$$head \begin{bmatrix} r_1 = w \\ p ? br \end{bmatrix} \qquad \underbrace{r_2 = x} \qquad \underbrace{r_3 = y}$$

$$side'_0 \qquad side_0 \qquad side_0$$

$$r_4 = r_1 \\ t_1 = x + y \qquad t_1 = x + y$$

$$side'_1 \qquad side_1 \qquad t_2 = x$$

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

$$\cdots = t_3$$

$$exit \quad \underbrace{r_5 = \phi(r_0, r_4, r_4)}$$