An aligned equation

(1)

(2)

(3)

(4)

An aligned equation

(1)
$$\sum_{i=1}^{n} i$$

(2)

(3)

(4)

An aligned equation

(1) $$\sum_{i=1}^{n} i \;=\; 1 + 2 + \cdots + (n-1) + n$$

(2)

(3)

(4)

An aligned equation

(1)
$$\sum_{i=1}^{n} i \;=\; 1 + 2 + \cdots + (n-1) + n$$

(2)
$$=\; 1 + n + 2 + (n-1) + \cdots$$

(3)

(4)

An aligned equation

$$\begin{aligned}
(1) \qquad \sum_{i=1}^{n} i &= 1 + 2 + \cdots + (n-1) + n \\
(2) \qquad &= 1 + n + 2 + (n-1) + \cdots \\
(3) \qquad &= (1+n) + \cdots + (1+n)
\end{aligned}$$

(4)

An aligned equation

$$
\begin{aligned}
(1) \qquad \sum_{i=1}^{n} i &= 1 + 2 + \cdots + (n-1) + n \\
(2) \qquad &= 1 + n + 2 + (n-1) + \cdots \\
(3) \qquad &= \underbrace{(1+n) + \cdots + (1+n)}_{\times \frac{n}{2}} \\[2em]
(4) \qquad &
\end{aligned}
$$

An aligned equation

$$
\begin{aligned}
\text{(1)} \quad \sum_{i=1}^{n} i \;&=\; 1 + 2 + \cdots + (n-1) + n \\[1em]
\text{(2)} \quad &=\; 1 + n + 2 + (n-1) + \cdots \\[0.5em]
\text{(3)} \quad &=\; \underbrace{(1+n) + \cdots + (1+n)}_{\times \frac{n}{2}} \\[1em]
\text{(4)} \quad &=\; \dfrac{(1+n)}{\rule{3cm}{0.4pt}}
\end{aligned}
$$

An aligned equation

$$(1) \quad \sum_{i=1}^{n} i \;=\; 1 + 2 + \cdots + (n-1) + n$$

$$(2) \qquad\qquad =\; 1 + n + 2 + (n-1) + \cdots$$

$$(3) \qquad\qquad =\; \underbrace{(1+n) + \cdots + (1+n)}_{\times \frac{n}{2}}$$

$$(4) \qquad\qquad =\; \frac{(1+n) \cdot n}{2}$$