Submission for DNY-not-ntconstruct

OTIS (internal use)

YOUR NAME HERE

June 17, 2023

1 Examples

Example 0.1 (Example)

My First Example

Example 0.2 (Walkthrough)

Hardest Celeste Level

Walkthrough. Google "Farewell"

2 Problems

Instructions: Solve [36 \clubsuit]. If you have time, solve [48 \clubsuit]. Problems with red weights are mandatory.

I'm concerned that we're sitting here like I'm a responsible adult. I'm pretty sure I stopped growing up in my teens and have been faking ever since.

xkcd 616, Lease

Required Problem 1 (Play Celeste, 94)

Happy Pride Month!

Problem 2 (Snake Simulator, 9♣)

For $n \geq 0$, compute

$$\sum_{k>0} \binom{n+k}{2k} 2^{n-k}$$

SNAKEO

Problem 3 (BAMO 2018/4, 2♣)

Let a, b, c be positive integers. Show that if a/b + b/c + c/a is an integer, then $\sqrt[3]{abc}$ is an integer as well.

18BAM04