## 2007 MCM Problems

Militale Militale 3

Malitude State 3

Mylithe State of

Modified the state of the state

Matitute Mark 18 18

Matitud Mar ht ' 18 1982

Marithte Mark if the

Maritute Mar 14 13 1980

Militale Wit W. C.

Milital State 3

Mikitille 素素 \*\*

Maiting # 4 '3

Mariture the the tree like

Militate the the light of the

Maritute Mar # 13 1980

\*\*\*\*\*

1

Militale With 184 3

Maithte Mark ' 18 18

mytitute star pt 13 1982

Maritute Mar # '35 PR

Maritan And At 13 1982

Maritute Mar At 15 1980

\*\*\*\*\*

PROBLEM A: Gerrymandering

to the state's population relative to that of the country as a whole. While this provides a way of determining how many representatives each state will have. it save notices district represented by a notice. The United States Constitution provides that the House of Representatives shall be composed of determining how many representatives each state will have, it says nothing about how the district represented by a particular representative shall be determined asset oversight has late. oversight has led to egregious (at least some people think so, usually not the incumbent) district shapes that look "unnatural" by some standards.

Mylithe # 13 Hence the following question: Suppose you were given the opportunity to draw congressional districts for a state. How would you do so as a purely "baseline" exercise to create the "simplest" shapes for all the districts in a state? The rules include only that each district in the state must contain the same population. The definition of "simple" is up to you; but you need to make a convincing argument to voters in the state that your solution is fair. As an mytime ## # 18 1980 application of your method, draw geographically simple congressional districts for the state of Milital Mark New York.

modified the state of the state

Marithus Mar 44 1/4 1/80

Mainth the the table of table of

Maritute And At 15 PR

1. 4. 4. 6 %

Matinta Mar ph 13 1982

Maritute Mar # 13 192

Misitate And At 18 1980

Mainte the the top of the state of the state

Mariture was the 12 th 180

Matinta 新春 华 溪 序》

Maritan And Art is 1980

Misitate And At 15 1980

1. 地址资料