4-input switch
SW1
SW3
SW2
SW4
inputs
outputs
"00"
"01"
"10"
"11"

(a)

8-input switch
SW1
SW2
SW3
SW4
4-input switch
(details shown above)
4-input switch
(details shown above)
inputs
outputs
"000"
"001"
"010"
"011"
"100"
"101"
"110"
"111"

(b)