

The diagram illustrates the expansion of an exponential function using a grid of dots. It shows a sequence of terms separated by plus signs, with an equals sign on the left.

- The first term is a square box containing a vertical column of dots. To the right of the top dot is a plus sign. A dashed arc connects the top dot to the right side of the box. Below the box is a horizontal arrow pointing to the left.
- An equals sign follows.
- The second term is a horizontal arrow pointing to the left.
- The third term is a vertical column of dots with a plus sign to the right of the top dot. A dashed arc connects the top dot to the right side of the column. Below the column is a horizontal arrow pointing to the left.
- The fourth term is a plus sign followed by the fraction  $\frac{1}{2!}$ .
- The fifth term is a 2x2 grid of dots with plus signs to the right of the top two dots. A dashed arc connects the top-left dot to the right side of the grid. Below the grid is a horizontal arrow pointing to the left.
- The sixth term is a plus sign followed by the fraction  $\frac{1}{3!}$ .
- The seventh term is a 3x3 grid of dots with plus signs to the right of the top three dots. A dashed arc connects the top-left dot to the right side of the grid. Below the grid is a horizontal arrow pointing to the left.
- The eighth term is a plus sign followed by three dots.