

## Calling `print_reverse` (Call Depth 4)

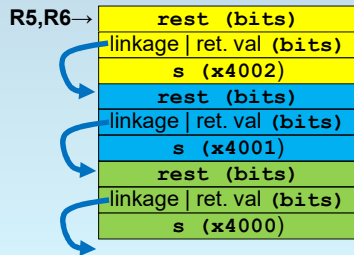
call depth 1  `p_r ("Now")`

The argument is the empty string at `x4003`.

call depth 2  `p_r ("ow")`

call depth 3  `p_r ("w")`

call depth 4  `p_r ("")`



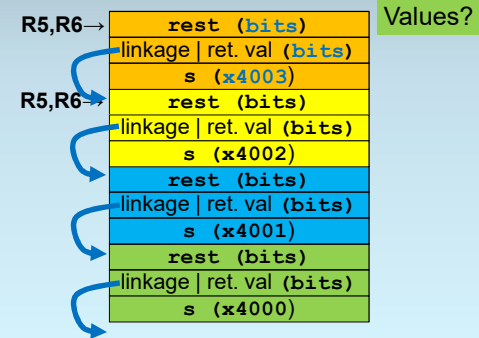
## Stack Frame for `print_reverse` (Call Depth 4)

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 First Now?

```
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);
}
```

Found NUL,  
so return 0.

## Write 0 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 ("")`

returns  
0

