## FACTORISM

Enter numbers from 1 to $\mathrm{N}-1$ in the cells of the first row and the first column of the grid of size $N \times N$. Each number must be used exactly once.

A number inside the grid must be the product of the numbers in the first row of the same column and first column of the same row.

|  |  |  |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  |  |  |  |  |  | 3 |  |  |
|  |  | 8 |  |  |  |  |  |  |
|  |  |  | 42 |  |  |  |  |  |
|  | 25 |  |  |  |  |  | 30 | 40 |
|  |  |  |  | 14 |  |  |  |  |
|  |  |  |  | 2 |  |  |  |  |
|  |  |  |  |  | 12 |  |  |  |
|  |  |  |  | 16 |  | 8 |  |  |

