



## Puzzle 6: $f(f(f(f(f(f(f(n)))))))$

Here, we encode our numbers in English. Big-endian.

1 → 3 → 6 → 10 → 14 → 13

7 → 9 → 14 → 13

8 → 15 → 12 → 14 → 13

15 → 12 → 14 → 13

16 → 19 → 17 → 18

23 → 16 → 19 → 17 → 18

30 → 16 → 19 → 17 → 18

32 → 23 → 16 → 19 → 17 → 18

511 → 27 → 16 → 19 → 17 → 18

16383 → ?? → 21 → 17 → 18