

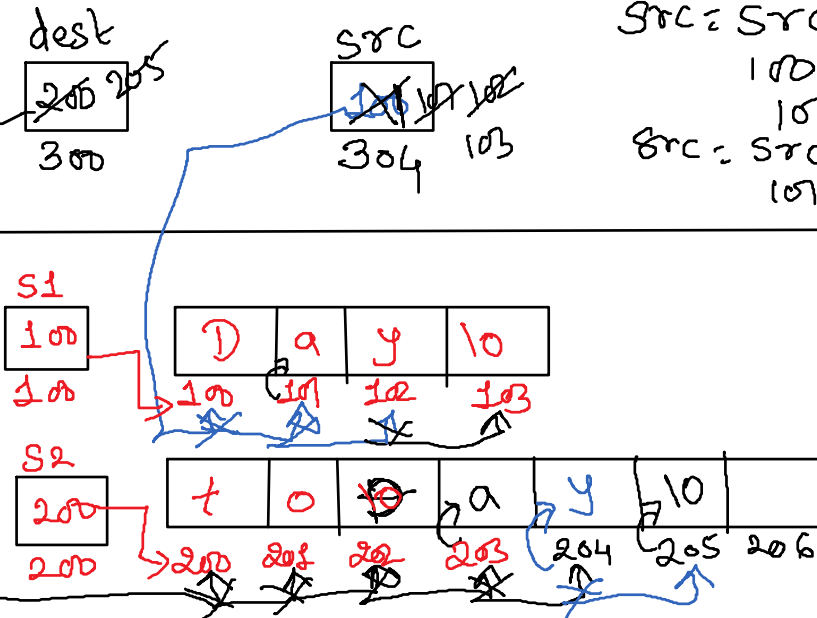
strcat-

$*dest = *src$

$dest++ = dest+1 = 201$
 $dest++ = dest+1 = 201+1 = 202$

$src = src + 1$
 $100 + 1$
 101
 $src = src + 1$
 $101 + 1 = 102$

main



`strcat(s2, s1)`

s1 t h i s lo
 ↑ ↑ ↑

s2 t h a t lo
 ↑ ↑ ↑

s1 > s2

> 1
 < 1
 == 0

+1
 -1
 0

while (*s1 != NULL & *s2 != NULL)
 { if (*s1 != *s2)
 break;

s1++; s2++;

return *s1 - *s2

s1 t o lo
 ↓ ↓

s2 t r y lo

s1 < s2

s1 t r y lo
 ↓ ↓ ↓ ↓

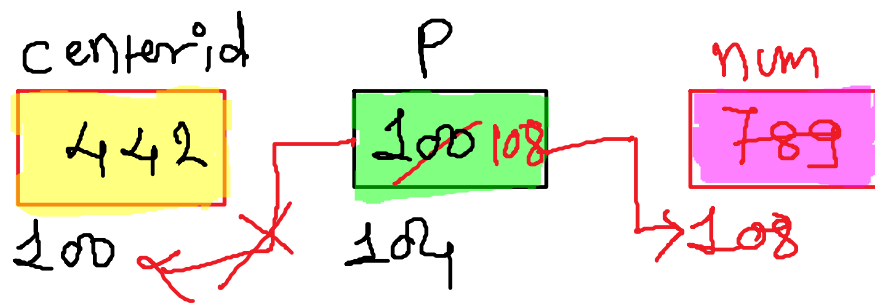
s2 t r y lo
 ↓ ↓ ↓ ↓

'o' - 'r'
 < 1

lo - lo

0 - 0 s1 == s2

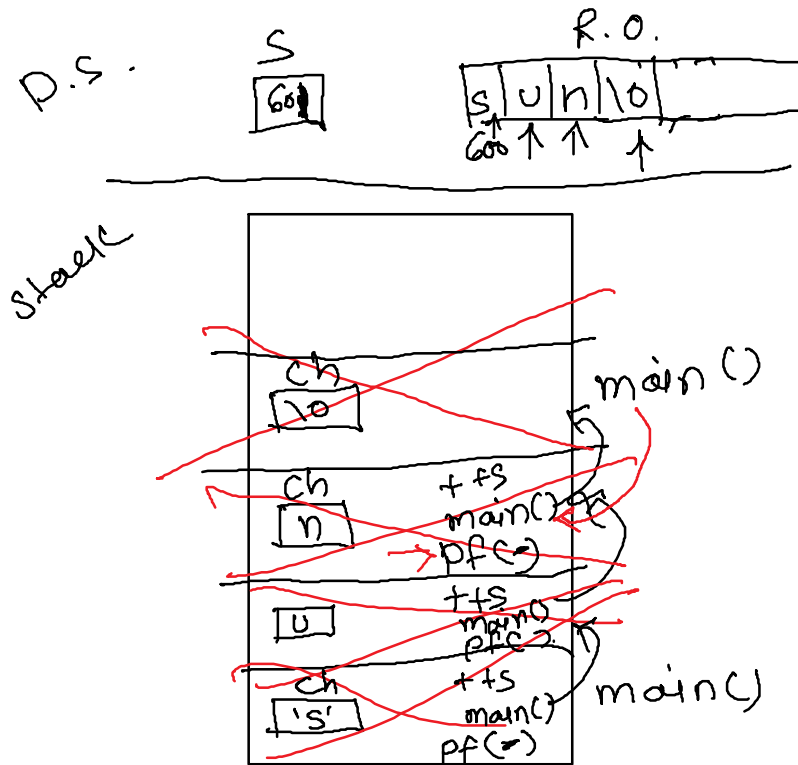
0



*p - yellow

```
static char *s = "Sunbeam";
char ch = *s;
```

```
if(*s)
{
    ++s;
    main();
    printf("%c",ch);
}
```



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