Let a "blob" be a path composed of quarter circular arcs, and a blob-configuration be a placement of blobs on an $n \times m$ grid such that no part of a blob is inside another blob.
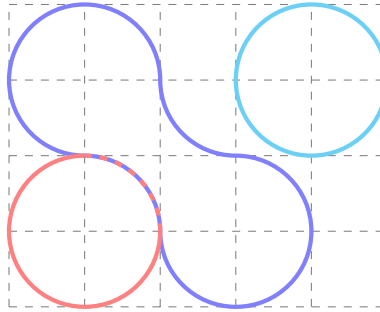

Figure 1: An example of a blob-configuration

Question. How many such blob-configurations exist on the $n \times m$ grid?

Related.

1. What if instead of quarter circles, boxes were made with diagonal line segments?