## Preparing the maps



Keep the original form in stead. So not to distort area of regions.

# Trying different grid sizes 



Slightly different rule: areas that occupy less than sqrarea ${ }^{*}(1 /$ I\# of areas) don't count. $\rightarrow$ so there
two areas and one of them takes up $2 / 3$ /rds of the square, only that area counts.
$10 \times 10$


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## $\begin{array}{lllllllllll}1 & 1 & 2 & 1 & 2 & 3 & 3 & 3 & 3 & 1 & 3\end{array}$

 $\begin{array}{lllllllllllllll}1 & 2 & 1 & 2 & 3 & 4 & 3 & 2 & 3 & 3 & 4 & 5 & 5 & 1 & 2\end{array}$ $\begin{array}{lllllllllllllllllll}1 & 1 & 3 & 2 & 3 & 4 & 3 & 4 & 2 & 3 & 4 & 4 & 2 & 3 & 2\end{array}$

 | 2 | 2 | 2 | 2 | 3 | 3 | 2 | 3 | 5 | 2 | 4 | 4 | 6 | 1 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

 $\begin{array}{lllllllllllll}1 & 1 & 2 & 2 & 2 & 2 & 3 & 2 & 3 & 3 & 2 & 2 & 1\end{array}$ $\begin{array}{lllllllllllll}1 & 1 & 2 & 2 & 2 & 2 & 3 & 3 & 1 & 4 & 1 & 3\end{array}$

 | 2 | 2 | 2 | 2 | 2 | 1 |
| :--- | :--- | :--- | :--- | :--- | :--- |
| 2 | 1 | 2 | 2 | 2 |  |

| 2 | 3 | 2 | 2 | 2 | 1 |
| :--- | :--- | :--- | :--- | :--- | :--- |
|  | 1 | 1 | 2 |  |  |




This has
max
4 areas per
square
Some value
1 s in the middle of the map too



shifted 3 squares to the left


Mirrored

Rotate by 45 degrees to the left


Even number of places (10)



Original Map


Training data


Training data
 (29017?



## 






Task 6 : Ajijecency
Deternine exisence of h hops
Hop at the middle


No hop


