x	y	z	$x+y+z$	xy	xz	Interaction of roots
0	0	0	0	0	0	no roots enter input channels
0	0	1	1	0	0	root grows in channel z and exits via channel p
0	1	0	1	0	0	root grows in y and exits into p
0	1	1	1	0	0	root grows in y and enters p, while root in z is reflected into r
1	0	0	1	0	0	root grows in x and exits into p
1	0	1	1	0	1	root grows in x and exits into p and root in z is reflected into r
1	1	0	1	1	0	root grows in x and exits into p and root in y is reflected into q
1	1	1	1	1	1	root grows in x and exits into p, root in y and z are reflected one after the other, i.e. root in y is reflected into q, and root in z is reflected into r