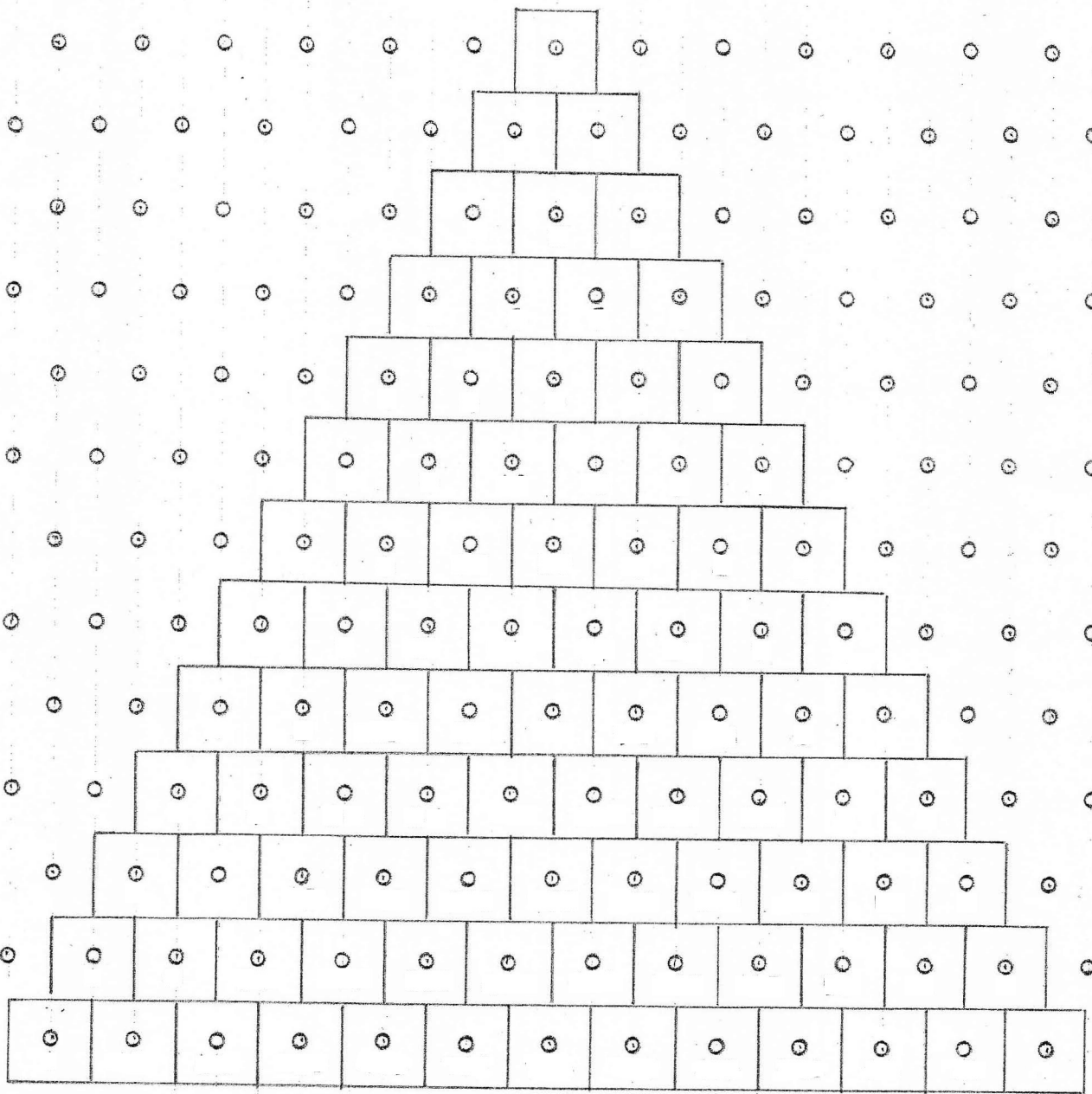


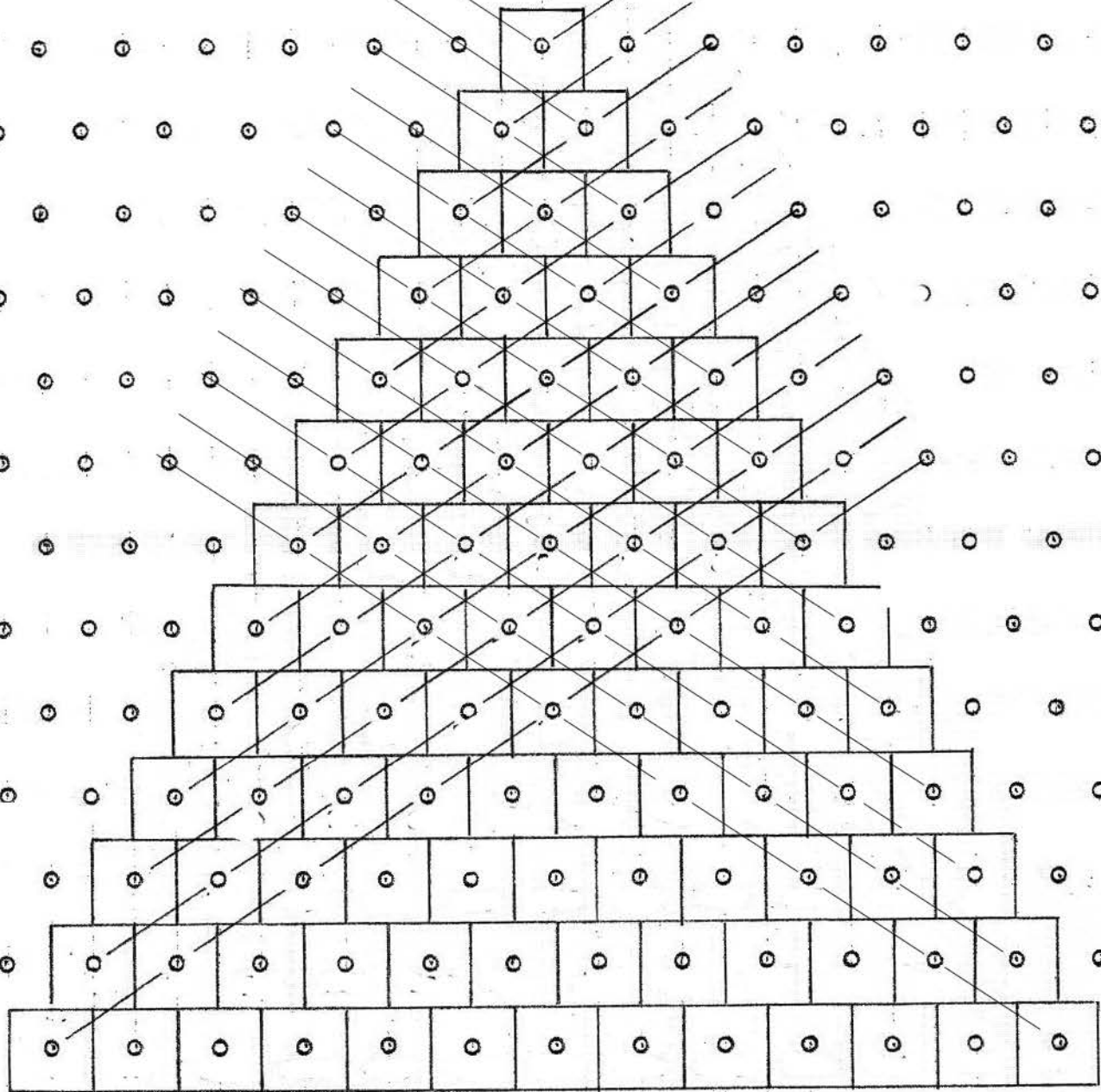


Piṅgala's Meru Prāstara, and Sums of the Diagonals

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1. $H_n = H_{n-2} + H_{n-1}$

1.61803398875:



Ref: "On the use of series in Hindu mathematics"

A. N. Singh, OSIRIS Vol I, pp. 623-624, 1936

"Recurrent Sequences and Pascals Triangle"

Thomas M. Green, Mathematics Magazine Vol. 41, 1968

Also see; "The Scales of Mt. Meru" 1993, Erv Wilson

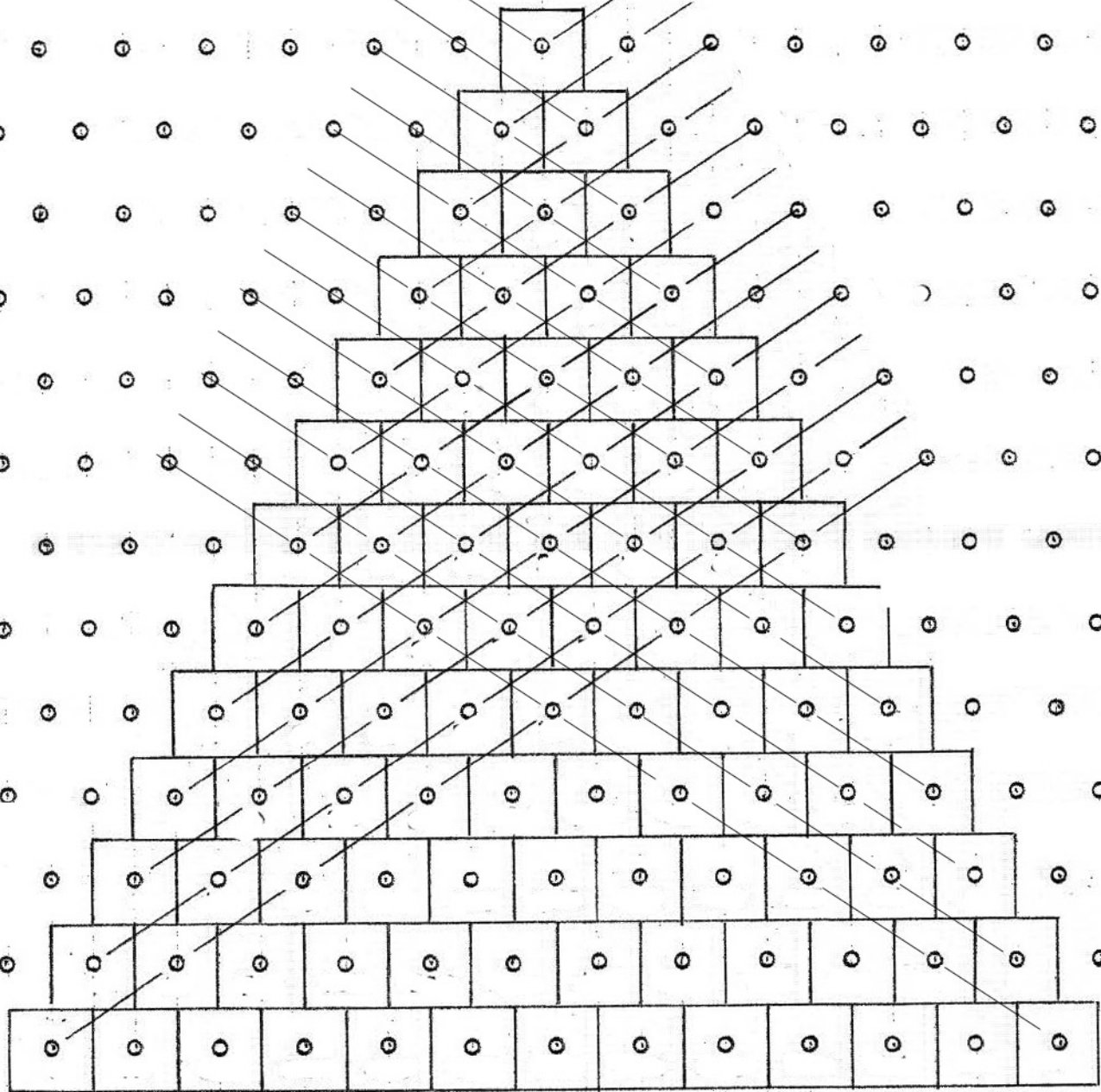
Fig 1

Piṅgala's Meru Prāstara, and Sums of the Diagonals

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Fig 1

$$2. H_n = H_{n-3} + H_{n-1}$$

1, 4, 6, 5, 5, 7, 1, 2, 3, 1, 8, 8, ..

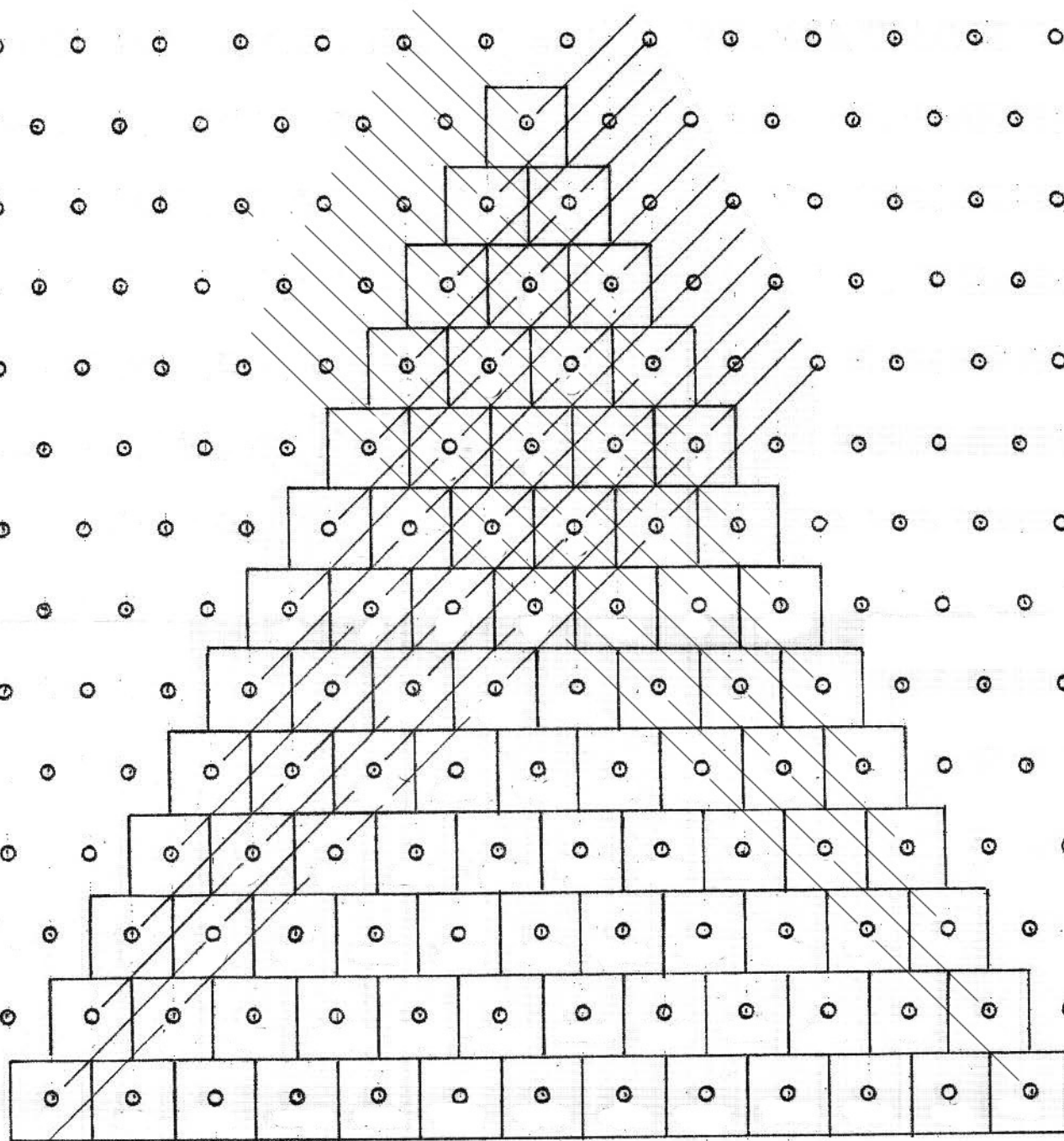


Fig 2

$$4. H_n = H_{n-4} + H_{n-1}$$

1.38027756909...

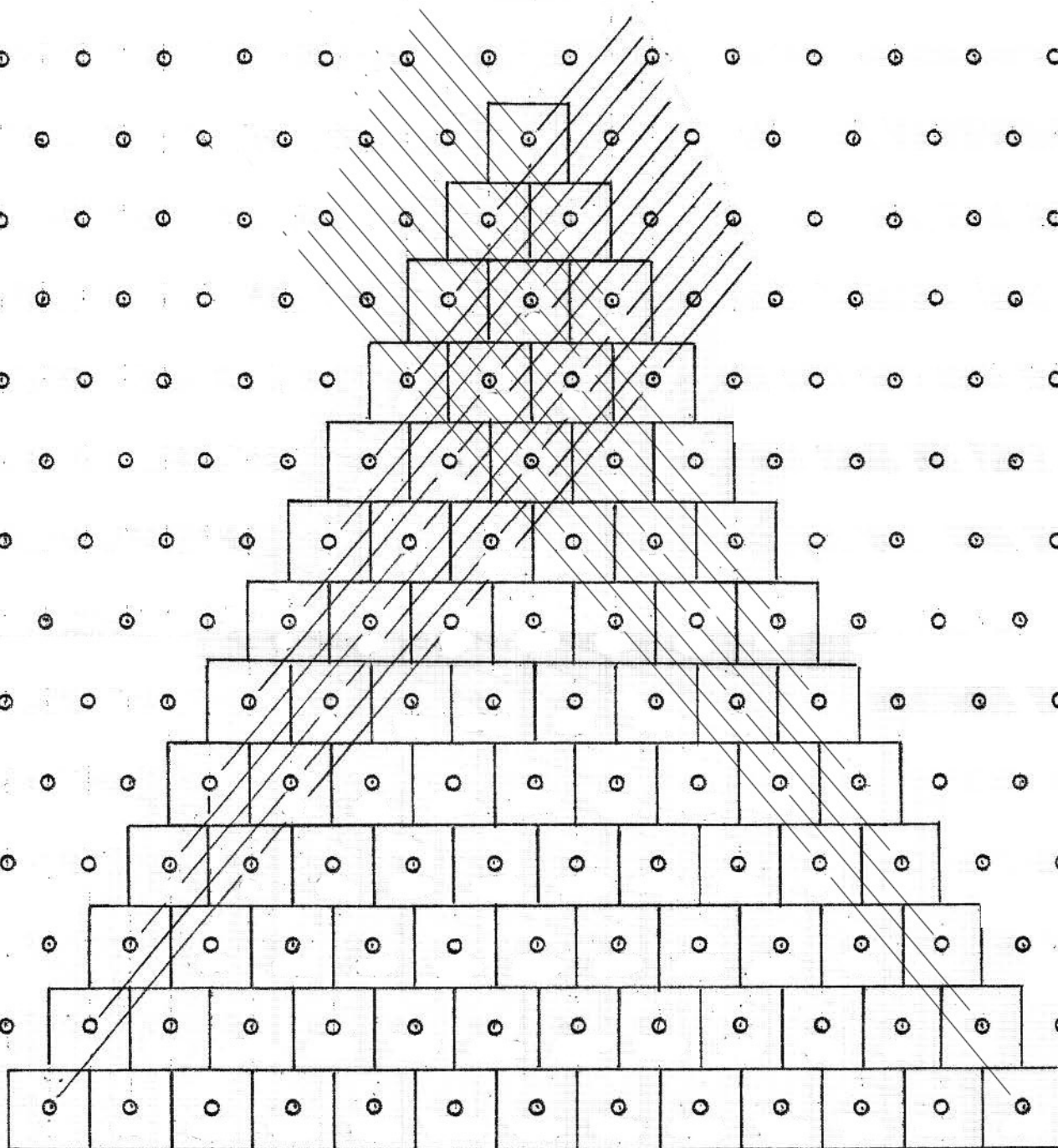


Fig 4

$$5. H_n = H_{n-4} + H_{n-3}$$

1, 2, 2, 0, 7, 4, 4, 0, 8, 4, 6, 1, ...

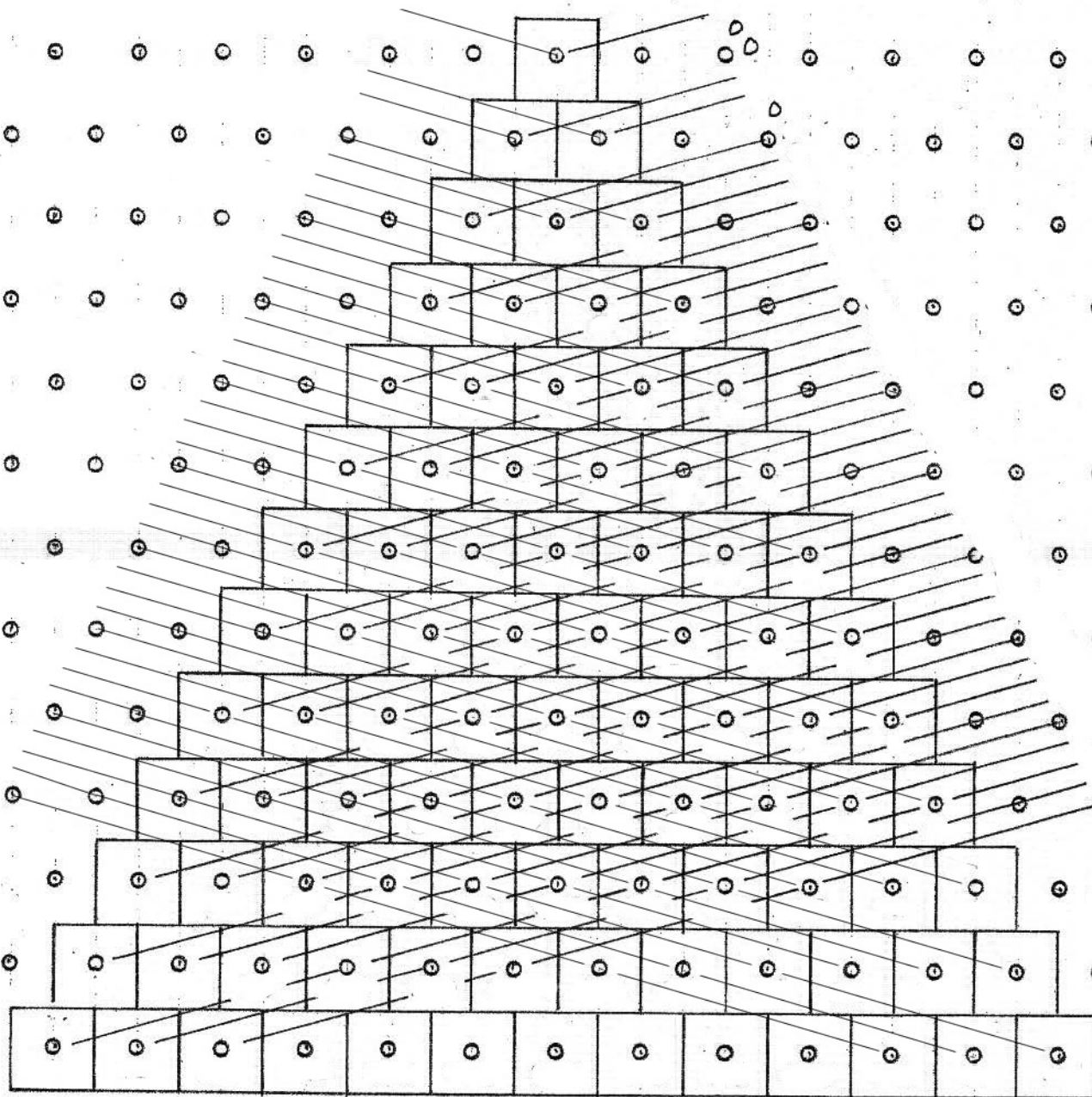


Fig. 5

6. $H_n = H_{n-5} + H_{n-1}$
 1. 3 2 4 7 1 7 9 5 7 2 4 ..

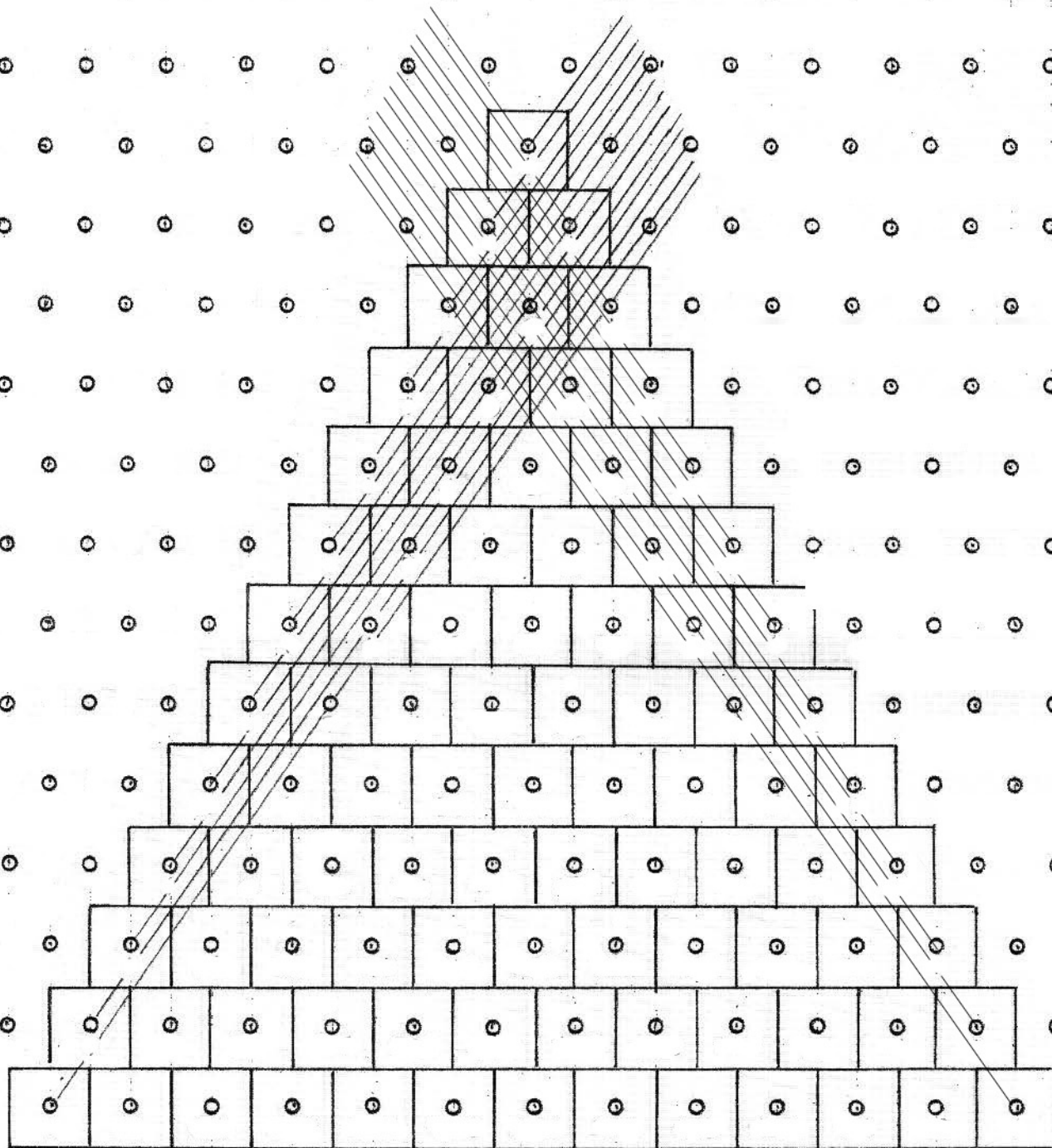


Fig. 6

7. $H_n = H_{n-5} + H_{n-2}$
 1 2 3 6 5 0 5 7 0 3 3 9

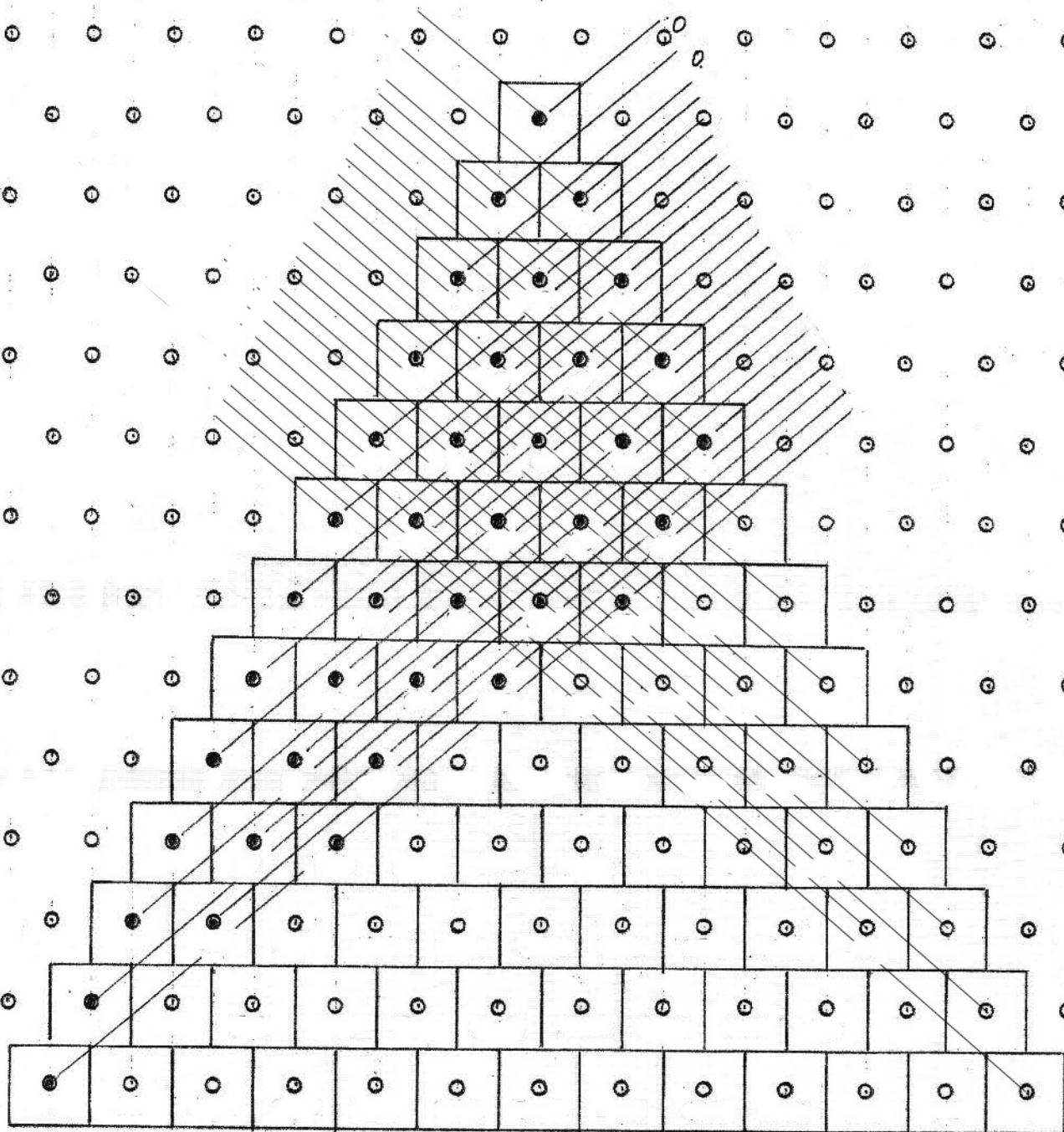


Fig. 7

8. $H_n = H_{n-5} + H_{n-3}$
 1. 1938591132...

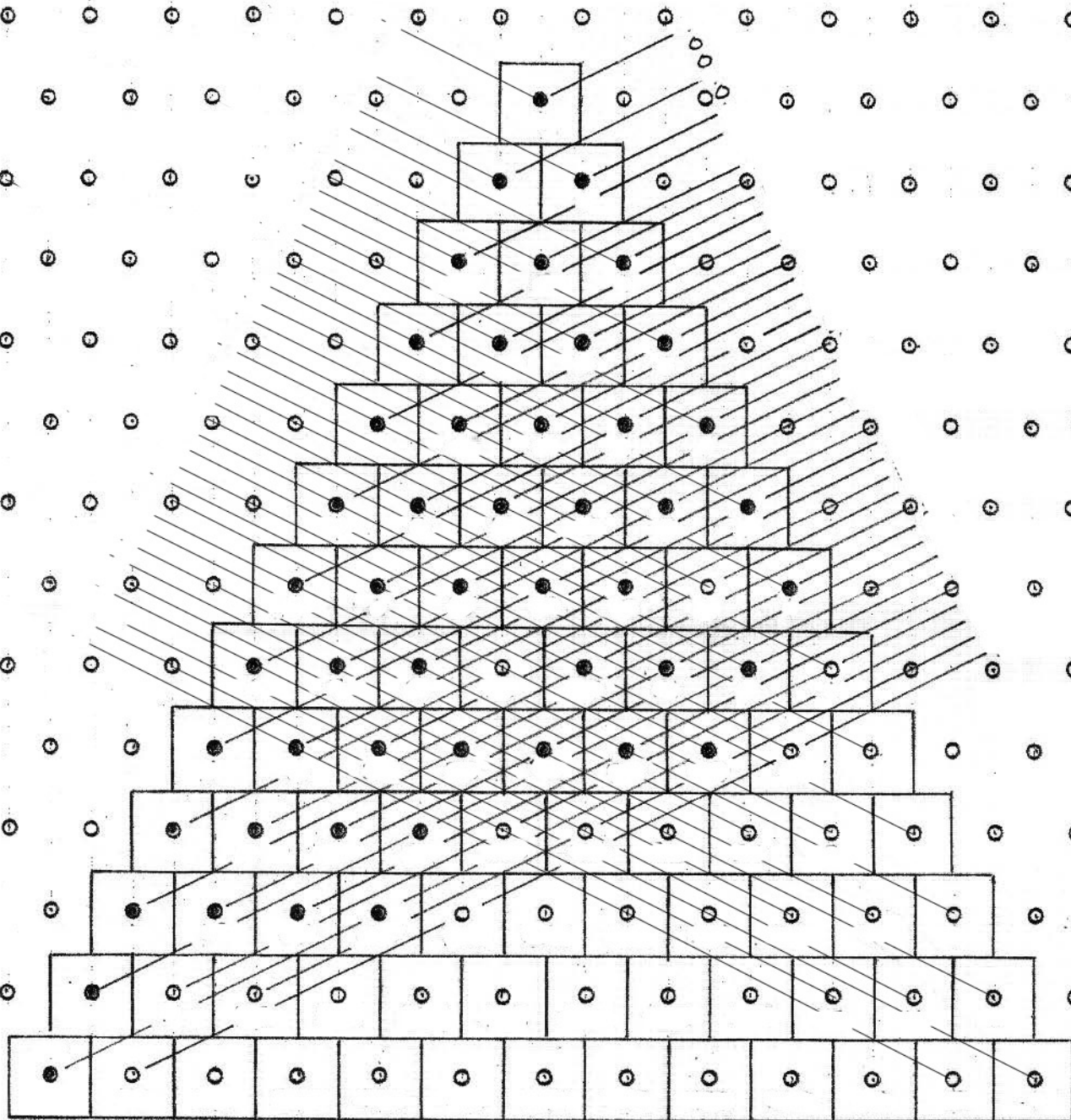


Fig. 8

9. $H_n = H_{n-5} + H_{n-4}$
 1.16730397826...

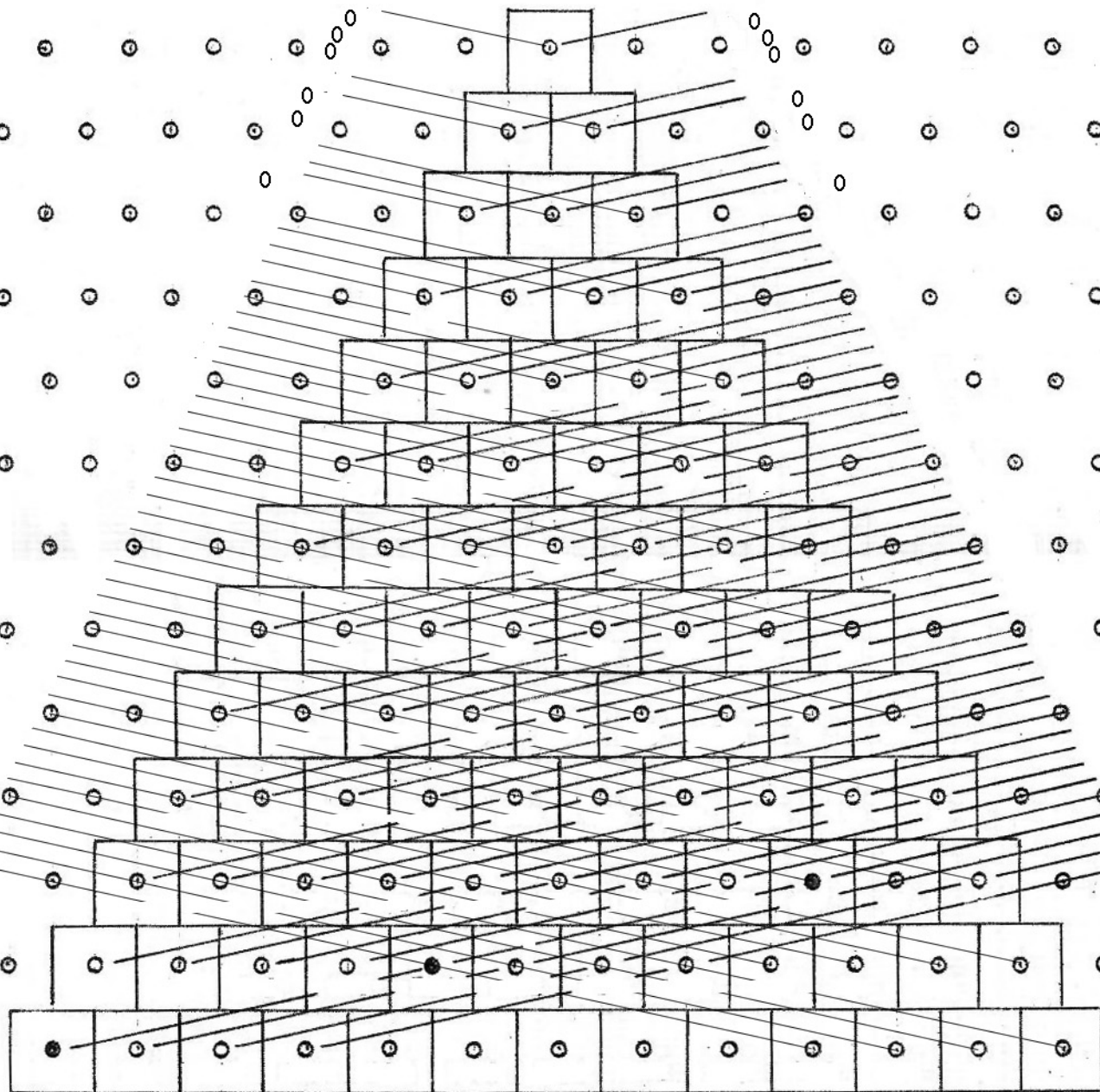


Fig. 9