





Transfer with Multiplexer

The if-then else control structure, when applied to identity micro-ops, results in the destination register requiring selective access to two different source registers.

If $(K_1=1)$ **then** $R0 \leftarrow R1$
else if $(K_2=1)$ **then** $R0 \leftarrow R2$

$K_1: R0 \leftarrow R1, \overline{K_1} K_2: R0 \leftarrow R2$

