

INTERNATIONAL SPACE STATION

To sleep in space, astronauts attach their sleeping bags to a wall. Each astronaut occupies a rectangular area of 1x4 cells, oriented horizontally or vertically, with one of the cells on the ends of this rectangle (inclusive) being a head. (The whole 1x4 rectangle is referred to as "body".)

However, they can't pick their places completely at random.

1. Two different astronauts' bodies can never occupy adjacent cells.
2. Some cells of the wall are occupied by electrical and life support systems; these cells can not have any part of the body overlapping with it, and they can not have a head in an adjacent cell. Two cells are adjacent if they share a side or a corner.

Place as many astronauts as you can on this 8x8 wall.

