

$$\begin{array}{l|l} n & 1 \\ \hline 3^n - 1 & 2 \end{array}$$

$$\begin{array}{c|cc} n & 1 & 2 \\ \hline 3^n - 1 & 2 & 8 \end{array}$$

$n$		1	2	3
$3^n - 1$		2	8	26

$n$		1	2	3	4
$3^n - 1$		2	8	26	80

$n$		1	2	3	4	5
$3^n - 1$		2	8	26	80	242

$n$		1	2	3	4	5	6
$3^n - 1$		2	8	26	80	242	728

$n$		1	2	3	4	5	6	7
$3^n - 1$		2	8	26	80	242	728	2186

$n$		1	2	3	4	5	6	7	8
$3^n - 1$		2	8	26	80	242	728	2186	6560



$$\sum_{i=1}^1 i = 1 = 1 = \frac{1 \cdot 2}{2}$$

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$$\sum_{i=1}^5 i = 1 + 2 + 3 + 4 + 5 = 15 = \frac{5 \cdot 6}{2}$$

$A$	$ A $	$\mathcal{P}(A)$	$ \mathcal{P}(A) $
$\emptyset$	0	$\{\emptyset\}$	1

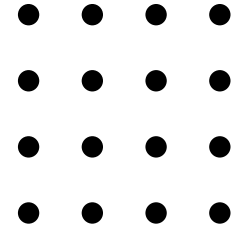
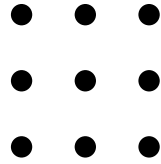
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$\{1\}$	1	$\{\emptyset, \{1\}\}$	2

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$\{1, 2\}$	2	$\{\emptyset, \{1\}, \{2\}, \{1, 2\}\}$	4

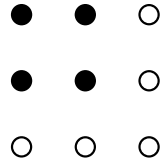


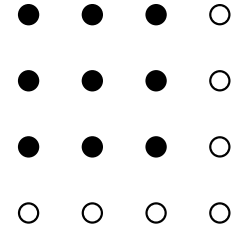
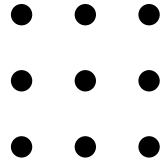
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$\{1, 2, 3\}$	3	$\{\emptyset, \{1\}, \{2\}, \{1, 2\}, \{3\}, \{1, 3\}, \{2, 3\}, \{1, 2, 3\}\}$	8

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$\{1, 2, 3, 4\}$	4	$\{\emptyset, \{1\}, \{2\}, \{1, 2\}, \{3\}, \{1, 3\}, \{2, 3\}, \{1, 2, 3\},$ $\{4\}, \{1, 4\}, \{2, 4\}, \{1, 2, 4\}, \{3, 4\}, \{1, 3, 4\},$ $\{2, 3, 4\}, \{1, 2, 3, 4\}\}$	16









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