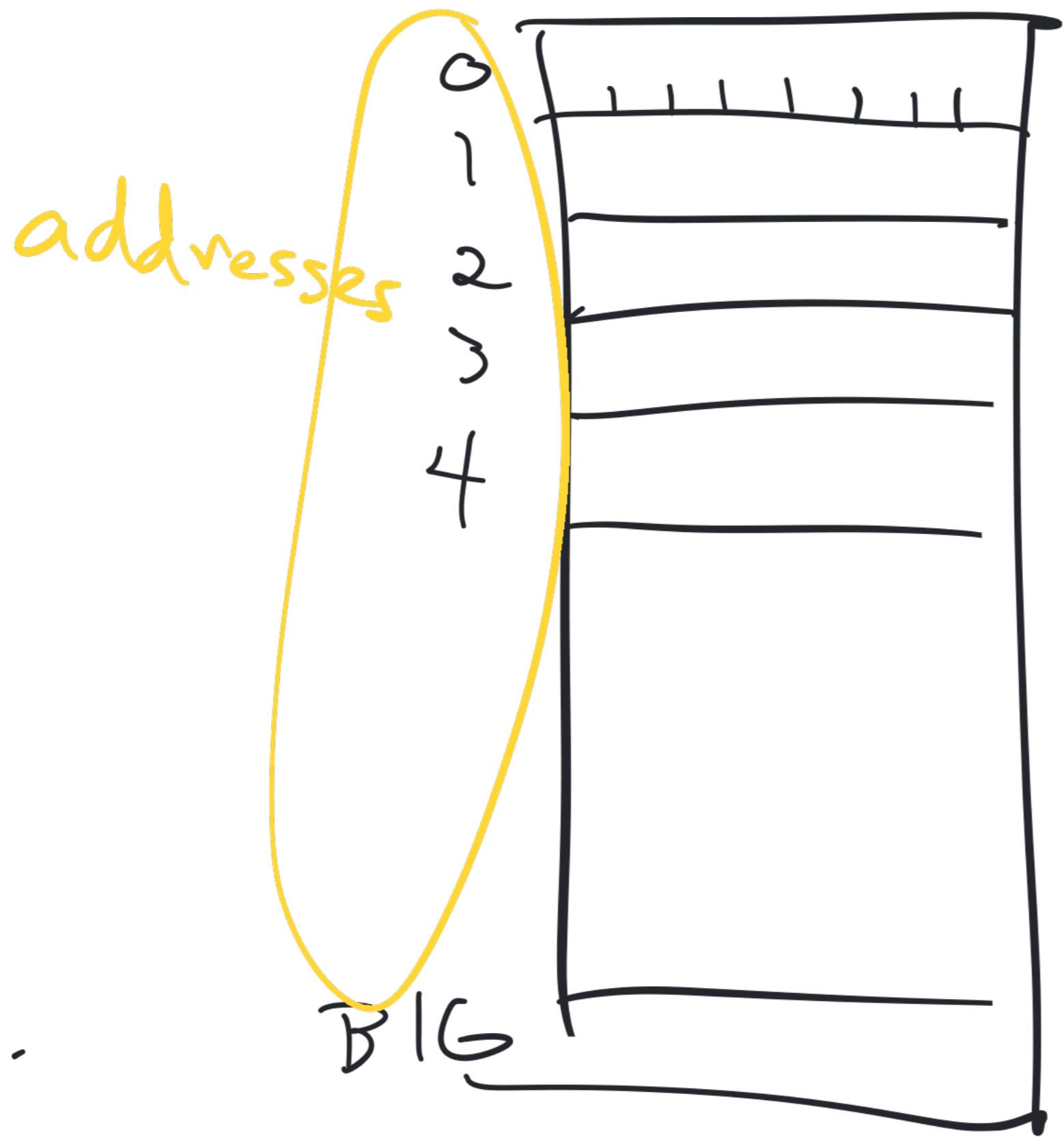



CS 208

9/13/23



Memory

Bit 
0 or 1
"binary digit"

Byte 8 bits


How many different bit patterns
can fit in a byte?

eg. 01010101

10111001

256

=

$$2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2 = 2^8$$

00000000

00000001

00000010

00000011

.

.

.

11111111

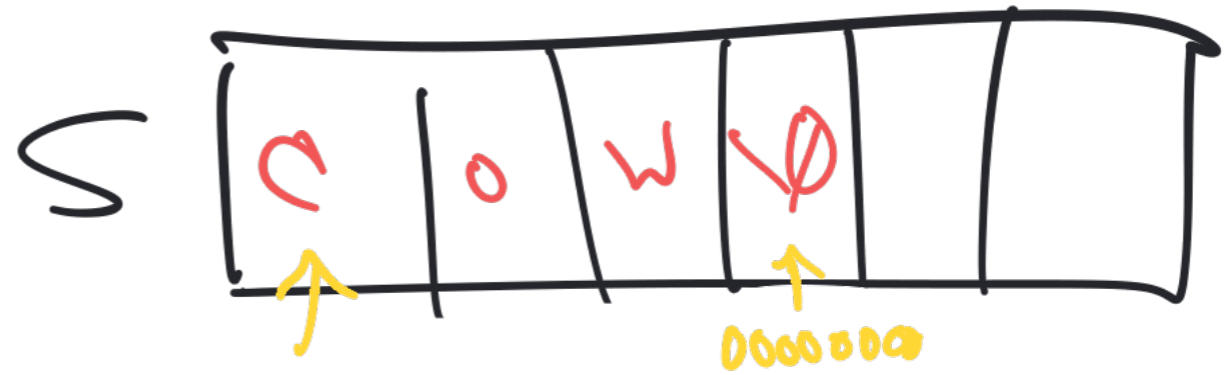
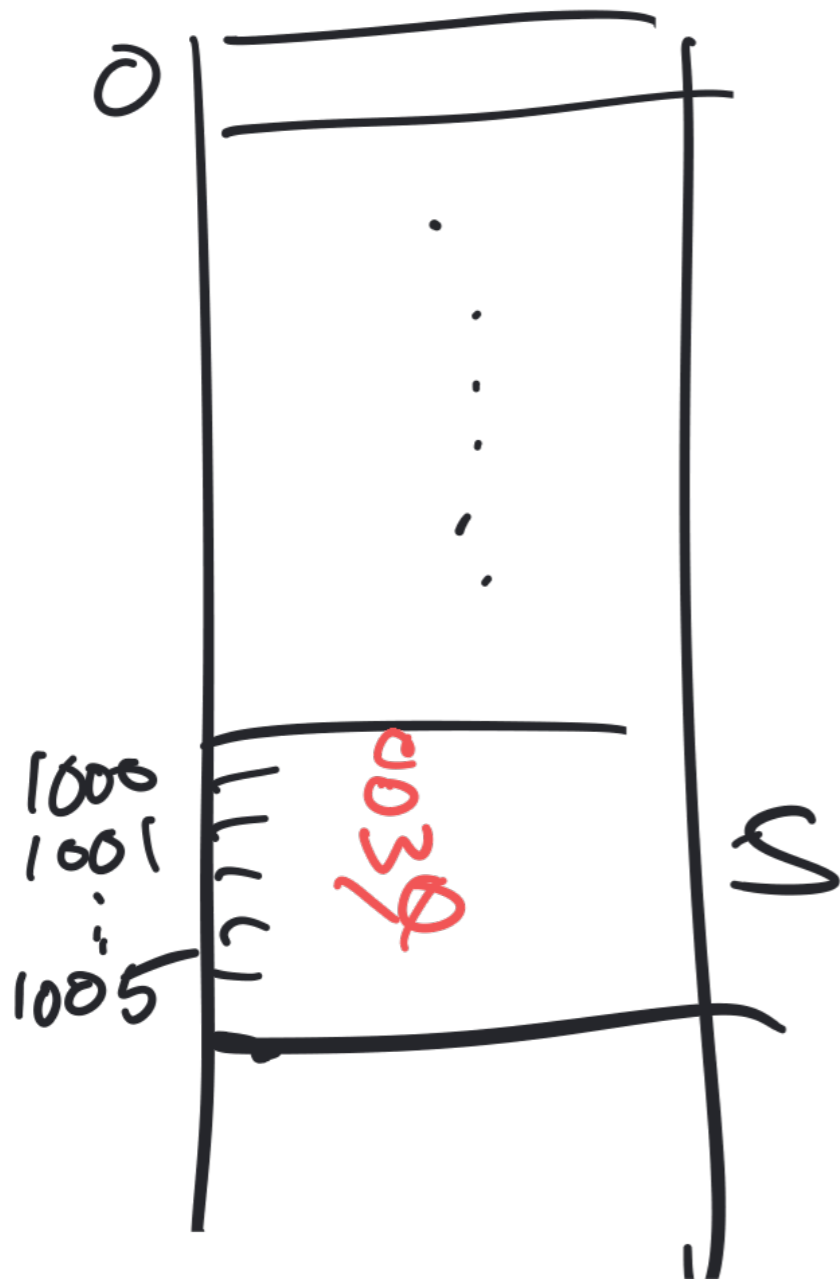
1960's IBM 360 project

Fred Brooks said

"bytes are 8 bits"

char s[6]; ← 6 bytes

~~strcpy(s, "cow");~~
BAD



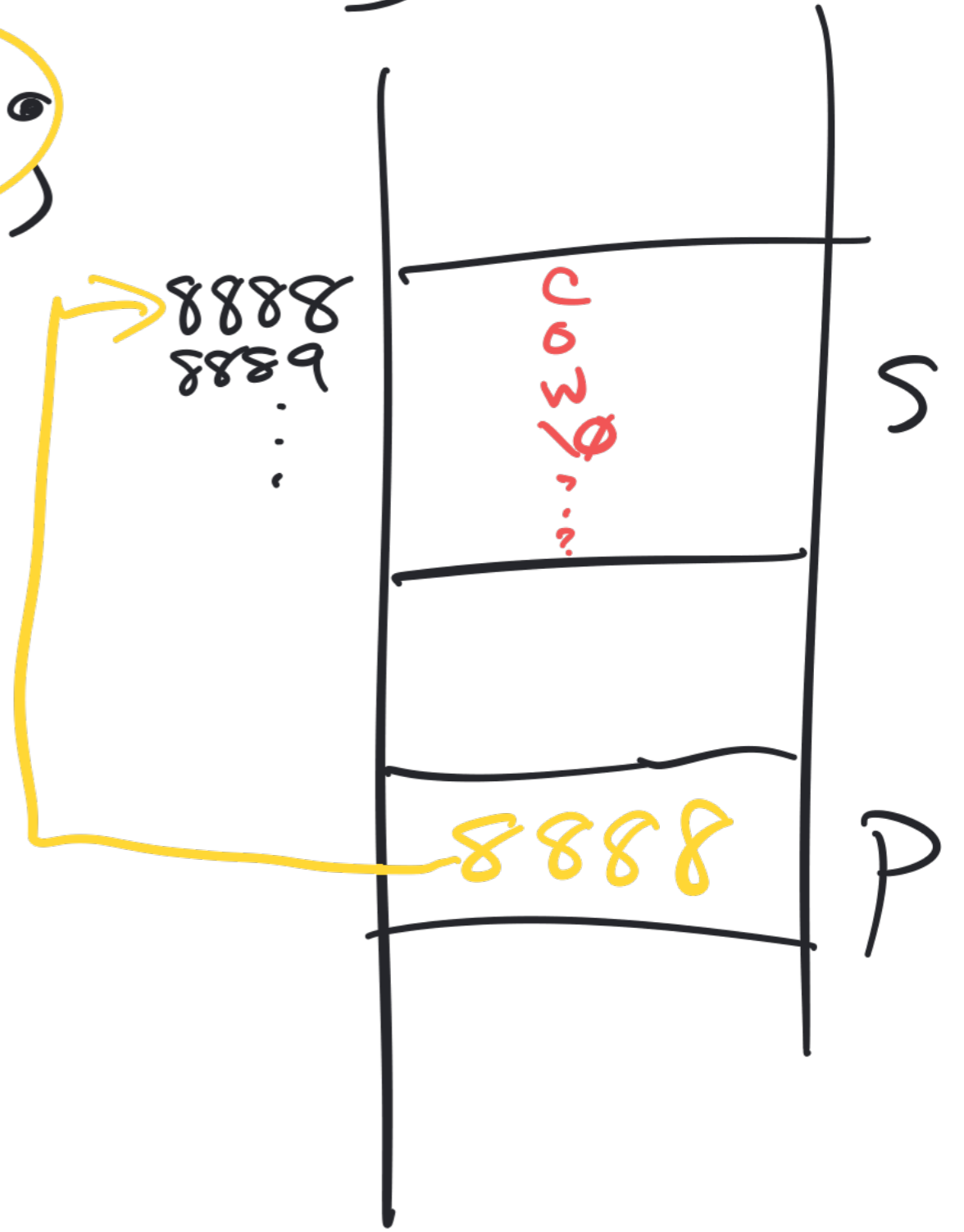
strncpy(s, "cow", 6);

```
char s[6] = "cow";
```

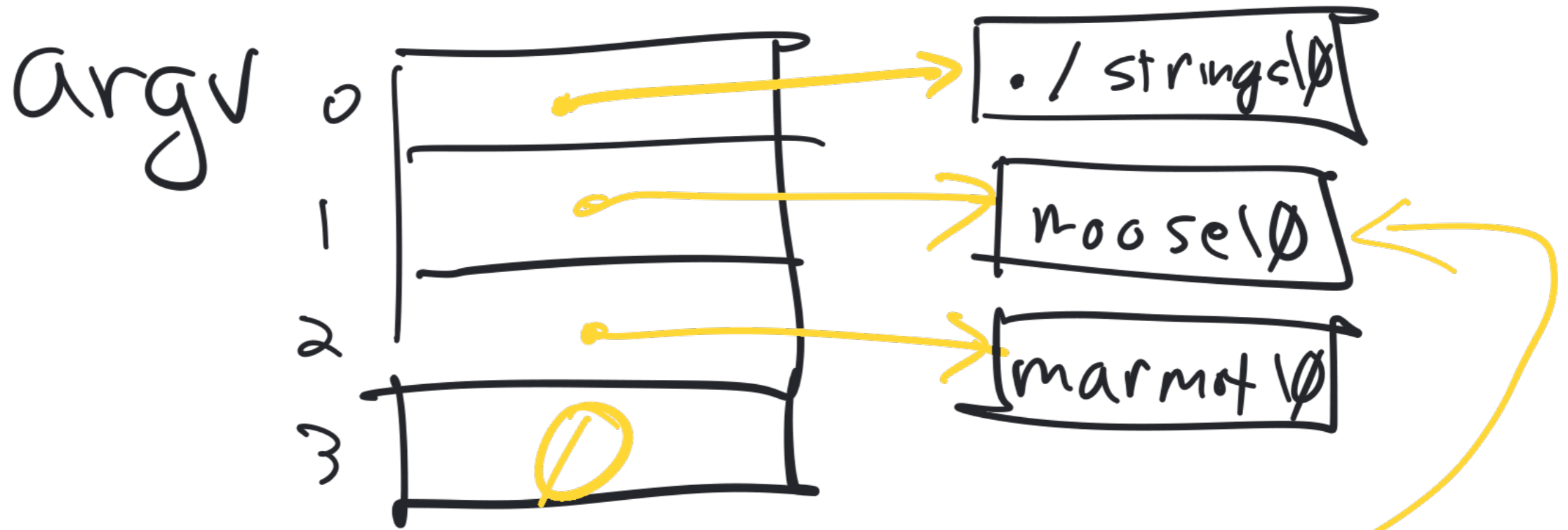
```
char *p = s;
```

```
printf("%s", p);
```

↳ cow



argc [3]



char *string1 = argv[1];