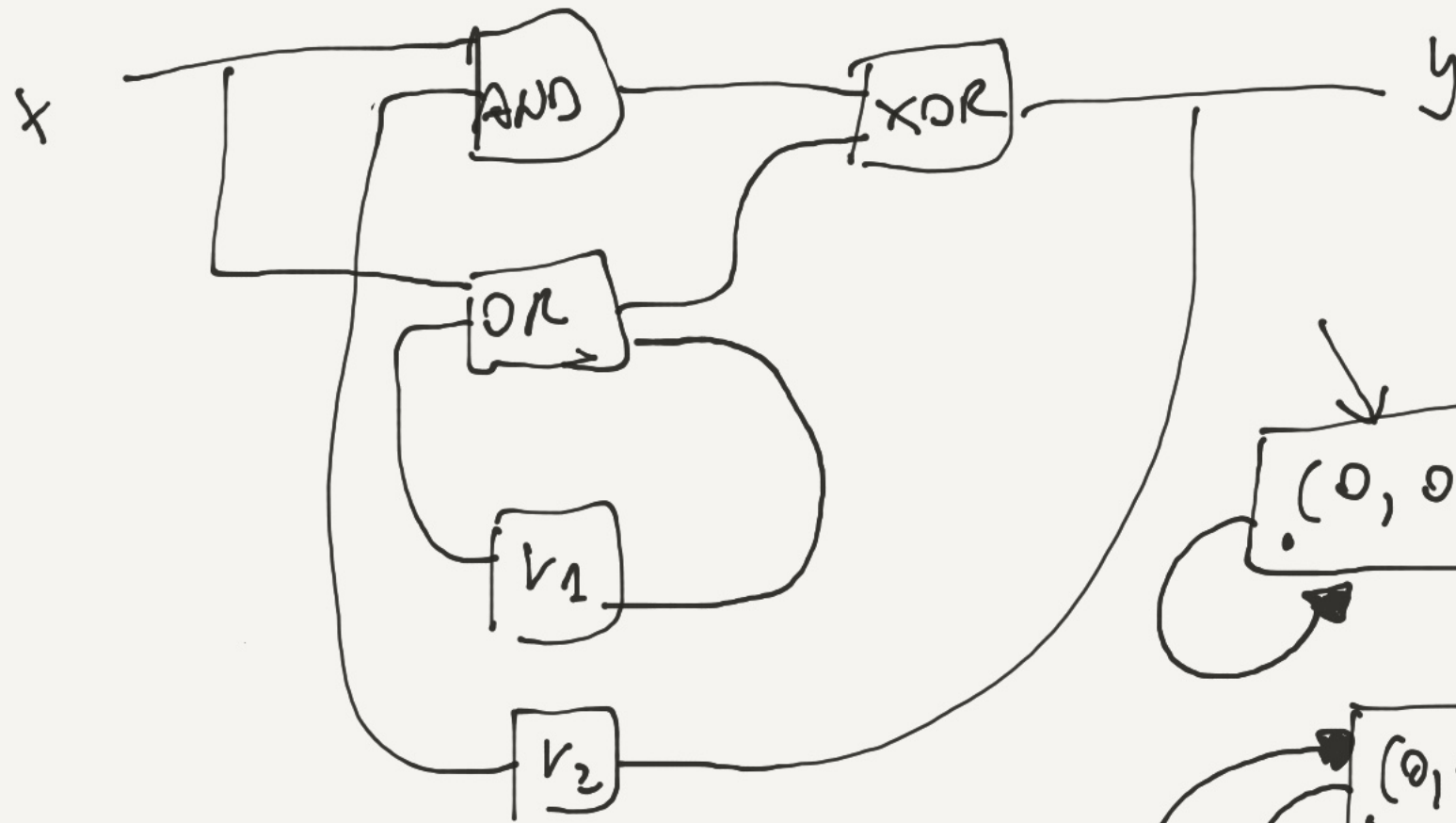
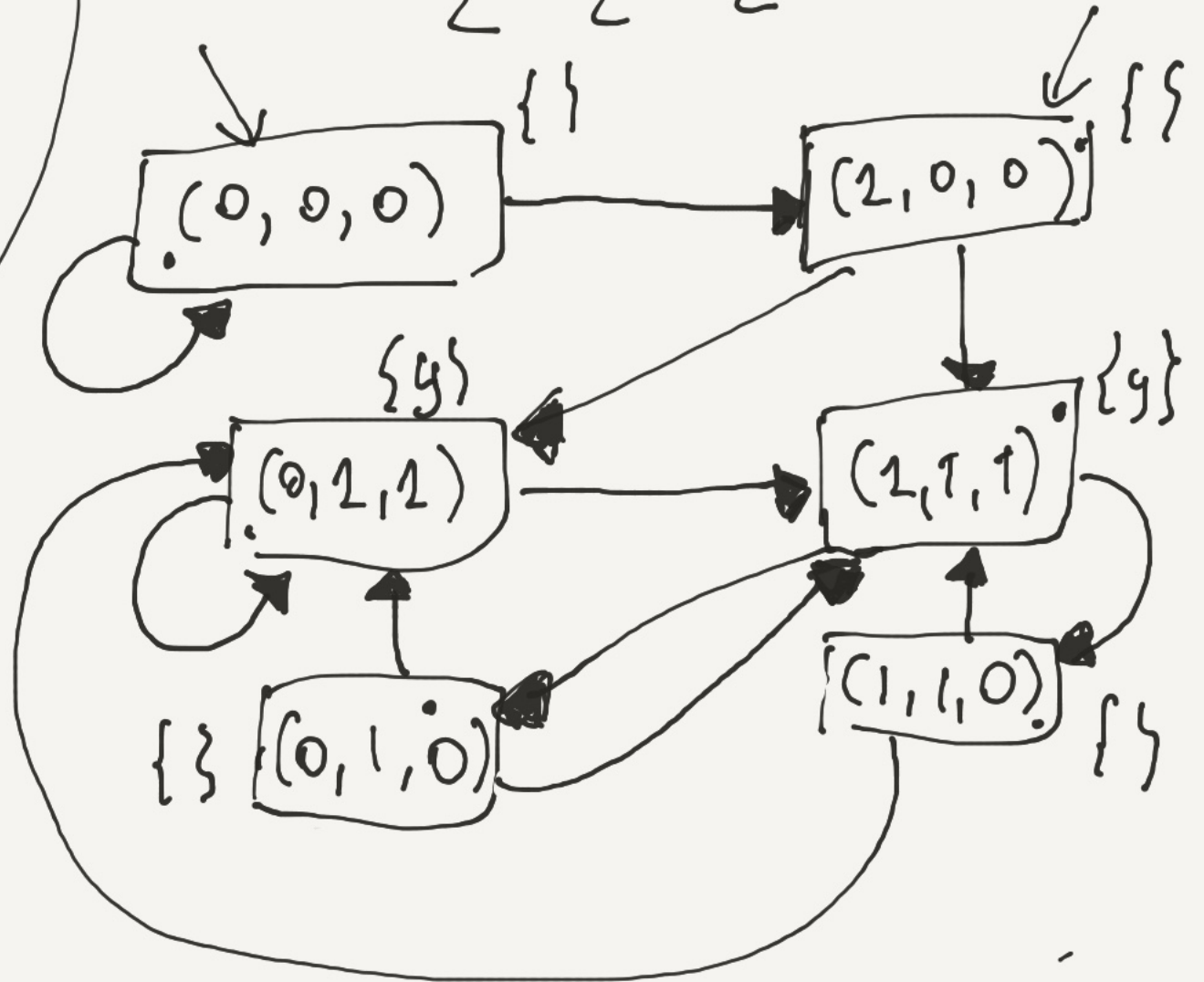


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# States =  $2^3 = 8$



$X, v_1, v_2$   $S = (x, v_1, v_2)$   
 $2 \quad 2 \quad 2$



$$\delta_{v_2} = (x \vee v_2)$$

$$\delta_{v_1} = ((x \wedge v_2) \text{ XOR } (x \vee v_2))$$

$y = \delta_{v_2}$      $AP = \{y\}$

$$\text{dom}(x) = \{0, 1, 2\}$$

$$\text{Effect}(\beta, \eta) = \eta[x := \eta(x) - 1]$$

$$\text{Effect}(\alpha, \eta) = \eta[x := 0]$$

$$\text{Effect}(\delta, \eta) = \eta[x := \eta(x) + 1]$$

$$S = \underset{2}{\text{Loc } x} \underset{3}{\text{Eval}(x)}$$

$$g_0 \equiv x = 1$$

