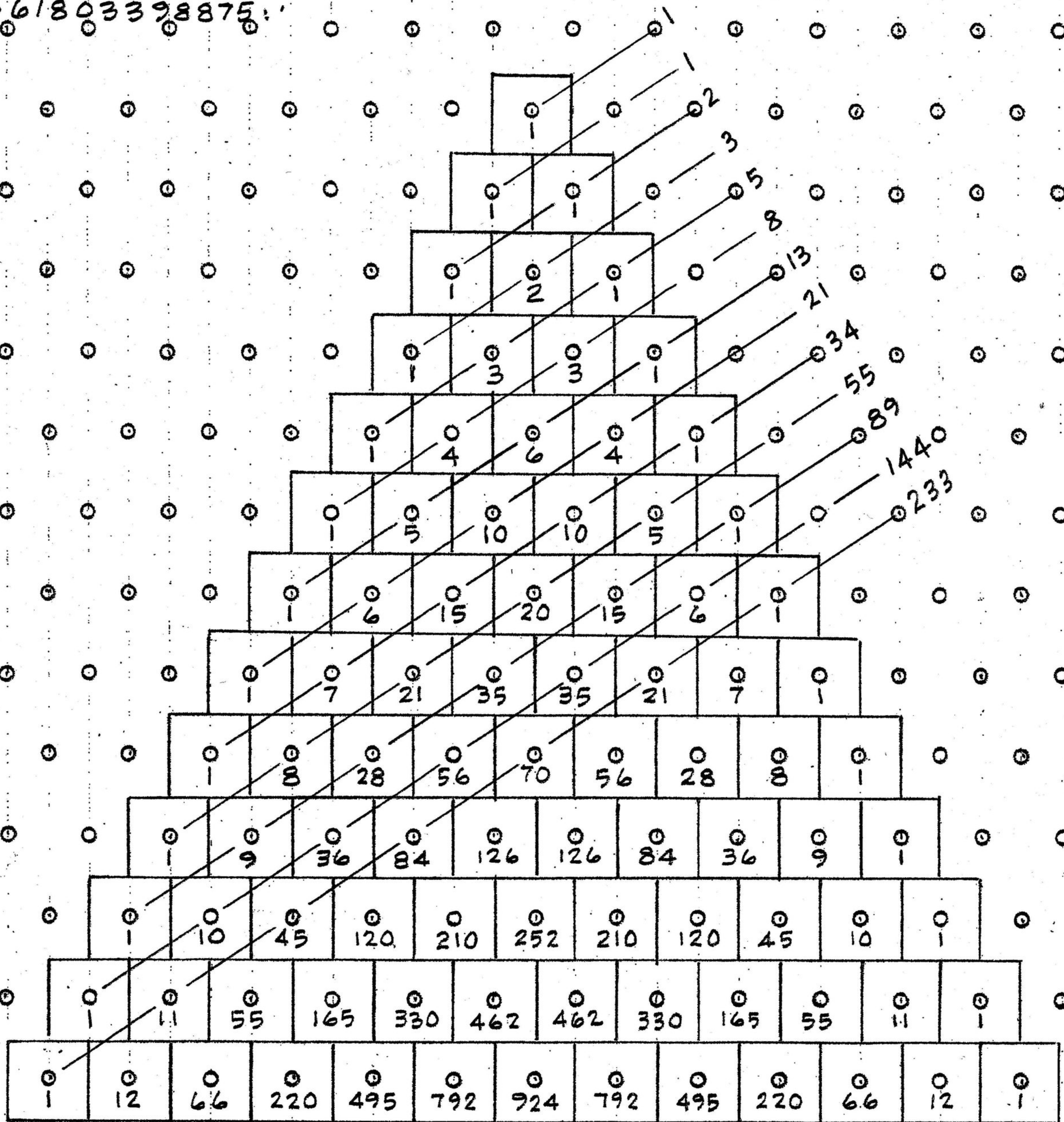


# Piṅgala's Meru Prāstara, and Sums of the Diagonals

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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

2.  $H_n = H_{n-3} + H_{n-1}$   
 1, 4, 6, 5, 5, 7, 12, 31, 88, ..

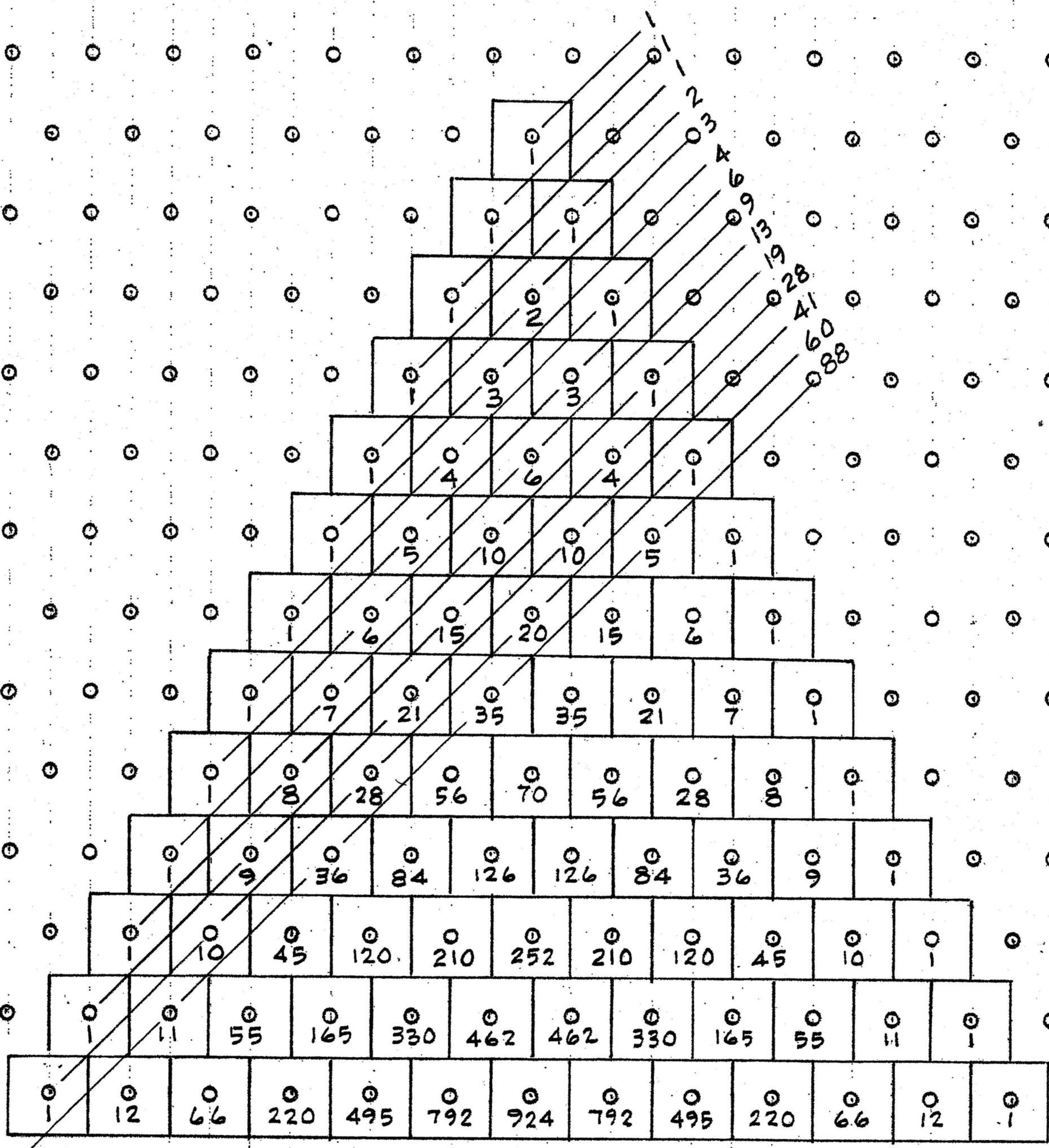


Fig 2

3.  $H_n = H_{n-3} + H_{n-2}$   
 1, 3, 2, 4, 7, 17, 9, 5, 7, 25, ...

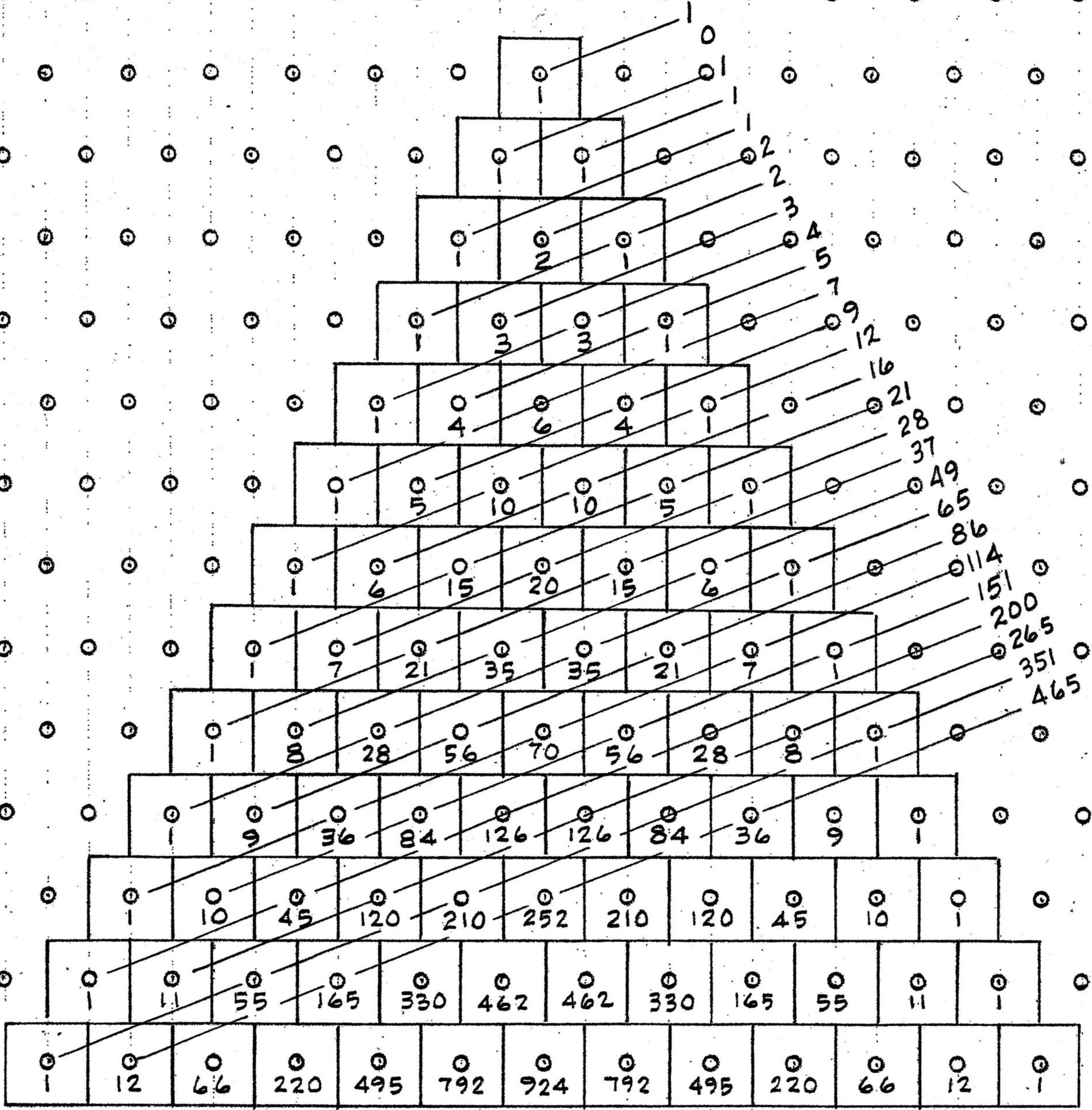


Fig 3



4.  $H_n = H_{n-4} + H_{n-1}$   
 1.38027756909...

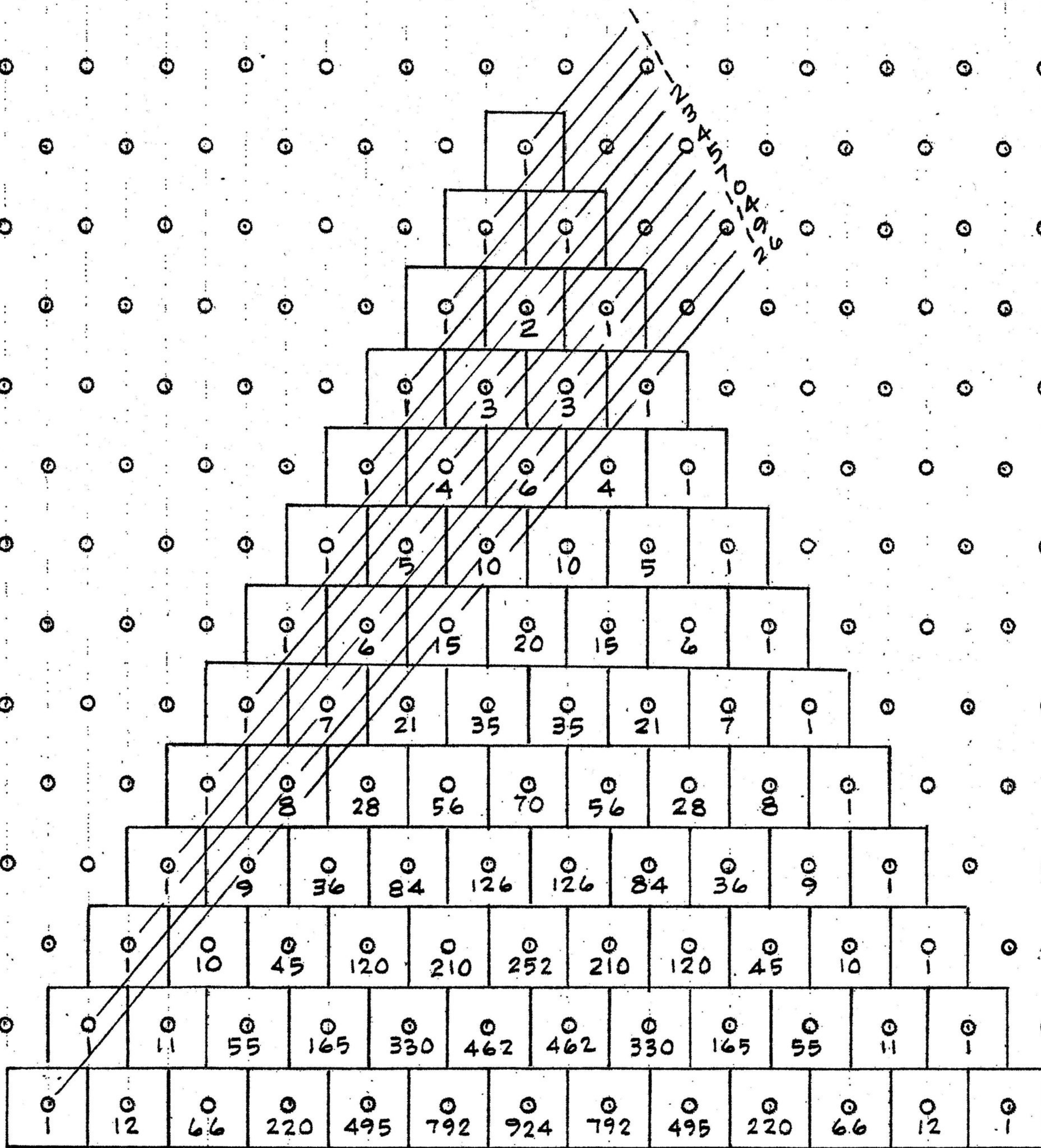


Fig 4



6.  $H_n = H_{n-5} + H_{n-1}$   
 1.32471795724..

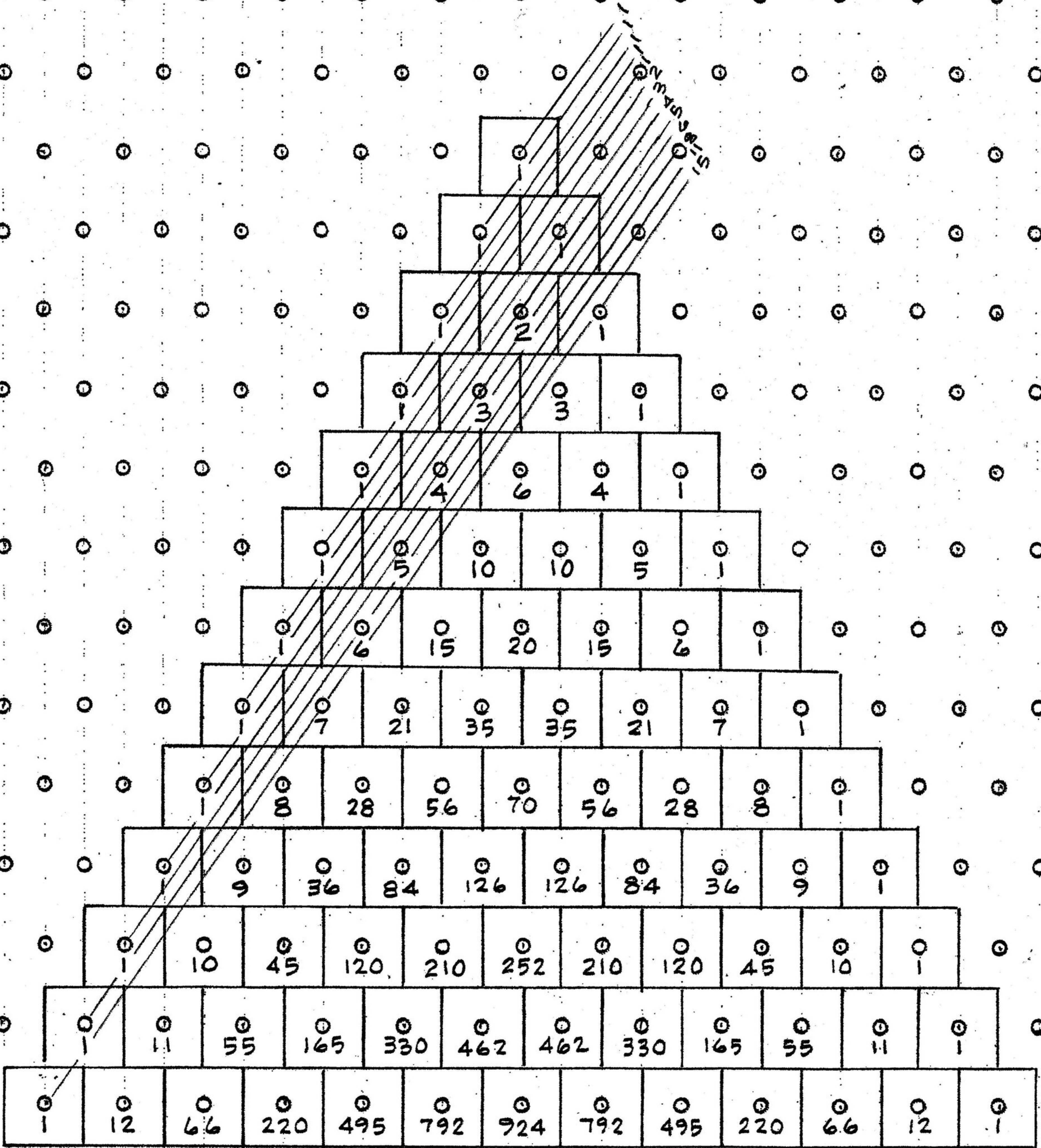


Fig. 6

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

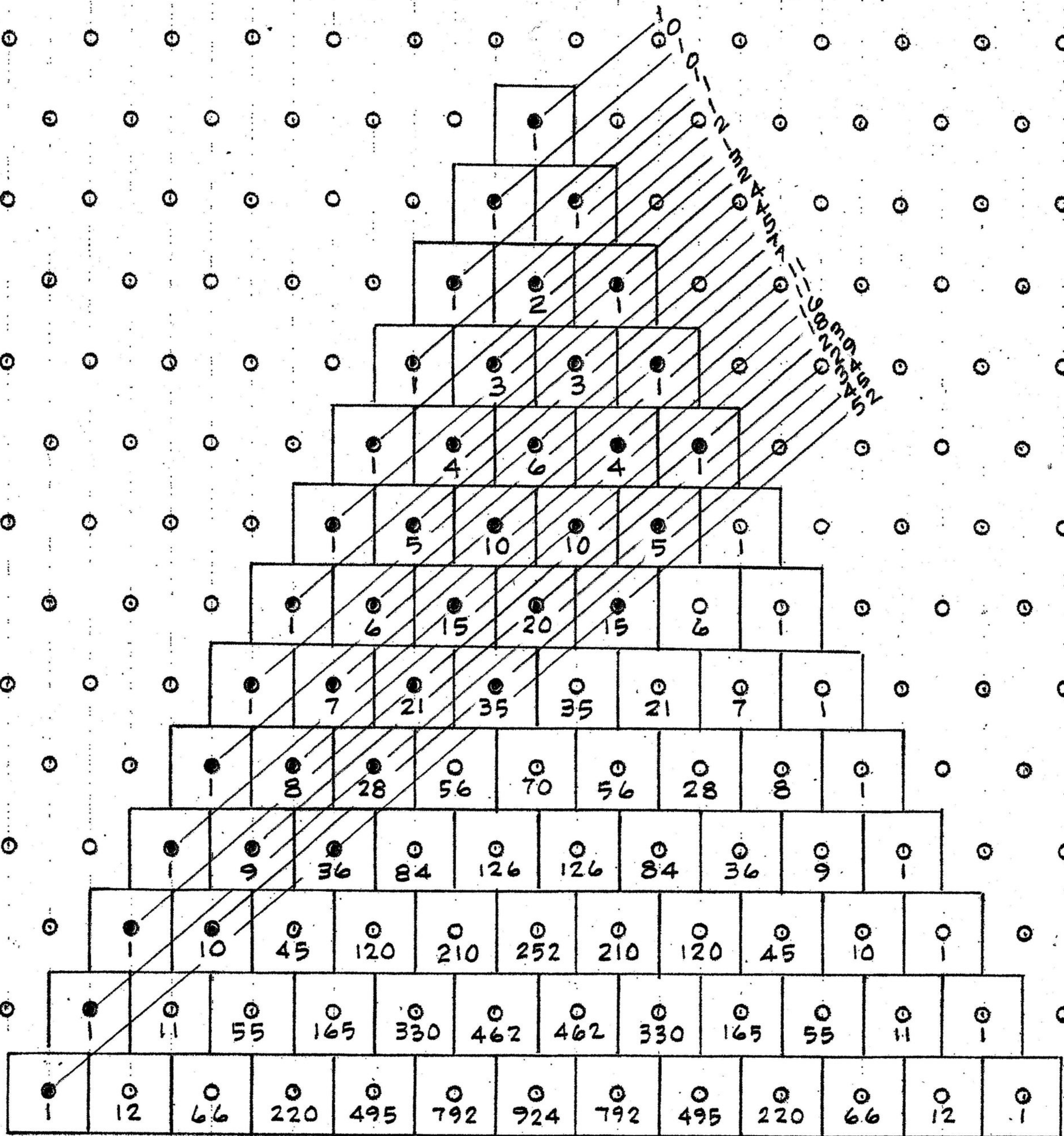


Fig. 7