

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);
}
```

'o' is not NUL, so don't return yet.

Call print_reverse again with (s + 1).

Calling print_reverse (Call Depth 3)

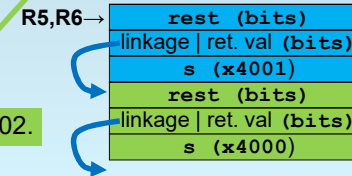
call depth 1 ■
p_r ("Now")

call depth 2 ■
p_r ("ow")

call depth 3 ■
p_r ("w")

What is the argument?

The w is at x4002.



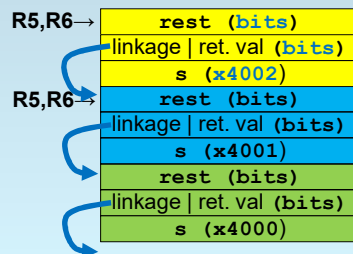
Stack Frame for print_reverse (Call Depth 3)

call depth 1 ■
p_r ("Now")

call depth 2 ■
p_r ("ow")

call depth 3 ■
p_r ("w")

What are the values when the function starts?



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        return 0;
    }
    rest = print_reverse (s + 1);
    printf ("%c", *s);
    return (rest + 1);
}
```

... same as before, of course!

Check for NUL.

Then call print_reverse again.