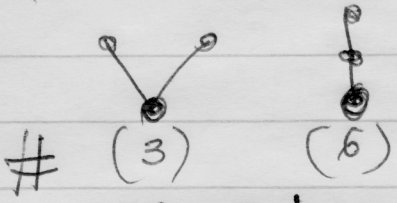


A435

n=3

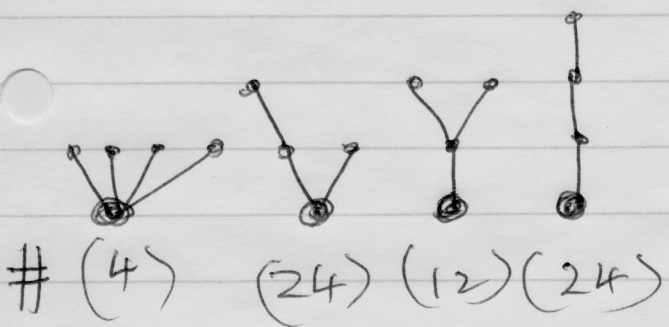
Two types of tree :



	height	0	1	2	total height
number	3	1	2		$3 \cdot 2 = 6$
	6	1	1	1	$6 \cdot (1+2) = \frac{18}{24}$
					$\frac{24}{3} = 8 = a(3)$

n=4

Four types of tree :



	height	0	1	2	3	total height
	4	1	3			$4 \cdot 3 = 12$
number	24	1	2	1		$24 \cdot (2+2) = 96$
	12	1	1	2		$12 \cdot (1+2 \cdot 2) = 60$
	24	1	1	1	1	$24 \cdot (1+2+3) = \frac{144}{312}$

$$\frac{312}{4} = 78 = a(4)$$

N.J.A. Steane
Feb 03, 2012