

```
for (int r = 1; r <= 8; r += 1)
{
    CHOOSE
        board[r] = 1;
    OR
        board[r] = 2;
    OR
        board[r] = 3;
    OR
        board[r] = 4;
    OR
        board[r] = 5;
    OR
        board[r] = 6;
    OR
        board[r] = 7;
    OR
        board[r] = 8;
    if (! all_ok(r))
        FAIL
}
```