

```
int checkNeighbours(int x, int y) {  
    int neighbours = 0;  
5    for (int dx=-1; dx<=1; dx++) {  
        for (int dy=-1; dy<=1; dy++) {  
10            if (dy==0 && dx==0)  
                continue;  
            if ((x+dx >= 0 && x+dx < cols) && (y+dy >= 0 && y+dy < rows) && (world[x+dx][y+dy]  
15            == 1 || world[x+dx][y+dy] == -1) ) {  
                neighbours++;  
            }  
        }  
    }  
20    return neighbours;  
}
```