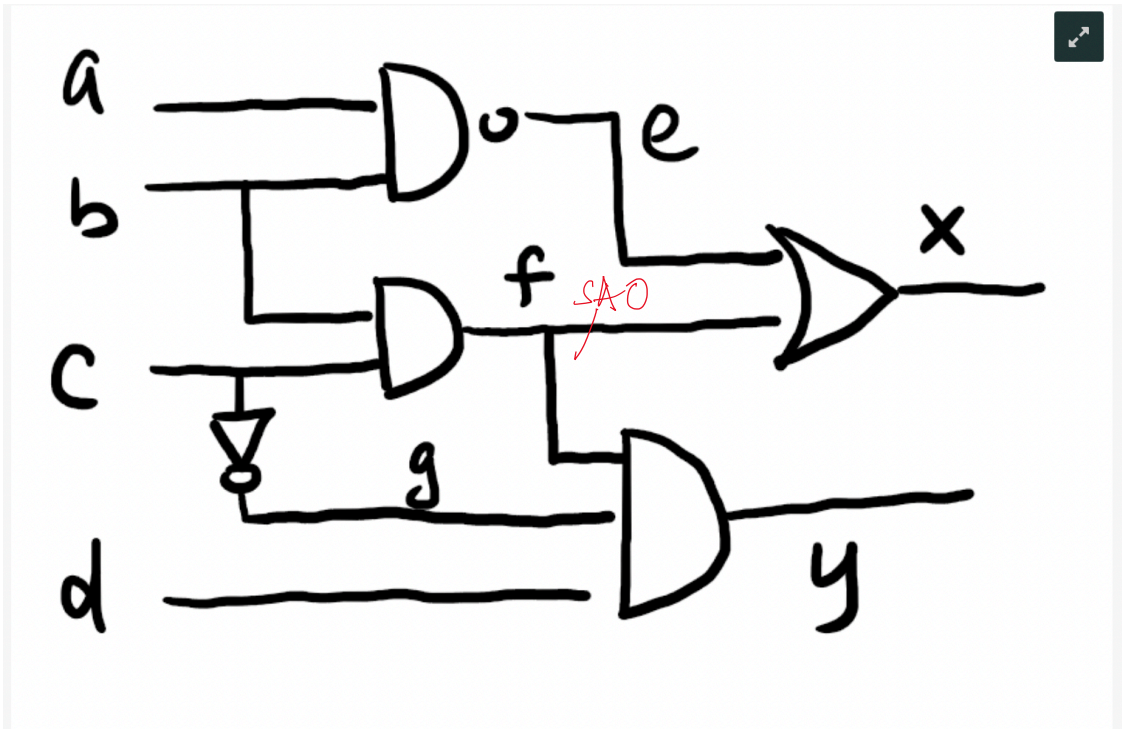


# HW1

Friday, September 6, 2024

11:50 AM



$f - \text{SAO}$

$\rightarrow f = 1/0 \rightarrow \text{activates fault}$

for  $f = 1/0 \Rightarrow b = 1/1, c = 1/1$

$\Rightarrow g = 0/0 \Rightarrow y = 0/0$

$\therefore f$  can be propagated only to  $y$

$\Rightarrow e = 0, x = 1/0$

For  $e = 0, \Rightarrow a = 1/1, b = 1/1$

$\therefore$  The T.V to detect SAO fault at  $f$  is

$abcd = 111x \Rightarrow 1110, 1111$