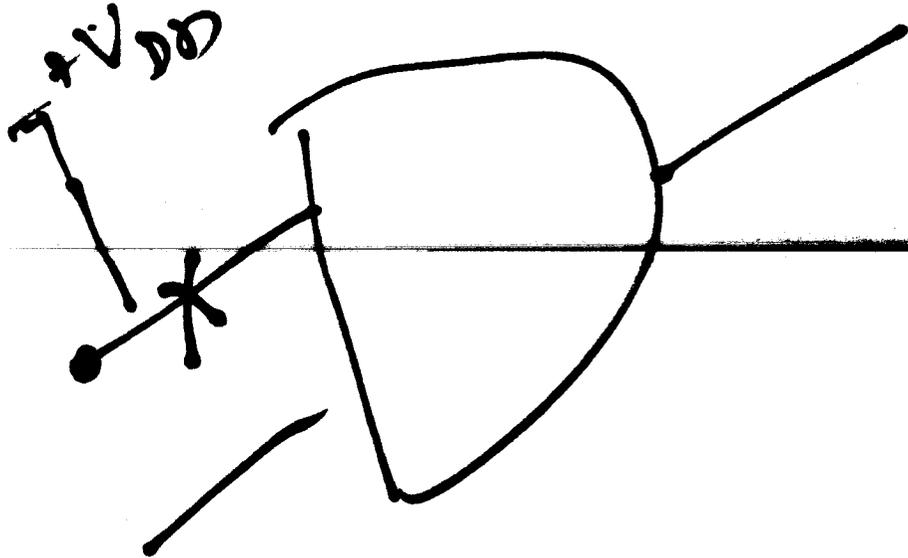
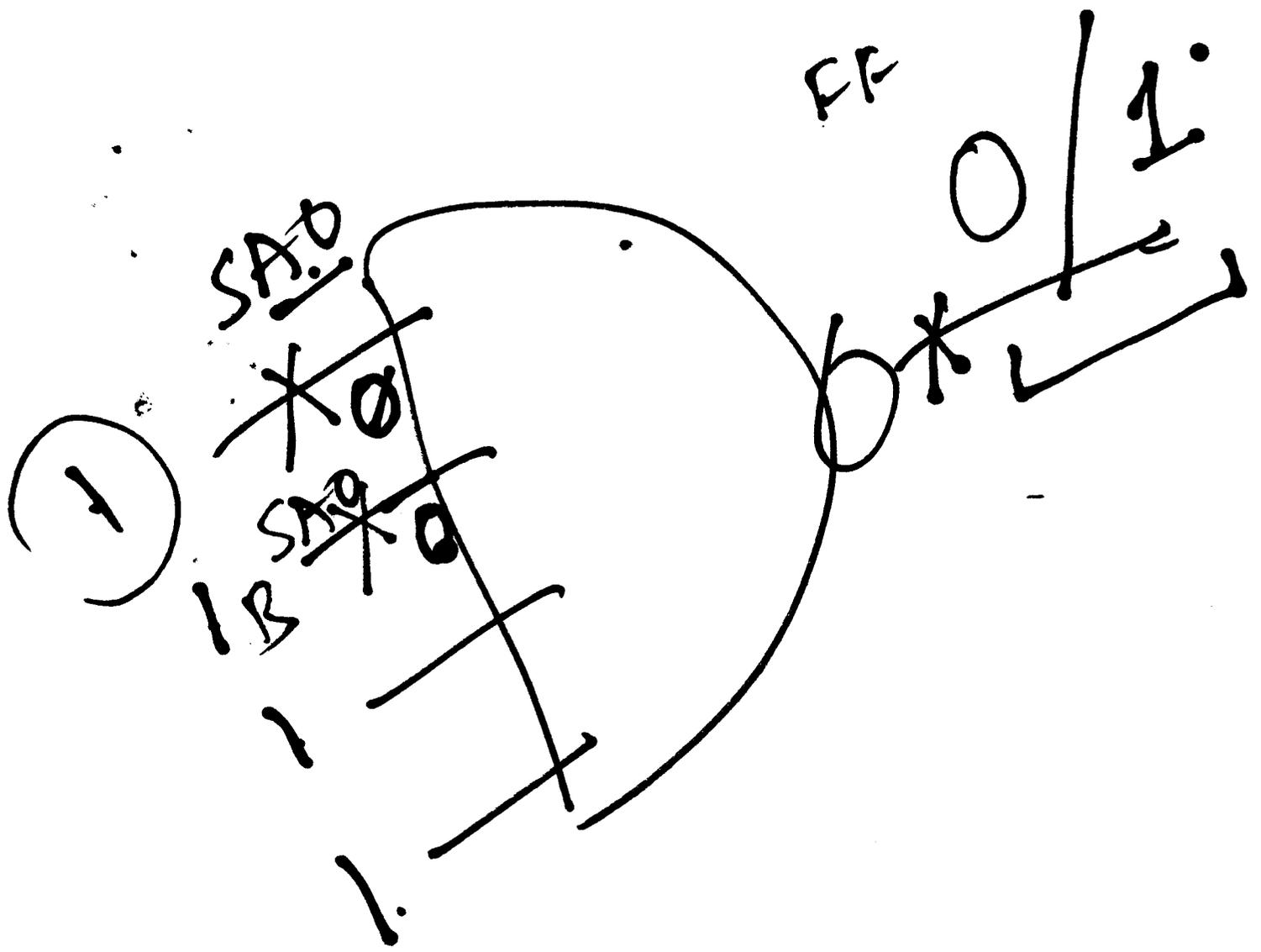
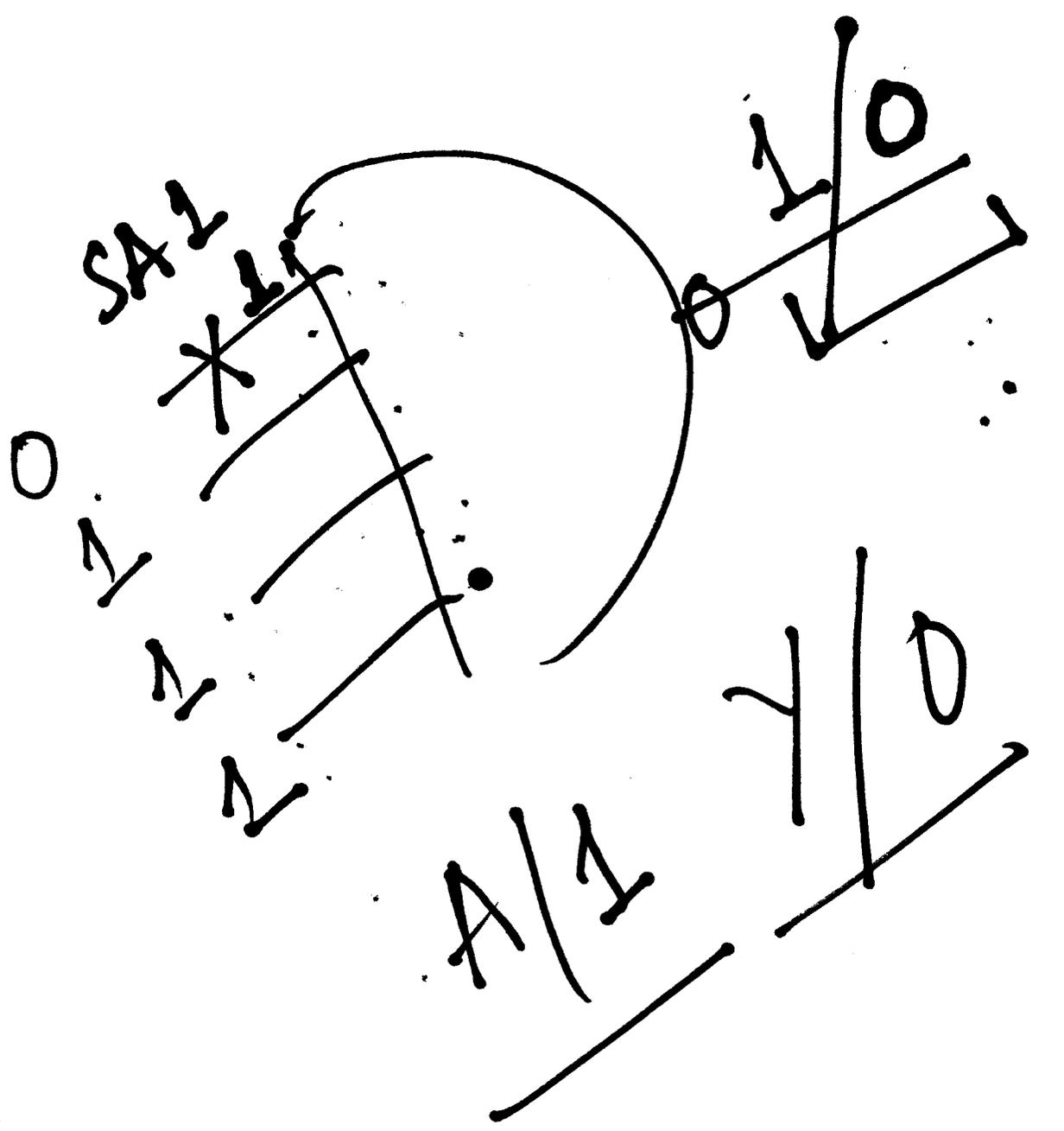


Prof. U.K. Singh  
LEC-03

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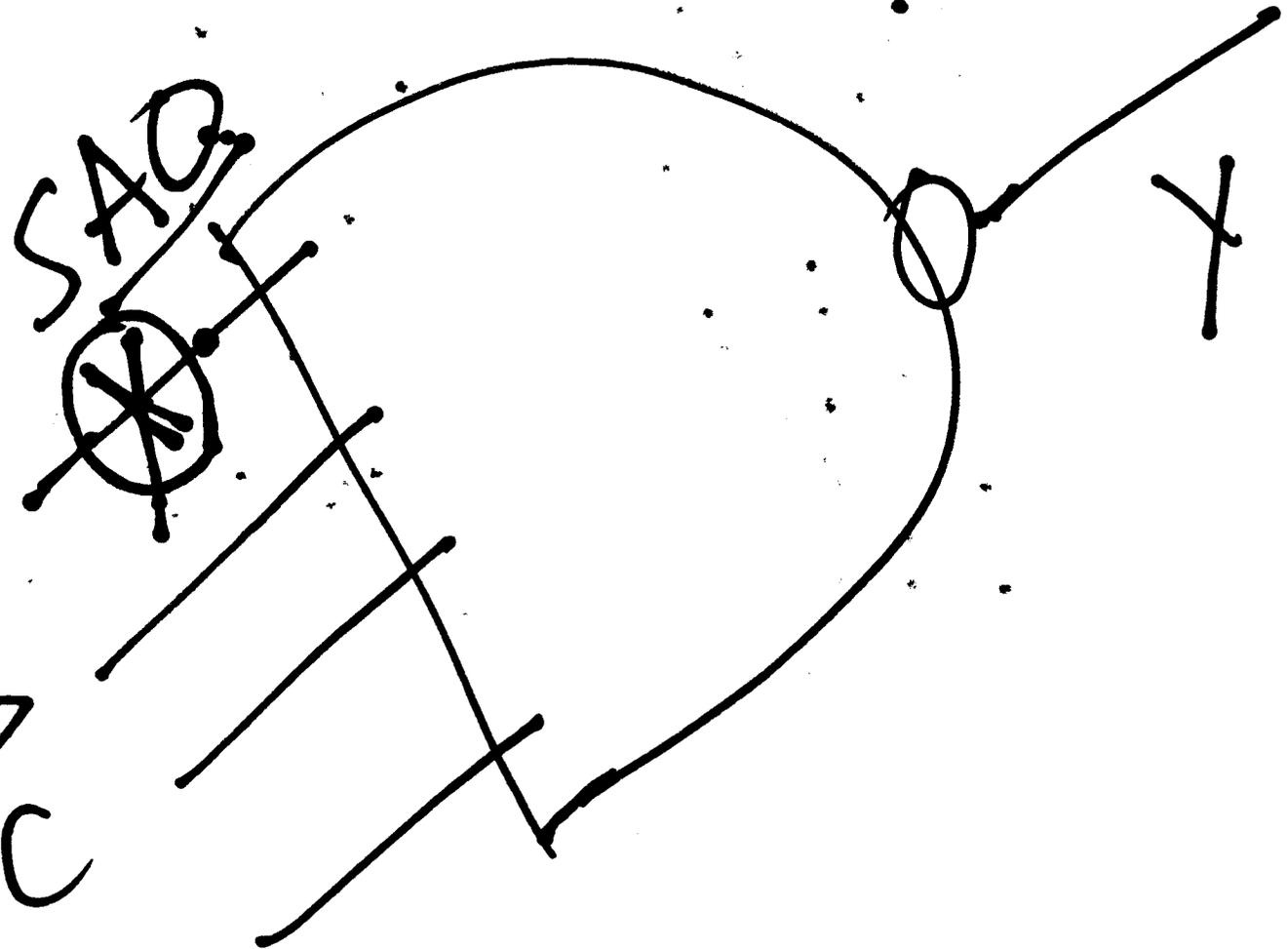
lines

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D

S  
A  
O



$\dots x_i$  SAI

$$\lambda \cdot \frac{df}{dx_i} = 1$$

$$\lambda_i = 0$$

$$\frac{df}{dx_i} = 1$$

$x_i$  SAO

$x_i = 1$

~~$\frac{\partial f}{\partial x_i} = 2$~~

$x_i \frac{\partial f}{\partial x_i} = 1$

$$FC = \frac{\# \text{ Detectable Faults}}{\# \text{ Faults}}$$

# Faults

$$\frac{990 \times 100}{1000} = 99\%$$

$$FE = \frac{\# \text{ Detectable Fault}}{\# \text{ Faults} - \# \text{ Redundant}}$$
$$\frac{990}{1000 - 10}$$
$$= \underline{100\%}$$