

A Karnaugh map for a 3-variable function with variables a , b , and c . The map is a 2x4 grid. The columns are labeled with ab values: 00, 01, 11, 10. The rows are labeled with c values: 0 and 1. The cells contain the function values. Two prime implicants are highlighted: a green rectangle covering the cells where $ab=01$ (regardless of c), and a red rectangle covering the cells where $c=1$ (regardless of ab).

	ab			
c	00	01	11	10
0	0	1	0	0
1	1	1	1	1