

What Happens Next?

```
int32_t print_reverse(const char* s)
{
    int32_t rest;
    if ('\0' == *s) {
        return 0;
    }
    rest = print_reverse (s + 1);
    printf ("%c", *s);
    return (rest + 1);
}
```

Output is now "w".

Return (rest + 1).

Return (rest + 1)

call depth 1 █
p_r ("Now")

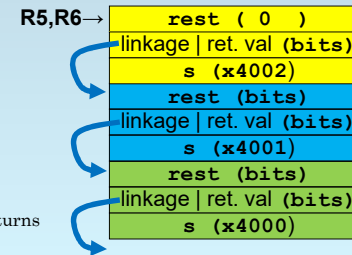
call depth 2 █
p_r ("ow")

call depth 3 █
p_r ("w")

call depth 4 █
p_r ("")

What is rest? 0

Adding 1, we obtain 1.



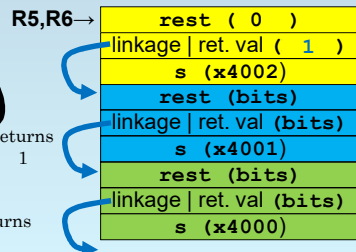
Write 1 into Return Value Slot

call depth 1 █
p_r ("Now")

call depth 2 █
p_r ("ow")

call depth 3 █
p_r ("w")

call depth 4 █
p_r ("")



What Happens When print_reverse Returns?

```
int32_t print_reverse(const char* s)
{
    int32_t rest;
    if ('\0' == *s) {
        return 0;
    }
    rest = print_reverse (s + 1);
    printf ("%c", *s);
    return (rest + 1);
}
```

On return, return value is written into rest.