

$a_2a_1b_2b_1$	$r_4r_3r_2r_1$	$a_2a_1b_2b_1$	$r_4r_3r_2r_1$
0 0 0 1	0 0 0 0	0 1 0 0	1 0 0 0
0 0 0 0	1 0 0 1	1 0 1 -	1 0 0 0
0 0 1 0	0 1 0 1	0 0 0 1	1 0 0 0
0 0 1 1	0 0 0 1	0 1 1 1	1 0 0 0
0 1 0 0	1 0 1 0	0 1 0 1	0 1 0 0
0 1 0 1	0 1 1 0	- 0 1 0	0 1 0 0
0 1 1 0	0 0 1 0	1 - 0 0	0 1 0 0
0 1 1 1	1 0 1 1	1 0 0 -	0 0 1 0
1 0 0 0	0 1 1 1	0 1 - -	0 0 1 0
1 0 0 1	0 0 1 1	- 0 0 1	0 0 0 1
1 0 1 0	1 1 0 0	1 0 0 -	0 0 0 1
1 0 1 1	1 0 0 0	0 - 1 1	0 0 0 1
1 1 0 0	0 1 0 0	0 0 1 -	0 0 0 1

Subtable 1

Subtable 2