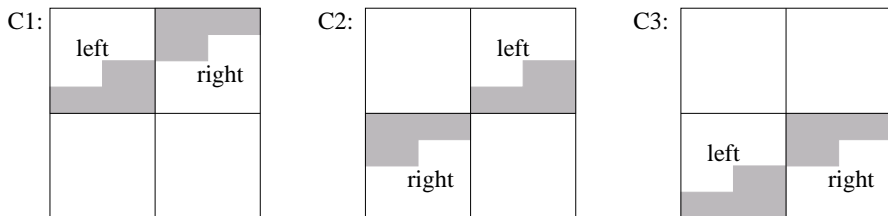


| scen. | left compl. | right compl. | partitions | comment |
|-------|-------------------------|--------------|------------|---|
| A | empty | empty | 2 | parts 2 and 3 touch |
| | left or right not empty | | 1 | parts 2 and 3 connected by last cell of left or first cell of right completion part |
| B1 | * | non-empty | 1 or 2 | left connected to part 2; right not necessarily connected to left completion |
| | * | empty | 1 | left connected to part 2 |
| B2 | non-empty | * | 1 or 2 | right connected to part 3; left not necessarily connected to right completion |
| | empty | * | 1 | right connected to part 3 |



| scen. | left compl. | right compl. | partitions | comment |
|-------|-------------|--------------|------------|--|
| C1 | non-empty | non-empty | 1 or 2 | left not necessarily connected to right completion |
| C2 | non-empty | non-empty | 2 | parts 2 and 3 touch or disconnected |
| C3 | non-empty | non-empty | 1 or 2 | left not necessarily connected to right completion |

Fig. 11.4 Possible connectedness scenarios of partitions defined via Morton order. ‘*’ marks a “don’t care” case (empty or non-empty). The C-scenarios only apply, if both parts are non-empty. Otherwise, we would consider the situation in the non-empty subsquare.