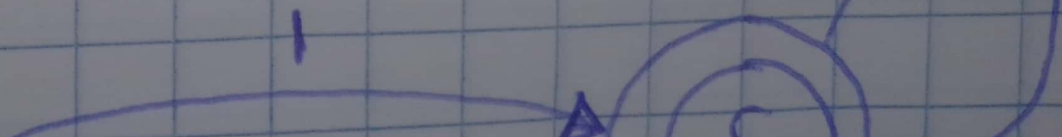
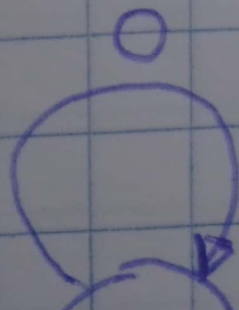


tabla de transición

a)

	0	1
$\rightarrow S_0$	$S_0$	$S_1$
$* S_1$	$S_2$	$S_1$
$S_2$	$S_0$	$S_2$



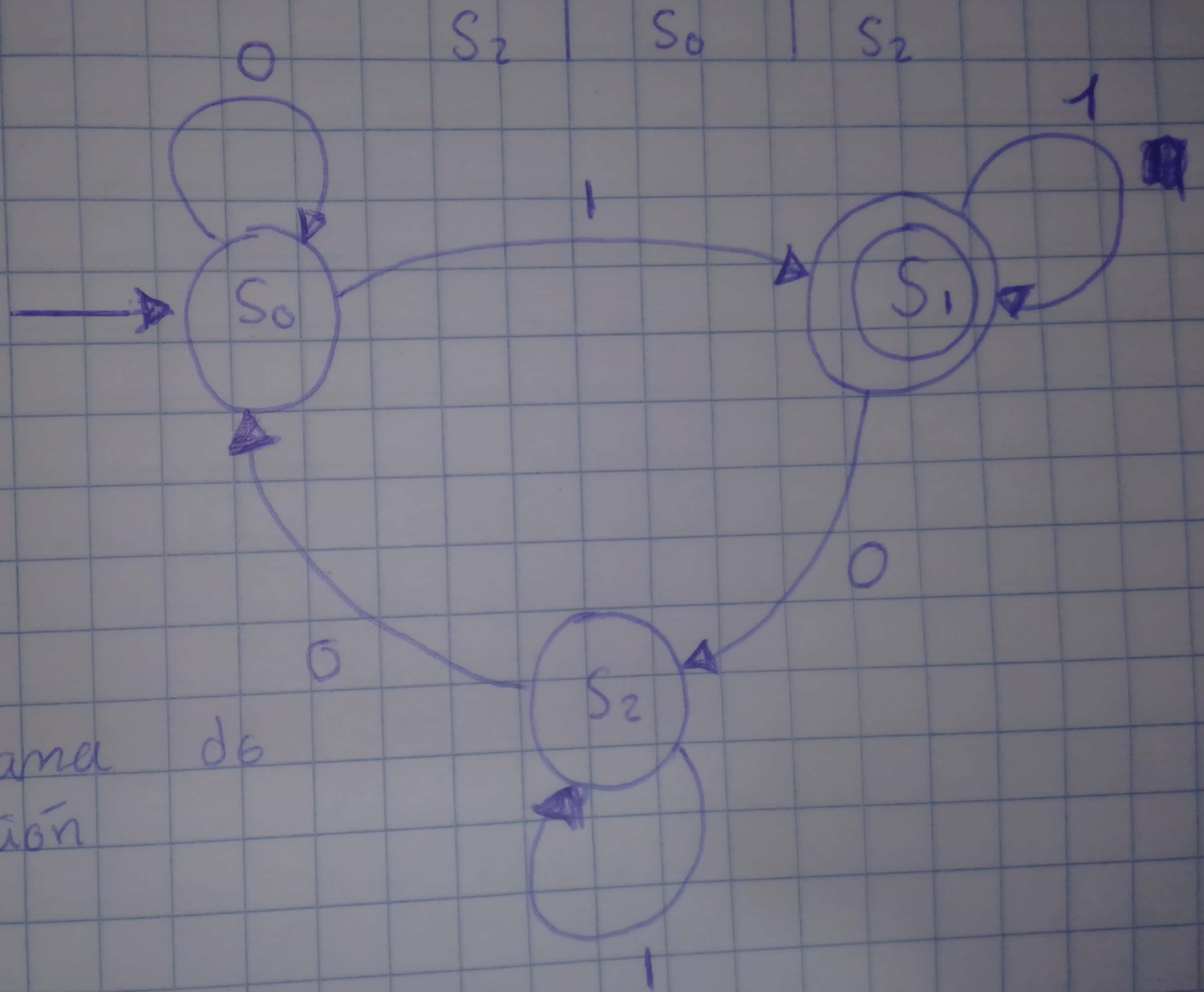


diagrama de  
transición

b) Sea la cadena  $w = 100101$

$$\hat{\delta}(s_0, 100101) = \hat{\delta}(\underbrace{\delta(s_0, 1)}_{s_1}, 00101)$$

$$= \hat{\delta}(s_1, 00101)$$

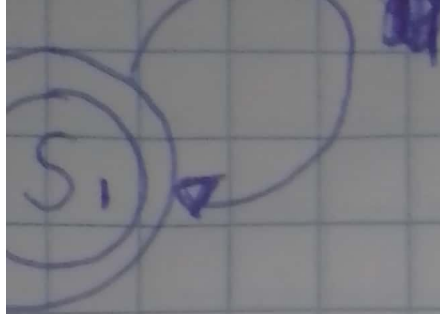
$$= \hat{\delta}(\underbrace{\delta(s_1, 0)}_{s_2}, 0101)$$

$$= \hat{\delta}(s_2, 0101)$$

$$= \hat{\delta}(\underbrace{\delta(s_2, 0)}_{s_0}, 101)$$

$$= \hat{\delta}(s_0, 101)$$





$$= \hat{\delta}(\underbrace{\delta(s_0, 1), 01}_{s_1})$$

$$= \hat{\delta}(s_1, 01)$$

$$= \hat{\delta}(\underbrace{\delta(s_1, 0), 1}_{s_2})$$

$$= \hat{\delta}(s_2, 1)$$

$$= \hat{\delta}(\underbrace{\delta(s_2, 1), \epsilon}_{s_2})$$

$$= \hat{\delta}(\underbrace{s_2, \epsilon}_{s_2})$$

$$= s_2$$

$$s_2 \notin F$$

M no acepta  
la cadena w