Grid Checklist For Unit Test Completion

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| Position | Output | Pass /Fail |
| 0, 0 | Immediate Neighbours:  1, 0  1, 1  Jumping Upper Left:  Jumping Upper Right:  Jumping Down Left:  2, 0  Jumping Down Right:  2, 2  Jumping Purely Left or Purely Right: | Pass |
| 2, 0 | Immediate Neighbours:  1, 0  2, 1  3, 0  3, 1  Jumping Upper Left:  Jumping Upper Right:  0, 0  Jumping Down Left:  4, 0  Jumping Down Right:  4, 2  Jumping Purely Left or Purely Right:  2, 2 | Fail (Down Right, Down Left) |
| 2, 2 | Immediate Neighbours:  1, 1  2, 1  3, 2  3, 3  Jumping Upper Left:  4, 0  Jumping Upper Right:  Jumping Down Left:  4, 2  Jumping Down Right:  4, 4  Jumping Purely Left or Purely Right:  2, 0 | Fail (Down Right, Down Left) |
| 3, 0 | Immediate Neighbours:  2, 0  3, 1  Jumping Upper Left:  Jumping Upper Right:  1, 0  Jumping Down Left:  5, 4  Jumping Down Right:  5, 6  Jumping Purely Left or Purely Right:  3, 2 | Fail (Down Left, Down Right) |
| 4,0 | Immediate Neighbours:  4, 1  5, 0  Jumping Upper Left:  Jumping Upper Right:  Jumping Down Left:  Jumping Down Right:  6, 0  Jumping Purely Left or Purely Right:  4, 2 | Pass |
| 4,4 | Immediate Neighbours:  3, 0  4, 3  4, 5  5, 3  5, 4  Jumping Upper Left:  Jumping Upper Right:  2, 0  Jumping Down Left:  6, 2  Jumping Down Right:  6, 4  Jumping Purely Left or Purely Right:  4, 2  4, 6 | Pass |
| 4, 8 | Immediate Neighbours:  3, 3  4, 7  4, 9  5, 7  5, 8  Jumping Upper Left:  2, 2  Jumping Upper Right:  Jumping Down Left:  6, 6  Jumping Down Right:  6, 8  Jumping Purely Left or Purely Right:  4, 6  4, 10 | Pass |
| 5,0 | Immediate Neighbours:  4, 0  4, 1  5, 1  6, 0  Jumping Upper Left:  Jumping Upper Right:  Jumping Down Left:  Jumping Down Right:  7, 0  Jumping Purely Left or Purely Right:  5, 2 | Fail (Upper Left, Upper Right) |
| 5,6 | Immediate Neighbours:  4, 6  4, 7  5, 5  5, 7  6, 5  6, 6  Jumping Upper Left:  3, 1  Jumping Upper Right:  3, 3  Jumping Down Left:  7, 4  Jumping Down Right:  7, 6  Jumping Purely Left or Purely Right:  5, 4  5, 8 | Pass |
| 5, 11 | Immediate Neighbours:  4, 11  4, 12  5, 10  6, 10  Jumping Upper Left:  Jumping Upper Right:  Jumping Down Left:  7, 9  Jumping Down Right:  Jumping Purely Left or Purely Right:  5, 9 | Pass |
| 6, 0 | Immediate Neighbours:  5, 0  5, 1  6, 1  7, 0  Jumping Upper Left:  4, 0  Jumping Upper Right:  4, 2  Jumping Down Left:  Jumping Down Right:  8, 0  Jumping Purely Left or Purely Right:  6, 2 | Pass |
| 6, 5 | Immediate Neighbours:  5, 5  5, 6  6, 4  6, 6  7, 4  7, 5  Jumping Upper Left:  4, 5  Jumping Upper Right:  4, 7  Jumping Down Left:  8, 3  Jumping Down Right:  8, 5  Jumping Purely Left or Purely Right:  6, 3  6, 7 | Pass |
| 7, 0 | Immediate Neighbours:  6, 0  6, 1  7, 1  8, 0  Jumping Upper Left:  5, 0  Jumping Upper Right:  5, 2  Jumping Down Left:  Jumping Down Right:  9, 0  Jumping Purely Left or Purely Right:  7, 2 | Fail (Down Right) |
| 7,5 | Immediate Neighbours:  6, 5  6, 6  7, 4  7, 6  8, 4  8, 5  Jumping Upper Left:  5, 5  Jumping Upper Right:  5, 7  Jumping Down Left:  9, 3  Jumping Down Right:  9, 5  Jumping Purely Left or Purely Right:  7, 3  7, 7 | Fail (Down Left, Down Right) |
| 8,0 | Immediate Neighbours:  7, 0  7, 1  8, 1  9, 0  9, 1  Jumping Upper Left:  6, 0  Jumping Upper Right:  6, 2  Jumping Down Left:  10, 0  Jumping Down Right:  10, 2  Jumping Purely Left or Purely Right:  8, 2 | Pass |
| 8, 4 | Immediate Neighbours:  7, 4  7, 5  8, 3  8, 5  9, 4  9, 5  Jumping Upper Left:  6, 4  Jumping Upper Right:  6, 6  Jumping Down Left:  10, 4  Jumping Down Right:  10, 6  Jumping Purely Left or Purely Right:  8, 2  8, 6 | Pass |
| 9, 0 | Immediate Neighbours:  8, 0  9, 1  10, 0  10, 1  Jumping Upper Left:  Jumping Upper Right:  7, 0  Jumping Down Left:  11, 0  Jumping Down Right:  11, 2  Jumping Purely Left or Purely Right:  9, 2 | Fail (Upper Right) |
| 9, 5 | Immediate Neighbours:  8, 4  8, 5  9, 4  9, 6  10, 5  10, 6  Jumping Upper Left:  11, 3  Jumping Upper Right:  7, 5  Jumping Down Left:  11, 5  Jumping Down Right:  11, 7  Jumping Purely Left or Purely Right:  9, 3  9, 7 | Fail (Upper Left, Upper Right) |
| 10, 5 | Immediate Neighbours:  9, 4  9, 5  10, 4  10, 6  11, 5  11, 6  Jumping Upper Left:  12, 3  Jumping Upper Right:  8, 5  Jumping Down Left:  12, 5  Jumping Down Right:  12, 7  Jumping Purely Left or Purely Right:  10, 3  10, 7 | Fail (Upper Left) |
| 11, 0 | Immediate Neighbours:  10, 0  11, 1  12, 0  12, 1  Jumping Upper Left:  Jumping Upper Right:  9, 0  Jumping Down Left:  Jumping Down Right:  Jumping Purely Left or Purely Right:  11, 2 | Pass |
| 11, 5 | Immediate Neighbours:  10, 4  10, 5  11, 4  11, 6  12, 5  12, 6  Jumping Upper Left:  13, 3  Jumping Upper Right:  9, 5  Jumping Down Left:  13, 0  Jumping Down Right:  13, 2  Jumping Purely Left or Purely Right:  11, 3  11, 7 | Fail (Upper Left) |
| 12, 0 | Immediate Neighbours:  11, 0  12, 1  Jumping Upper Left:  Jumping Upper Right:  10, 0  Jumping Down Left:  Jumping Down Right:  Jumping Purely Left or Purely Right:  12, 2 | Pass |
| 12, 4 | Immediate Neighbours:  11, 3  11, 4  12, 3  12, 5  11, 0  Jumping Upper Left:  14, 2  Jumping Upper Right:  10, 4  Jumping Down Left:  Jumping Down Right:  14, 0  Jumping Purely Left or Purely Right:  12, 2  12, 6 | Fail (Immediate Neighbours, Upper Left) |
| 12, 6 | Immediate Neighbours:  11, 5  11, 6  12, 5  12, 7  11, 1  11, 2  Jumping Upper Left:  Jumping Upper Right:  10, 6  Jumping Down Left:  14, 0  Jumping Down Right:  14, 2  Jumping Purely Left or Purely Right:  12, 4  12, 8 | Fail (Immediate Neighbors, Upper Left) |
| 13, 0 | Immediate Neighbours:  12, 5  12, 6  13, 1  14, 0  Jumping Upper Left:  11, 3  Jumping Upper Right:  11, 6  Jumping Down Left:  Jumping Down Right:  15, 0  Jumping Purely Left or Purely Right:  13, 2 | Fail (Immediate Neighbors, Upper Right) |
| 13, 3 | Immediate Neighbours:  12, 8  12, 9  13, 2  14, 2  Jumping Upper Left:  11, 6  Jumping Upper Right:  11, 9  Jumping Down Left:  15, 1  Jumping Down Right:  Jumping Purely Left or Purely Right:  13, 1 | Fail (Immediate Neighbors, Upper Right |
| 14, 1 | Immediate Neighbours:  13, 1  13, 2  14, 0  14, 2  15, 0  15, 1  Jumping Upper Left:  12, 5  Jumping Upper Right:  12, 7  Jumping Down Left:  Jumping Down Right:  Jumping Purely Left or Purely Right: | Pass |
| 15, 0 | Immediate Neighbours:  14, 0  14, 1  15, 1  16, 0  Jumping Upper Left:  13, 0  Jumping Upper Right:  13, 2  Jumping Down Left:  Jumping Down Right:  Jumping Purely Left or Purely Right: | Pass |
| 15, 1 | Immediate Neighbours:  14, 1  14, 2  15, 0  16, 0  Jumping Upper Left:  13, 1  Jumping Upper Right:  13, 3  Jumping Down Left:  Jumping Down Right:  Jumping Purely Left or Purely Right: | Pass |
| 16, 0 | Immediate Neighbours:  15, 0  15, 1  Jumping Upper Left:  14, 0  Jumping Upper Right:  14, 2  Jumping Down Left:  Jumping Down Right:  Jumping Purely Left or Purely Right: | Pass |
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