

có  $n$  nhân tử

$$(1+x)^n = (1+x) \cdot (1+x) \cdot \dots \cdot (1+x) \cdot (1+x)$$

$$= \begin{array}{ccccccc} \downarrow 1 & & \downarrow 1 & & \downarrow 1 & & \downarrow 1 \\ \begin{array}{c} 1 \\ \downarrow 1 \\ 1 \\ \downarrow 1 \\ 1 \\ \downarrow 1 \\ \vdots \\ x \\ \downarrow x \\ x \end{array} & \cdot & \begin{array}{c} 1 \\ \downarrow 1 \\ 1 \\ \downarrow 1 \\ 1 \\ \downarrow 1 \\ \vdots \\ x \\ \downarrow x \\ x \end{array} & \cdot & \dots & \cdot & \begin{array}{c} 1 \\ \downarrow 1 \\ 1 \\ \downarrow x \\ x \\ \downarrow x \\ x \end{array} \cdot \begin{array}{c} 1 \\ \downarrow x \\ x \\ \downarrow 1 \\ 1 \\ \downarrow x \\ x \end{array} \\ & & & & & & \vdots \\ & & & & & & \vdots \\ & & & & & & \vdots \\ & & & & & & \vdots \\ & & & & & & \vdots \end{array} +$$

các số hạng