

$\langle \text{assign} \rangle \rightarrow \langle \text{id} \rangle = \langle \text{expr} \rangle$

$$a = a + 2 * b - 1 \{ a > 1 \}$$

$$a = 2 * b + 1$$

$$b = a - 3$$

$$\{ b < 0 \}$$

$$a \neq 1$$

$$a + 2 * b - 1 > 1$$

$$2 * b - 1 > 1 - a$$

$$2 * b > 2 - a$$

$$\boxed{b > \left(\frac{2 - a}{2} \right)}$$

$$\{ 2 * b < 2 \}$$

$$\{ b < 1 \}$$

$$a = 2 * b + 1 \{ 2 * b + 1 < 3 \}$$

$$b = a - 3 \{ a - 3 < 0 \}$$

$$\{ b < 0 \}$$