Givens:

* The matrix has a ratio of 2x1. The total amount of positions is the amount of objects times 12 (object size is 6)
* Object connections

Setup variables:

(row, column, object/link)

Rules:

1. Two objects can never coincide
2. An object an a link can never coincide
3. Two links can coincide but at a penalty
4. All object connections must be made
5. Object connections are vertical, horizontal (or diagonal)
6. Objects have a minimum size of 2x3
7. There must be a minimum distance of 2 positions between objects