

level	Σ level	\prod level
1	1	1
2	3	2
3	6	6
4	10	24
5	15	120
6	21	720
7	28	5,040
8	36	40,320
9	45	$3.63 \cdot 10^5$
10	55	$3.63 \cdot 10^6$