$$\langle expr \rangle$$

$$\langle expr \rangle \quad * \quad \langle expr \rangle$$

$$\langle expr \rangle \quad + \quad \langle expr \rangle \qquad \langle int \rangle$$

$$\langle int \rangle \qquad \langle int \rangle \qquad -\langle nat \rangle$$

$$\langle digit \rangle \langle nat \rangle \qquad \langle nat \rangle \qquad -(\langle digit \rangle \langle nat \rangle)$$

$$\qquad\qquad -(\langle digit \rangle \langle digit \rangle)$$

$$\langle digit \rangle \langle digit \rangle \qquad \langle digit \rangle \qquad -07$$

$$1 \quad 2 \qquad\qquad 2$$

$\langle expr \rangle \rightarrow \langle expr \rangle * \langle expr \rangle$

$\rightarrow \langle expr \rangle * \langle int \rangle$

$\rightarrow \langle expr \rangle * (-\langle nat \rangle)$

$\rightarrow \langle expr \rangle * -(\langle digit \rangle \langle nat \rangle)$

$\rightarrow \langle expr \rangle * -(\langle digit \rangle \langle digit \rangle) \rightarrow \langle expr \rangle * -(\langle digit \rangle 7)$

$\rightarrow \langle expr \rangle * -07$

$\rightarrow \langle expr \rangle + \langle expr \rangle * -07$

$\rightarrow \langle expr \rangle + \langle int \rangle * -07$

$\rightarrow \langle expr \rangle + \langle nat \rangle * -07$

$\rightarrow \langle expr \rangle + \langle digit \rangle * -07$

$\rightarrow \langle expr \rangle + 2 * -07$

$\rightarrow \langle int \rangle + 2 * -07$

$\rightarrow \langle nat \rangle + 2 * -07$

$\rightarrow \langle digit \rangle \langle nat \rangle + 2 * -07$

$\rightarrow \langle digit \rangle \langle digit \rangle + 2 * -07$

$\rightarrow \langle digit \rangle 2 + 2 * -07$

$\rightarrow 12 + 2 * -07$

2. $\langle stmt \rangle \rightarrow$ for $\langle id \rangle = \langle expr \rangle$ to $\langle expr \rangle$ do $\langle stmt \rangle$

$\rightarrow$ for $\langle letter \rangle = \langle expr \rangle$ to $\langle expr \rangle$ do $\langle stmt \rangle$

$\rightarrow$ for $\quad x \quad = \langle expr \rangle$ to $\langle expr \rangle$ do $\langle stmt \rangle$

$\rightarrow$ for $\quad x \quad = \langle int \rangle$ to $\langle expr \rangle$ do $\langle stmt \rangle$

$\rightarrow$ for $\quad x \quad = -\langle nat \rangle$ to $\langle expr \rangle$ do $\langle stmt \rangle$

$\rightarrow$ for $\quad x \quad = -\langle digit \rangle \langle nat \rangle$ to $\langle expr \rangle$ do $\langle stmt \rangle$

$\rightarrow$ for $\quad x \quad = -\langle digit \rangle \langle digit \rangle$ to $\langle expr \rangle$ do $\langle stmt \rangle$

$\rightarrow$ for $\quad x \quad = -1 \langle digit \rangle$ to $\langle expr \rangle$ do $\langle stmt \rangle$

$\rightarrow$ for $\quad x \quad = -12$ to $\langle expr \rangle$ do $\langle stmt \rangle$

$\rightarrow$ for $\quad x \quad = -12$ to $\langle int \rangle$ do $\langle stmt \rangle$

$\rightarrow$ for $\quad x \quad = -12$ to $\langle nat \rangle$ to $\langle stmt \rangle$

$\rightarrow$ for $\quad x \quad = -12$ to $\langle digit \rangle \langle nat \rangle$ do $\langle stmt \rangle$

$\rightarrow$ for $\quad x \quad = -12$ to $\quad 1 \langle nat \rangle$ do $\langle stmt \rangle$

$\rightarrow$ for $\quad x \quad = -12$ to $\quad 1 \langle digit \rangle$ do $\langle stmt \rangle$

$\rightarrow$ for $\quad x \quad = -12$ to $\quad 10$ do $\langle stmt \rangle$

$\rightarrow$ for $\quad x \quad = -12$ to $\quad 10$ do $\{ \langle stmts \rangle \}$

$\rightarrow$ for $\quad x \quad = -12$ to $\quad 10$ do $\{ \langle stmt \rangle ; \langle stmts \rangle \}$

$\rightarrow$ for $\quad x \quad = -12$ to $\quad 10$ do $\{ \langle id \rangle = \langle expr \rangle ; \langle stmts \rangle \}$

$\rightarrow$ for $\quad x \quad = -12$ to $\quad 10$ do $\{ \langle letter \rangle = \langle expr \rangle ; \langle stmts \rangle \}$

$\rightarrow$ for $\quad x \quad = -12$ to $\quad 10$ do $\{ \quad y = \langle expr \rangle ; \langle stmts \rangle \}$

$\rightarrow$ for $\quad x \quad = -12$ to $\quad 10$ do $\{ \quad y = \langle int \rangle ; \langle stmts \rangle \}$

$\rightarrow$ for $\quad x \quad = -12$ to $\quad 10$ do $\{ \quad y = \langle nat \rangle ; \langle stmts \rangle \}$

$\rightarrow$ for $\quad x \quad = -12$ to $\quad 10$ do $\{ \quad y = \langle digit \rangle ; \langle stmts \rangle \}$

$\rightarrow$ for $\quad x \quad = -12$ to $\quad 10$ do $\{ \quad y = \quad 0 ; \langle stmts \rangle \}$

$\rightarrow$ for $\quad x \quad = -12$ to $\quad 10$ do $\{ \quad y = \quad 0 ; \langle stmt \rangle \}$

$\rightarrow$ for $\quad x \quad = -12$ to $\quad 10$ do $\{ \quad y = 0 ; \text{pass} \}$