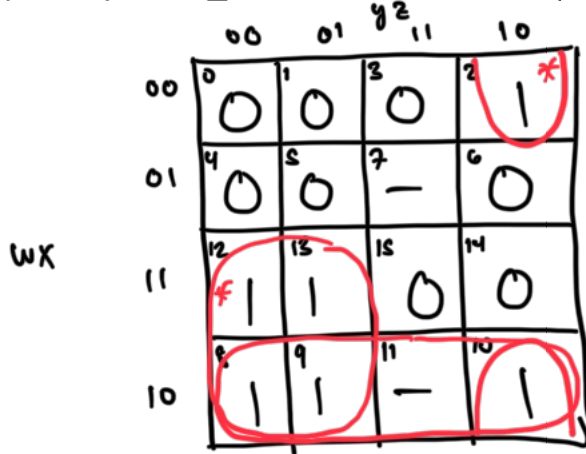


Class Exercise—Incomplete and 5-variable K-Maps

10/1/26

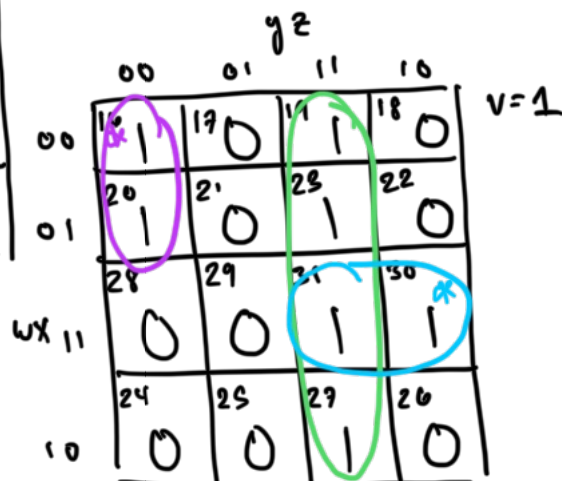
Using K-Maps, determine a minimal sum for each of the following Boolean functions:

1. $f(w, x, y, z) = \sum m(2, 8, 9, 10, 12, 13) + dc(7, 11)$



$wy' + x'yz'$

2. $f(v, w, x, y, z) = \sum m(3, 7, 8, 9, 11, 12, 13, 15, 16, 19, 20, 23, 27, 30, 31)$



$v'wy' + v'w'yz' + yz + vwxz$