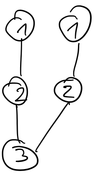
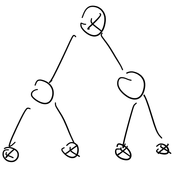
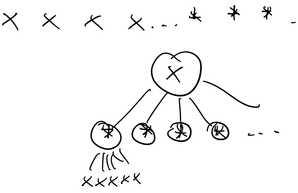
R677

Wednesday, 4 November 2020 16:05



1 1 1 1 2 2





Let $x = \frac{n}{2}$

$$\frac{\binom{2x}{x} \cdot (x-1)!^2}{2} =$$

$$= \frac{(2x)!\,(x-1)!^2}{x!^2 \cdot 2} =$$

$$= \frac{(2x)!}{2 \cdot x^2} =$$

$$= \frac{2x \cdot (2x-1) \cdot \ldots \cdot x \cdot (x-1) \cdot \ldots \cdot 1}{2x \cdot x}$$

$k=3$

1 2 3 5

5 2 2 2

7 1 1 3

sum in a row $\in [0, 2450]$

overall sum $\in [0, 171500]$

build a boolean matrix

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1 2 3 4

qts: 1 2 3 4 5 6 7

best %3

0:	6		0	12	12
1:	7	+	7	13	10
2:	5		5	14	5