



$$n = 3 \qquad y = 4$$

$$n < 4$$

$$\text{if } n \neq 0 \qquad = 7 - 1$$

$$y = 4 - 3 \\ = 1$$

$$n = y - n \\ = 1 - 3 = -2$$

$$n < y \qquad -2 \neq 1 \\ -2 < 1$$

$$y = 1 + 2 = 3 \\ n = y - n = 3 - (-2) \\ = 5$$

$$n < y \\ 5 < 3 \text{ X}$$

$$1, 2, 3, 4, 5, 6, 7, 8, 9, 10$$

$$a = 10, \quad n = 0$$

$$n < a \\ \text{print} ("id", n + i) \\ n + i$$

$$\underline{2, 4, 6, 8, 9, 10}$$

$$n = 10 \\ n = 0$$



$$\text{while } (a < 10) \\ a ++$$

$$\underline{1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21} \\ \underline{21, 19, 17, 15, 13, 11, 9, 7, 5, 3, 1} \\ \underline{9, 7, 5, 3, 1}$$

$$5 \qquad n = 5$$

$$a = 0$$

$$n = 5$$

$$a = 1$$

$$i = 0$$

$$\text{while } (i < n) \\ \text{print} ("id",$$

$$n \times n - 1 \\ 10 - 1 = 9 \\ n \times 2$$

$$\begin{array}{r} 1 \\ 1 \\ 2 \\ 3 \\ 4 \\ 5 \\ \hline 1 \\ 1 \\ n \end{array} \qquad \begin{array}{r} 9 \\ 7 \\ 5 \\ 3 \\ 1 \\ 1 \end{array}$$