

P1 – Small Primes

First 64 primes for Loom s_t

Index i : prime[i]

[illegible]

P2 — $\lceil \log_2 n \rceil$ Table

n from 1 to 4096

[illegible]

P3 — Golomb-Rice Examples

Signed mapping $S(z) = 0, 1, -1, 2, -2, \dots; y = |S^{-1}(z)|$

For $p \in \{0..4\}$, encode y by $q = \lfloor y/2^p \rfloor$ (unary) and $r = y \bmod 2^p$ (p bits).

[illegible]

P4 — Mod M Arithmetic

Hand steps for running chain updates

$$C_t = (17 \cdot C_{t-1} + 23 \cdot s_t + \text{seq}) \bmod 1,000,000,007$$

[illegible]