

SEP 5 1963

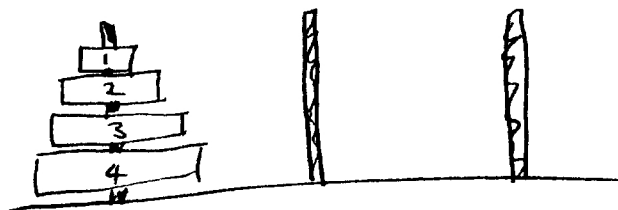
MASSACHUSETTS INSTITUTE OF TECHNOLOGY CAMBRIDGE 39, MASSACHUSETTS

September 4, 1963

Prof. Joshua Lederberg
Department of Genetics
Stanford Medical Center
Palo Alto, California

Dear Josh:

I don't know a name for your series. But you could call it "Hanoi". For it is precisely the order in which pieces are moved to solve the pyramid puzzle,



called "Tower of Hanoi".

The solution, your series, is essentially unique, except for back-tracking. I don't know anything about your generating process, which might be represented as

$$2^{Hn} - 1 = (n)_2 \text{ XOR } (n - 1)_2$$

$$\text{or } Hn = \log[(R) \text{ XOR } (n - 1) + 1]$$

Sincerely,

Marvin

Marvin Minsky

M. MINSKY

*2/22 Is this
Benzene
problem?
of Jungk*

MM:cs

*any further
remembrance on
the compact-vector
problem?*

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