

HW 14.1

$$f = A'B' + AC' + B'C + A'BC'$$

	AB	AB'	A'B	A'B'
c		1		1
c'	1	1	1	1

$$f = A + B + C$$

$$c' + AB' + A'B'$$

$$c' + B'$$

HW 14.2 - also see next slide!

$$f = \sum(0, 1, 4, 5, 16, 17, 21, 25, 29)$$

$A'B'C'D'E$ $A'BC'D'E$ $A'B'C'D'E$ $A'B'C'D'E$
 $A'B'C'D'E$ $A'B'C'D'E$ $A'B'C'D'E$ $A'B'C'D'E$

$$f = A + B + C$$

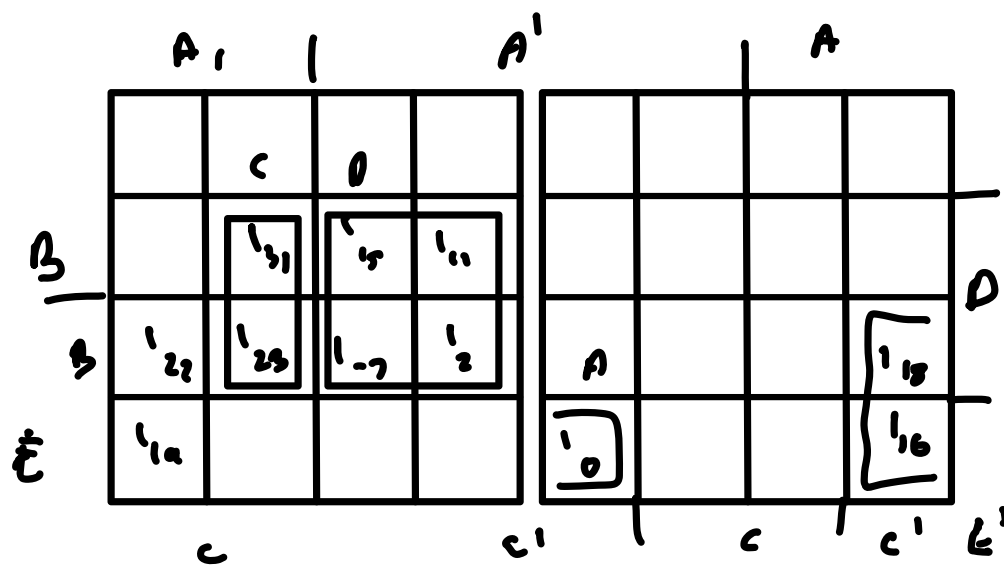
$$AD'E + B'C'D' + A'B'D$$

HW 14.3

$$f = \Sigma (0, 2 - 7, 11, 15, 16, 18, 19, 23, 27, 31)$$

$$f = A + B + C + D$$

$$= B' C' D' E' + A B' C' + A C D E + A' D E$$



HW 14.4

$$f = A'B'CE' + A'B'C'D' + B'D'E' + B'CD' + CDE' + BDE'$$

$$f = A + B + C + D + E$$

$$= A'BCE + BDE' + B'D'E + B'CE' + A'B'C'D'$$

