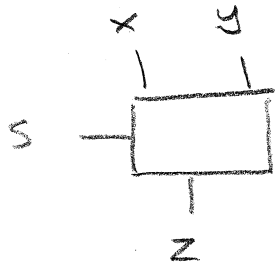


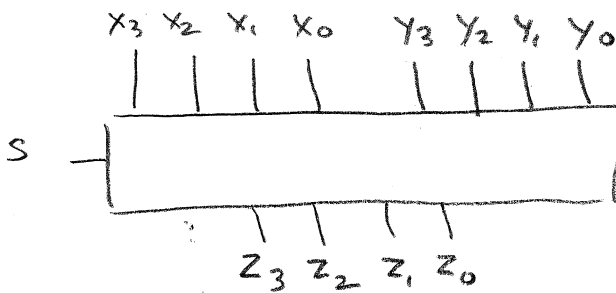
Selector (1-bit)



$$z = \begin{cases} x & \text{if } s = 0 \\ y & \text{if } s = 1 \end{cases}$$

$$z = s' \cdot x + s \cdot y$$

Selector (4-bit)



$$z_i = \begin{cases} x_i & \text{if } s = 0 \\ y_i & \text{if } s = 1 \end{cases}$$

$$z_i = s' \cdot x_i + s \cdot y_i$$

for $i = 0, 1, 2, 3$

Memory Read with Selectors

