entry
$$r_1 = w$$

$$p ? br$$

$$side_0$$

$$t_1 = x + y$$

$$t_2 = x$$

$$t_1 = x + y$$

$$t_2 = x$$

$$t_3 = \phi(t_1, t_2)$$

$$\cdots = t_3$$

$$exit$$

$$r_5 = \phi(r_0, r_4)$$