

$$f(x) = x^2 + 1$$

$$M = \{ \underbrace{2 \cdot x}_{\substack{\uparrow \quad \uparrow \\ x+x}} \mid x \in \mathbb{N} \}$$

$$2 \cdot f(x) = 20$$

$$\sum_{i=0}^{10} i$$

```

int i = 0;
print(i);
i = i + 1;
print(i);

```

$$\forall x. p(x) \wedge q(x) \Rightarrow r(x)$$

$$\begin{cases} 3x + 5y = 11 \\ x + 2y = 4 \end{cases}$$

$$f(x) = x^2 + 1$$

$$f: \mathbb{R} \rightarrow \mathbb{R}^+$$

$$f(5) = 26$$

$$f(5) + f(5) = 2 \cdot f(5)$$

$$\underline{f(x) + f(x) = 2 \cdot f(x)}$$

print(i)

$$\text{read}() + \text{read}() \neq 2 \cdot \text{read}()$$

$$x \in \mathbb{R}^+$$

$$2 \cdot f(x) = 20$$

$$2 \cdot (x^2 + 1) = 20 \quad | :2$$

$$x^2 + 1 = 10 \quad | -1$$

$$x^2 = 9 \quad | \sqrt{\quad}$$

$$\underline{x = 3}$$