## Aeronautics Nonograms

Each of the following nonograms represents an aeronautics related picture made up of solid (colored-in) squares and blank squares. To reveal the pictures, use the numbers at the start of each column and row. The numbers represent the number of consecutive solid squares in that row or column. For example, if the numbers were "1 32 ," that row or column would have a solid square followed by one or more blank squares, then three solid squares in a row followed by one or more blank squares, and then two solid squares in a row. The order of solid squares is correct, but you have to figure out how many blank spaces come before, after, and between the solid squares. When you have completed all the rows and columns, the picture is revealed.

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|  |  |  |  |  |  |  |  |  |  | 1 | 1 |  |  | 1 |  | 4 |  | 1 |  |  | 1 | 1 |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | 1 | 1 | 1 |  | 1 | 10 | 4 |  | 1 | 1 |  | 1 | 1 | 2 |  |  |  |
|  |  |  |  |  |  |  |  | 2 |  | 1 | 1 | 1 |  | 2 | 1 | 3 |  | 2 | 1 |  | 1 | 1 | 3 |  |  |  |
|  |  |  |  |  | 1 | 1 | 2 | 5 | 5 | 1 | 1 | 1 |  | 5 | 2 | 1 | 10 | 1 | 1 |  | 3 | 1 | 1 | 2 | 1 | 1 |
|  |  |  |  | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  | 3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  | 2 |  | 2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5 | 1 | 1 |  | 5 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4 | 1 | 1 |  | 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | 5 |  | 5 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  | 3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | 5 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | 7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 3 | 3 |  | 3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 | 1 | 1 |  | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2 | 3 | 1 |  | 3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 1 | 2 |  | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3 | 1 | 1 |  | 3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |




## Answer Key

## Answers



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|  |  |  |  |  |  |  |  | 1 | 1 |  |  | 1 |  | 4 |  | 1 |  | 1 | 1 | 1 |  |  |  |  |
|  |  |  |  |  |  |  |  | 1 | 1 | 1 | 1 | 1 | 10 | 4 |  | 1 | 1 | 1 | 1 | 1 | 2 |  |  |  |
|  |  |  |  |  |  |  | 2 | 1 | 1 | 1 |  | 2 | 1 | 3 |  | 2 | 1 | 1 | 1 | 1 | 3 |  |  |  |
|  |  |  |  | 1 | 1 | 2 | 5 | 1 | 1 | 1 |  | 5 | 2 | 1 | 10 | 1 | 1 | 3 | 3 | 1 | 1 | 2 | 1 | 1 |
|  |  |  | 1 | $\times$ | $\times$ | $\times$ | $\times$ | $\times$ | $\times$ | $x$ |  | $\times$ | $\times$ |  | $\times$ | $\times$ | x | x | $\times$ | $\times$ | $\times$ | $\times$ | $\times$ | $\times$ |
|  |  |  | 1 | $\times$ | $\times$ | $\times$ | $\times$ | X | $\times$ | $\times$ |  | $\times$ | $\times$ |  | x | $\times$ | - | $\times$ | $\times$ | $\times$ | x | $\times$ | $\times$ | $\times$ |
|  |  |  | 1 | $\times$ | $\times$ | $\times$ | $\times$ | $\times$ | $\times$ | $\times$ |  | $\times$ | $\times$ |  | $\times$ | $\times$ | $\times$ | $\times$ | $\times$ | $\times$ | $\times$ | $\times$ | $\times$ | $\times$ |
|  |  |  | 3 | $\times$ | $\times$ | $\times$ | $\times$ | $\times$ | $\times$ | $\times$ |  | $\times$ |  |  |  | $\times$ | $\times$ | $\times$ | $\times$ | $\times$ | $\times$ | $\times$ | $\times$ | x |
|  |  | 1 | 1 | $\times$ | X | $\times$ | $\times$ | $\times$ | $\times$ | x |  | $\times$ |  | $\times$ |  | $\times$ | $x$ | $\times$ | $\times$ | $\times$ | $\times$ | $\times$ | $\times$ | x |
|  |  | 2 | 2 | x | $\times$ | $\times$ | $\times$ | $\times$ | x | X |  |  |  | $\times$ |  |  | $x$ | x | $\times$ | $\times$ | X | $\times$ | $\times$ | x |
| 5 | 1 | 1 | 5 | $\times$ | X |  |  |  |  |  |  | x |  | $\times$ |  | $\times$ |  |  |  |  |  |  | $\times$ | $\times$ |
| 4 | 1 | 1 | 4 |  |  |  |  | $\times$ | x | X |  | $\times$ |  | $\times$ |  | $\times$ | $x$ | $x$ | * | $\times$ |  |  |  |  |
|  |  | 5 | 5 | $\times$ | $\times$ | $\times$ | $\times$ |  |  |  |  |  |  | $\times$ |  |  |  |  |  |  | $\times$ | $\times$ | $\times$ | x |
|  |  | 1 | 1 | $\times$ | $\times$ | $\times$ | $\times$ | $\times$ | x | $x$ |  | x |  | $\times$ |  | $x$ | $x$ | $x$ | $\times$ | $\times$ | $\times$ | $\times$ | $\times$ | $\times$ |
|  |  |  | 3 | $\times$ | $\times$ | $\times$ | $\times$ | $\times$ | x | x |  | $\times$ |  |  |  | $\times$ | x | $x$ | $\times$ | $\times$ | $\times$ | $\times$ | $\times$ | $\times$ |
|  |  |  | 5 | $\times$ | + | + $\times$ | $\times$ | $\times$ | - $\times$ | X |  |  |  |  |  |  | $\times$ | x | $\times$ | x $\times$ | x $\times$ | $\times$ | $\times$ | $\times$ |
|  |  |  | 7 | $\times$ | $\times$ | x $\times$ | $\times$ | $\times$ | x |  |  |  |  |  |  |  |  | $x$ | $\times$ | $\times$ | x $\times$ | $\times$ | $\times$ | $\times$ |
|  |  |  | 1 | $\times$ | $\times$ | + $\times$ | $\times$ | $\times$ | x | $x$ |  | $x$ | $\times$ |  | x | $\times$ | $x$ | $x$ | $\times$ | $\times$ | $\times$ | $\times$ | $\times$ | $\times$ |
|  |  |  | 0 | $\times$ | + | + $\times$ | $\times$ | $\times$ | x | $x$ |  | $\times$ | $\times$ | $\times$ | $\times$ | x | x | x | $\times$ | $\times$ | $\times$ | $\times$ | X | x |
|  | 3 | 3 | 3 | x | $\times$ | x $\times$ |  |  |  | X |  |  |  |  | x | x | $x$ |  |  |  |  | $\times$ | x $\times$ | $\times$ |
| 1 | 1 | 1 | 1 | $\times$ | $\times$ | x |  | $\times$ | $x$ | $x$ |  |  | x |  | $\times$ | $\times$ | $x$ | $x$ | $\times$ | $\times$ |  | $\times$ | $\times$ | $\times$ |
| 2 | 3 | 1 | 3 | x | $\times$ | x |  |  | $\times$ | $x$ |  |  |  |  | $x$ |  | $x$ |  |  |  |  | $\times$ | $\times$ | $\times$ |
|  | 1 | 2 | 1 | $\times$ | $\times$ | x |  | $\times$ | $\times$ | $x$ |  |  |  | $\times$ | x | $\times$ | $x$ |  |  | $\times$ | $\times$ | $\times$ | x | $\times$ |
| 3 | 1 | 1 | 3 | $\times$ | $\times$ | X |  |  |  | $x$ |  |  | $\times$ |  | $\times$ | $\times$ | $x$ |  |  |  |  | $\times$ | $\times$ | $\times$ |



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|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 | 2 |  | 2 |  |  |  |  | 2 | 1 | 1 | 2 |  |  | 2 |  |  |
|  |  |  |  |  |  |  | 1 | 3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 2 | 2 | 2 |  | 6 | 4 |  | 3 | 1 | 1 | 1 |  | 2 | 1 | 2 |  |
|  |  |  |  |  |  |  | 1 | 3 | 6 | 6 | 4 |  | 4 | 2 | 2 | 2 | 18 | 16 | 14 | 12 | 10 | 8 | 6 | 4 | 4 | 1 | 2 | 1 | 2 | 2 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | 3 | 1 | 5 | 2 |
|  |  |  |  |  |  | 1 | $\times$ | 1 $\times$ $\times$ $\times$ | 1 $\times \times$ $\times$ | $\times$ | $\times$ |  | ＋ | $\begin{array}{r} \\ \times \\ \times \\ \times \\ \hline\end{array}$ | 1 <br> $\times \times$ <br> $\times \times$ | ＋ |  | $\times$ | $\times$ | $\times \times$ $\times \times$ $\times 8$ | $\times \times$ $\times \times$ $\times 8$ | $\times$ | ¢ $\times$ | $\times$ | $\times$ <br> $\times \times$ <br> $\times$ | $\times$ |  <br> $\times$ <br> $\times$ <br> $\times$ | ¢ $\times$ | ＋$\times$ | 1 $\times \times$ $\times$ | 1 $\times \times$ $\times \times$ | ¢ $\times$ |  <br> $\times \times$ <br> $\times$ <br> $\times$ | ¢ | ¢ | ¢ $\times$ | $\times$ | 1 $\times$ $\times$ $\times$ | 1 $\times \times$ $\times \times$ | 1 $\times$ $\times$ $\times$ | 5 $\times \times$ $\times$ | $\times$ <br> $\times \times$ |
|  |  |  |  |  |  | 2 | ＋$\times$ | $\times$ $\times$ $\times$ $\times$ $\times$ | $x$ <br> $\times \times$ <br> $\times \times x$ | x $\times$ | $\begin{array}{r}x \\ \times \times \\ \times 8 \\ \hline\end{array}$ |  |  | $\times$ $\times \times$ $\times \times$ $\times$ | $x$ $\times \times$ $\times \times$ $\times \times$ | x $\times$ |  |  | $\times$ | $\begin{array}{r}\times \\ \times \times \\ \times 8 \\ \hline\end{array}$ | $\begin{array}{r}\times \times \\ \times \times \\ \times \times \\ \hline\end{array}$ |  | 年 | x $\times$ | $\times 1$ <br> $\times \times$ <br> $\times$ | ${ }^{x} \times$ | $\times 1$ <br> $\times \times$ <br> $\times 8$ | $\times \times$ <br> $\times \times$ <br> $\times 8$ | $\times$ $\times \times$ $\times \times$ $\times$ | $\times 1$ $\times \times$ $\times \times$ $\times$ | $\begin{array}{r}\times \\ \times \times \\ \times \times \\ \hline\end{array}$ | $x$  <br> $\times \times$  <br> $\times$  | 年 | $x$ <br> $\times$ <br> $\times$ <br> $\times$ | $x$ <br> $\times$ <br> $\times$ | $x$  <br> $\times$  <br> $\times$  | $\frac{x}{x}$ | 文 | $\begin{array}{r}\times \\ \times \times \\ \times \times \\ \hline\end{array}$ | ＋$\times$ | $\begin{array}{r}\times \\ \times \times \\ \times \times \\ \hline\end{array}$ | $\begin{array}{r}\times \\ \times \times \\ \times \\ \hline\end{array}$ |
|  |  |  |  |  |  | 3 | ＋$\times$ | $\times$ $\times$ $\times$ $\times$ $\times$ | $\times$ | $\times$ | x |  |   <br> $\times \times$  <br> $\times$  <br> $\times$  | $\times$ | $\times$ | ＋ |  |  |  | $\times$ | $\times$ | $x$ | ＋$\times$ | $x$ | $\times$ | $x$ | $\times$ | ＋$\times \times$ | $\times$ | $\times$ | $\times \times$ <br> $\times \times$ <br> $\times \times$ | $x$  <br> $\times \times$  <br> $\times$  <br> $\times$  | 年 | $\times$ | x $\times$ |  <br> $\times$ <br> $\times$ <br> $\times$ | $\frac{x}{x}$ | 年 | $\times$ | $x$ | $\times \times$ | $\begin{array}{r}\times \\ \times \times \\ \times \times \\ \hline\end{array}$ |
|  |  |  |  |  |  | 4 | $\times$ | $\begin{array}{r}\times \\ \times \\ \times \\ \times \\ \hline\end{array}$ | $\times$ $\times$ $\times$ $\times$ | x | x |  | x | $\begin{array}{r}\times \\ \times \\ \times \\ \times \\ \hline\end{array}$ | $\times 1$ <br> $\times \times$ <br> $\times$ | $\times$ $\times$ $\times$ $\times$ |  |  |  |  | $\times$ | $x$ | x $\times$ | x | x $\times$ | x | $\times$ <br> $\times \times$ <br> $\times 8$ | x $\times$ | $\begin{array}{r}\times \\ \times \times \\ \times \times \\ \hline\end{array}$ | $\begin{array}{r}\times \\ \times \times \\ \times \times \\ \hline\end{array}$ | $\begin{array}{r}\times \\ \times \times \\ \times \times \\ \hline\end{array}$ | $x$ <br> $\times$ <br> $\times$ <br> $\times$ | x | $\times$ <br> $\times \times$ <br> $\times$ | ＋$\times$ |   <br> $\times$  <br> $\times$  | $\frac{x}{x}$ | $\times$ <br> $\times$ <br> $\times$ <br> $\times$ | $\begin{array}{r}\times \\ \times \times \\ \times \times \\ \hline\end{array}$ | x | $\begin{array}{r}\times \\ \times \times \\ \times \times \\ \hline\end{array}$ | $\begin{array}{r}\times \\ \times \times \\ \times \\ \hline\end{array}$ |
|  |  |  |  |  |  | 5 | $\times$ | $\times$ | ＋$\times$ | $\times$ | ＋$\times$ |  | $\times 1$ <br> $\times \times$ <br> $\times \times$ | $\begin{array}{r}\times \\ \times \times \\ \times \times \\ \hline\end{array}$ | $\times 1$ $\times \times x$ $\times x \times$ | $\times$ $\times$ $\times$ |  |  |  |  |  | $\times$ | $\begin{array}{r}\times \\ \times \times \\ \times \times \\ \hline\end{array}$ | ＋$\times$ | $\begin{array}{r}\times \\ \times \times \\ \times \times \\ \hline\end{array}$ | $\times$ | $\times$ <br> $\times \times$ <br> $\times \times$ |  | $\begin{array}{r}\times \\ \times \times \\ \times \times \\ \hline\end{array}$ | $\times$ $\times \times x$ $\times \times x$ | $\times \times$ $\times \times$ $\times \times$ | $x$ <br> $\times \times$ <br> $\times \times$ | ＋$\times$ | ＋$\times$ | x $\times$ |  | ＋ | x $\times$ | $\times$ $\times \times$ $\times \times$ | $\times$ $\times \times$ $\times \times$ | $\times$ $\times \times$ $\times \times$ | $\times 1$ <br> $\times \times$ <br> $\times \times$ |
|  |  |  |  | 2 |  | 6 |  |  | $x$ | $\times$ | $x$ |  | $x$ <br> $\times \times$ <br> $\times$ <br> $\times$ | $\times$ <br> $\times \times$ <br> $\times \times$ <br> $\times$ | $\times \times$ <br> $\times \times x$ <br> $\times \times x$ | ¢ $\times$ |  |  |  |  |  |  | $\times$ | x $\times$ |   <br> $\times \times$  <br> $\times \times$  <br> $\times$  | $\times$ | $x$  <br> $\times \times$  <br> $\times$  <br> $\times$  |  | $\times$ <br> $\times \times$ <br> $\times \times$ <br> $\times$ | $x$ $\times \times$ $\times \times$ | $\times \times$ |  | $x$ <br> $\times$ <br> $\times$ <br> $\times$ <br> $\times$ |  <br> $\times \times$ <br> $\times$ <br> $\times$ |  | $x$  <br> $\times \times$  <br> $\times$  | x | $\times 1$ <br> $\times \times$ <br> $\times \times$ <br> $\times$ | $\times \times$ <br> $\times \times$ <br> $\times \times$ | $\times$ $\times \times$ $\times \times$ $\times 8$ | $\times \times$ $\times \times \times$ $\times \times$ | $\times \times$ <br> $\times \times$ <br> $\times$ |
|  |  |  | 3 | 7 |  | 1 | x |  |  |  | $x$ |  | x | $\begin{array}{r}\times \\ \times \times \\ \times \\ \hline\end{array}$ | $x$ $\times \times$ $\times \times$ $\times 8$ | ＋$\times$ |  |  |  |  |  |  |  | $\times$ | $\times$ | $\times$ | x $\times \times$ | x $\times \times$ | $\times$ $\times \times$ $\times \times$ $\times$ | ＋$\times$ |  | $\times$ | x | x $\times \times$ $\times \times$ | x $\times$ |  | $x$ | $\times$ <br> $\times \times$ <br> $\times \times$ <br> $\times$ | $\times \times$ $\times \times$ $\times \times$ | x | $\times$ $\times \times$ $\times \times$ | $\begin{array}{r}\times \\ \times \times \\ \times \times \\ \hline\end{array}$ |
|  |  |  | 5 | 9 |  | 2 | －$\times$ |  |  |  |  |  |  | $\times$ | $\times$ | x |  |  |  |  |  |  |  |  |  | x | $\times$ | $\times$ | $\times$ | $\times$ |  |  | x | $\times$ | x | x $\times$ | $x$ | $\times$ | $\times$ | $x$ | $\times$ | ＋$\times$ |
|  |  |  |  |  |  | 33 | $\times$ | $\times$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | 33 | $\times$ | x $\times$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | 5 | 9 |  | 2 | x |  |  |  |  |  |  | $\times$ | $\times$ | x |  |  |  |  |  |  |  |  |  | $\times$ | x | x $\times$ | x | $\times$ |  |  | $\times$ | $\times$ | $x$ | $\times$ | $\times$ | $\times$ | $\times$ | $\times$ | $\times$ | ＋$\times 1$ |
|  |  |  | 3 | 7 | 1 | 1 | $\times$ |  |  |  | $\times$ |  | $\begin{array}{r}\times \\ \times \times \\ \times \times \\ \hline\end{array}$ | x $\times \times$ $\times \times$ $\times$ | $x$ <br> $\times \times$ <br> $\times \times$ | x $\times$ |  |  |  |  |  |  |  | $\frac{x}{x}$ | x $\times$ | $\times$ | $\times$ $\times \times$ $\times \times$ $\times$ | x $\times \times$ | $\begin{array}{r}\times \\ \times \times \\ \times \times \\ \hline\end{array}$ | $\times$ |  | x | x $\times$ | ＋$\times$ | x | $x$ <br> $\times$ <br> $\times$ <br> $\times$ | $\frac{x}{x}$ | x $\times$ | $\begin{array}{r}\times \\ \times \times \\ \times \times \\ \hline\end{array}$ | $\times$ | $\begin{array}{r}\times \\ \times \times \\ \times \times \\ \hline\end{array}$ | $\times 1$ <br> $\times \times$ <br> $\times$ |
|  |  |  |  | 2 |  | 6 |  |  | $\times$ | $\times$ | $x$ $\times$ $\times$ $\times$ |  | $\times$ <br> $\times \times$ <br> $\times \times$ <br> $\times$ | $\times$ | $\times \times$ | x |  |  |  |  |  |  | $\frac{x}{x}$ | $\times$ | $\times \times$ | $\times$ | $\times$ | $\times$ | $\times$ | $\times$ | $\times$ | x $\times$ | x | $\times$ | x | $\times$ | $\times$ | $\times$ | $\times$ | $\times$ | $\times$ | $\times$ |
|  | 5 | 1 | 1 | 4 |  | 3 | $\times$ | x | x $\times \times$ $\times$ $\times$ | $\times$ | $\begin{array}{r}\times \\ \times \\ \times \\ \times \\ \hline\end{array}$ |  | $\times$ <br> $\times \times$ <br> $\times \times$ <br> $\times$ | $\times$ $\times \times$ $\times \times$ $\times$ | $\times 1$ <br> $\times \times$ <br> $\times \times$ | $\times$ <br> $\times$ <br> $\times$ |  |  |  |  |  | $\times$ | $\frac{x}{x} \times$ | $\times$ | $\times \times$ | x |  | ＋ |  | $\times$ | x $\times$ |  | x |  |  |  |  | $\times$ |  |  |  | $\times$ |
| 4 | 1 | 1 | 1 | 1 |  | 1 | $\times$ <br> $\times$ <br> $\times$ | $x$ $\times \times$ $\times \times$ $\times \times$ | $\times$ $\times \times$ $\times \times$ $\times \times$ | x $\times$ | $\times$ $\times \times$ $\times \times$ $\times \times$ |  | $\times$ <br> $\times \times$ <br> $\times \times$ <br> $\times 8$ | $\begin{array}{r}\times \\ \times \times \\ \times \times \\ \hline \times\end{array}$ | $\times 1$ $\times \times x$ $\times \times x$ | $\times$ <br> $\times$ <br> $\times$ |  |  |  |  | ＋ | ＋$\times$ | $x$ | x | $\times$ $\times \times$ $\times \times$ | ＋ |  | $\times$ |  | $\times$ | $\times$ | $\times$ | 年 |  | $\times$ | $x$ | x | 年 |  | $\times$ |  | $\times$ |
|  | 3 | 1 | 2 | 3 |  | 3 | － | $\times$ $\times$ $\times$ $\times$ $\times$ |  | $\times$ | $\times$ $\times \times$ $\times \times$ $\times$ |  |  | $\times$ <br> $\times \times$ <br> $\times$ <br> $\times$ |  | $\frac{\mathrm{x}}{\times}$ |  |  |  | ＋ | $\times$ <br> $\times \times$ <br> $\times \times$ | $\times$ | x $\times$ | $\frac{x}{x}$ |  | x | $x$ |  | $\times$ | ${ }^{\times} \times$ |  |  | $\frac{\mathrm{x}}{\mathrm{x}}$ |  |  |  | $x$ | $\times$ |  |  |  | x |
|  | 2 | 1 | 1 | 1 |  | 1 | －$\times$ | $\times$ <br> $\times$ <br> $\times$ <br> $\times$ | $\times$ | $\times$ | x $\times$ |  | $x$  <br> $\times \times$  <br> $\times$  <br> $\times$  | $\times$ $\times \times$ $\times \times$ $\times$ | $x$ $\times \times$ $\times \times$ $\times \times$ | ＋$\times$ |  |  | $\times$ | $\begin{array}{r}\mathrm{x} \\ \times \times \\ \times \times \\ \hline\end{array}$ | $\times \times$ $\times \times x$ $\times \times x$ | $\times$ | x $\times$ | $\times$ | $\times \times$ | $\times$ |  | x |  | $\times$ | x $\times$ | ＋$\times$ | 立 | $\times$ | $\times$ | $x$ |  | $\times$ | $\times$ | $\times$ |  | x |
|  | 1 | 1 | 1 | 3 |  | 1 | $\times$ | ＋$\times$ | $\times$ | $\times$ | －$\times$ |  | ＋$\times$ | $\times$ | $\times$ | x |  | $\times$ | $\times$ | $\times$ | $\times$ | $\times$ | $\times$ | $\times$ | $\times$ | $\times$ |  | $\times$ |  | $\times$ | $\times$ | $\times$ | $\times$ |  |  |  | $\times$ | $\times$ | ＋$\times$ | $\times$ |  | $\times$ |

