

STRINGHE = ARRAY char

```
char s[100];  
s[0] = 'c';  
s[1] = 'i';  
s[2] = 'a';  
s[3] = 'o';  
s[4] = '\0'; ↔ s[4] = 0; ]  
printf("%s\n", s);
```

'o'

EOS

```
#include <string.h>  
strcpy(s, t);  
strcpy(s, "Ciao");
```

PUNTAZIONE

int *p;
int x;
p = &x;
*p = 17;

GO
p *int
x int
p = &x
*p = 17

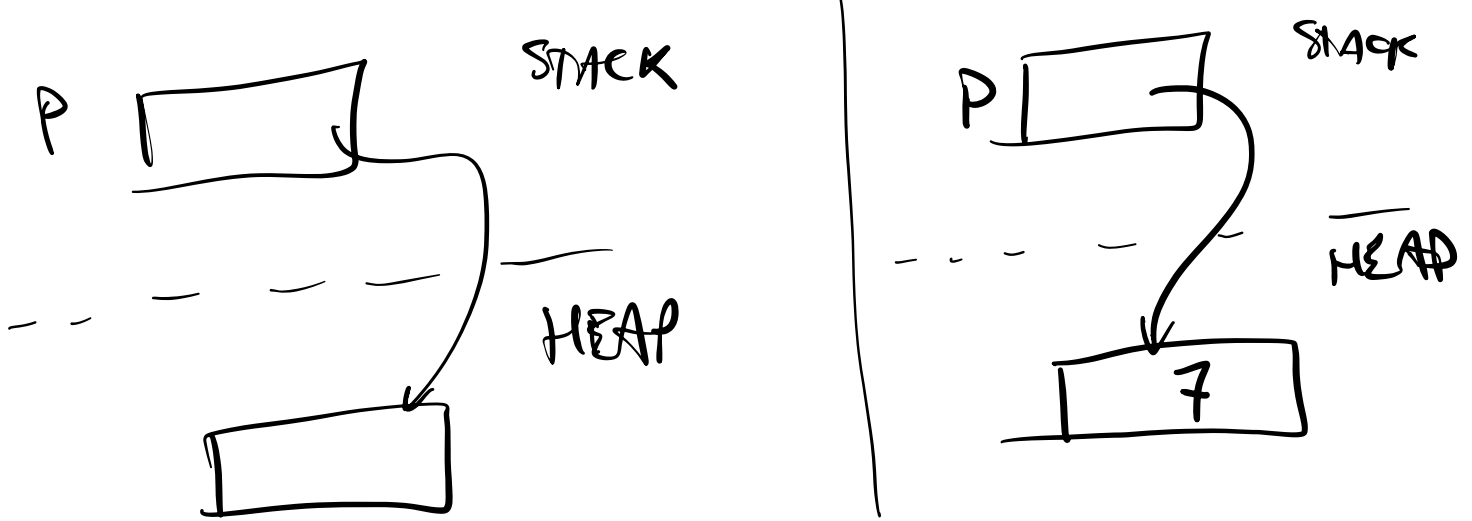
NELLO ~~HEAD~~
C

int *p;
p = (int *) malloc(sizeof(int));
*p = 7;

free(p);

(<stdlib.h>)
GO

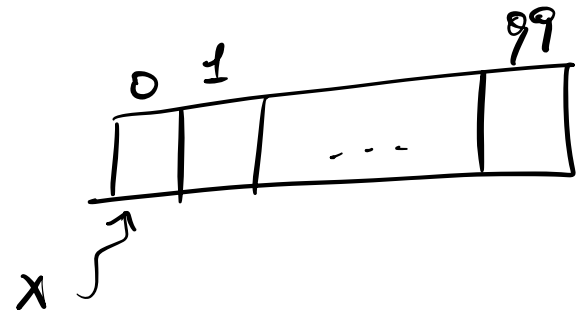
p *int
p = new (int)
*p = 7



PUNTERO RI È ARRAY

int x[100];

|||
 indirizzo di
 inizio dell'array



$x \equiv \&(x[0])$

```
void fill_zero(int *a, int n) {  
    int i;  
    for (i=0; i<n; i++)  
        a[i]=0  
}
```

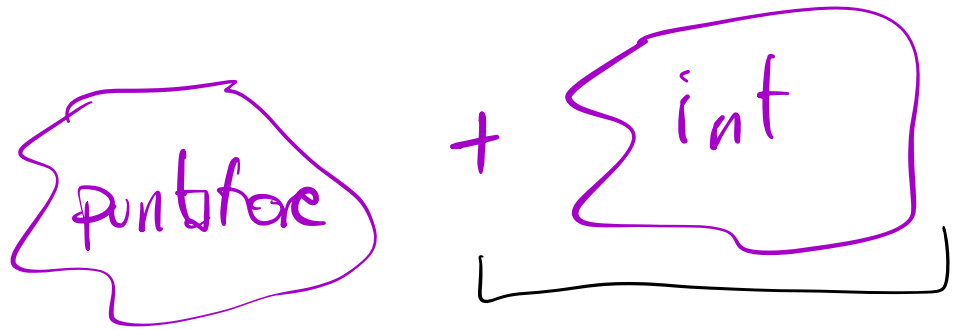
```
int main() {  
    int x[20];  
    fill_zero(x, 20);  
    for (i=0; i<20; i++)  
        printf("%d\n", (x[i]+1)*(x[i]+1));  
}
```

```
char s[100], *p;  
p = s;  
strcpy(s, "Paolo Boldi");  
s[2] = 'b';  
printf("%s\n", s)
```

```
char *s;  
s = (char *) malloc(100 * sizeof(char));
```

```
strcpy(s, "Paolo Boldi");  
s[2] = 'b';  
printf("%s\n", s)
```

ARITMETICA DEI PUNTERI



int s[100], *p, *q;

p = s + 2;

p = &(s[2]);

*p = 7;

s[2] = 7;

s[2] = ...

*(s + 2) = ...

```
char x[100];  
strcpy(x, "Paolo Boldi");  
char *p;  
for (p = x; *p; p++)  
    printf("%c", *p);
```

```
for (i = 0; p[i] != '\0'; i++)  
    printf("%c", p[i]);
```

