

ChipName: Mux8Way16

Inputs: $a[16], b[16], \dots, g[16], h[16], \text{sel}[3]$

Outputs: $\text{out}[16]$

Function: $\text{out} = a$ if $\text{sel} = 000$

b if $\text{sel} = 001$

\dots
 h if $\text{sel} = 111$

