

3313
3314
1855

fa1

to be cut
to NJA Sloane
from don knuth

3313
3314

→ 3063
3064

A sequence of great interest for over 30 years is

A3313

3313 / 0, 1, 2, 2, 3, 3, 4, 3, 4, 4, 5, 4, 5, 5, 5, 4, 5, 5, 6, 5, 6, 6, 6, ...
= N89/B

$\ell(n) = \text{min. no. of min. } x \text{ in } \mathbb{N}^d \text{ to compute } x^n$. [Schubert problem] Ref my vol 2 p 93 for $n \leq 100$.
select ✓ new

A1855

N963 Your # 963 is $\sum_{1 \leq k \leq n} \lceil \log_2 k \rceil$ and arises in a large no. of combinatoric contexts. state it satisfies $L(n) = n-1 + 2L(n/2) + O(1)$ my vol 3 p 150

A3314

1855 3314 0, 2, 5, 8, 12, 16, 20, 2, ...
you don't even list and since it is a natural discrete binary entry, function $F(n) = n + \min_k (F(k) + F(n-k))$
 $= [n] + n - 1$ ✓ new

I believe you should include it. Cf my vol 3 p 374

check this
den

