NAME: Honor Code: KEY

Realize

 $F(a,b,c,d,e) = \geq m(0,1,2,19,29,30)$ 

using a 16-1 MUX with the control inputs a, b, c & d.

! [= e'b'c'd'e' | a'b'c'd'e + a'b'c'de' + ab'c'de + abcde + abcde'

= 
$$a'b'c'd'(1) + a'b'c'd(e') +$$
  
 $ab'c'd(e) + abcd'(e) + abcd(e')$   
 $+ ab'c'd'(0) + \cdots$  (0)

