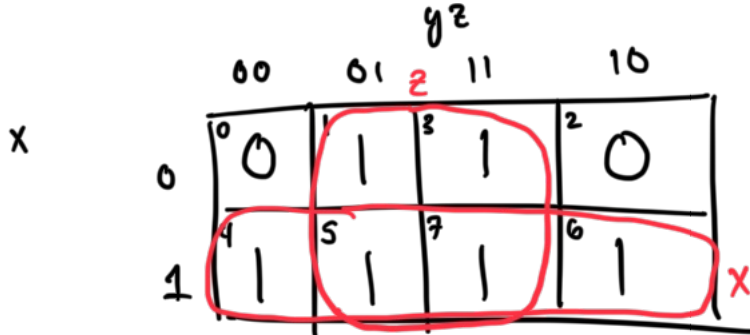


Class Exercise—3,4 variable K-Maps

9/29/26

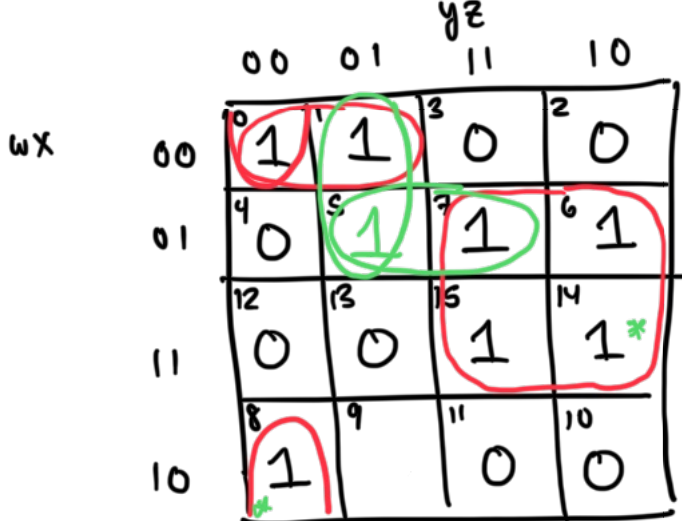
Using K-Maps, determine all the minimal sums for each of the following Boolean functions:

1. $f(x, y, z) = \sum m(1, 3, 4, 5, 6, 7)$



$z + x$

2. $f(w, x, y, z) = \sum m(0, 1, 6, 7, 8, 14, 15)$



$xy + w'x'y' + x'y'z'$

green was added later and corresponds to a different function