PERA

Nested Recursion

```
void fun (int n) {
    if (___) {
        ___
        fun ( fun n));
    }
    }
    ?
    <
```

→) parametreus
berdi: Redbu oldugu
feabler

```
int fun (int n) {
    if (n>100)
        return n-10;
    else
        return fun( fun(n+11) );
    }

fun (95)
```

$$fun (95) = 91$$

$$fun (fun (95+11))$$
$$fun (96) \qquad 96 = fun (106)$$

$$fun (fun (96+11))$$
$$fun (97) \qquad 97 = fun (107)$$

$$fun (fun (97+11))$$
$$fun (98) \qquad 98 = fun (108)$$

$$fun (fun (98+11))$$
$$fun (99) \qquad 99 = fun (109)$$

$$fun (fun (99+11))$$
$$fun (100) \qquad 100 = fun (110)$$

$$fun (fun (100+11))$$
$$fun (111) \qquad 111 = fun (100+11)$$

$$\boxed{91}$$

$$if (111 > 100) \quad \checkmark$$
$$return \; 111 - 10 \to 91$$