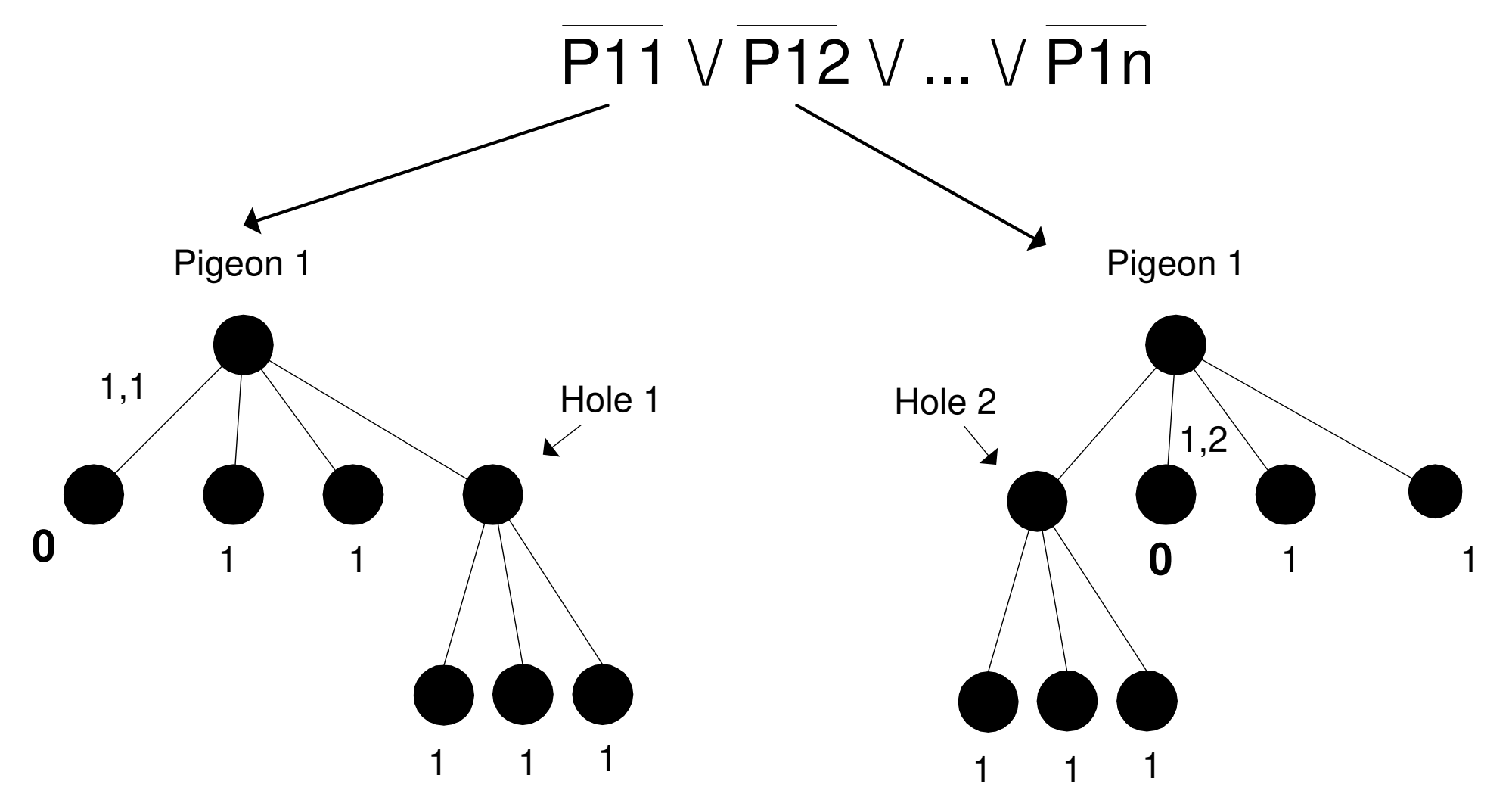
$\overline{P11} \vee \overline{P12} \vee \ldots \vee \overline{P1n}$
Pigeon 1
1,1
Hole 1
0
1
1
1
1
1
Pigeon 1
Hole 2
1,2
0
1
1
1
1
1