| Date | 14/08/2021, 17:47:18 |
|------|--|
| Test | test_write_tents_and_trees |
| | This test creates a PDF with a Table in it. This Table has some emoji in it. |

4 AUSOD 4 PES

You get a grid that represents a campsite. There are a number of trees on the campsite. You as a campsite manager must find a spot for the tent of each visitor that meets the following requirements:

- A tree must be immediately next to each tent (diagonal is not allowed).
- In total there are as many tents as trees. So every tent has its own tree.
- The numbers outside the grid indicate how many tents there are in the relevant row or column.
- Tents never touch each other: neither horizontally nor vertically nor diagonally.
- A tent can make contact with multiple trees, but is only connected to one.

| | 3 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 3 |
|---|---|---------|---|---------|---|---|---------|---------|---------|---------|
| 3 | | | | | | | | | | |
| 1 | * | | | | | | * | | | |
| 1 | | | | | 4 | | | | | |
| 3 | | | | | | | | | | |
| 1 | | | | | * | | | | | * |
| 3 | * | * | | | | * | | | | |
| 2 | | | | | | | | | | |
| 2 | | * | | | | | | | | |
| 0 | | | 4 | | | | | | 4 | |
| 4 | | 4 | | | | | 4 | | | |