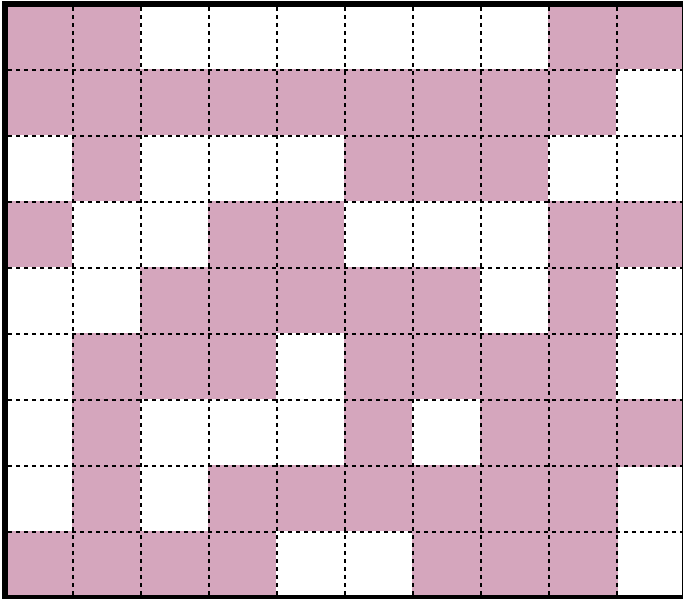


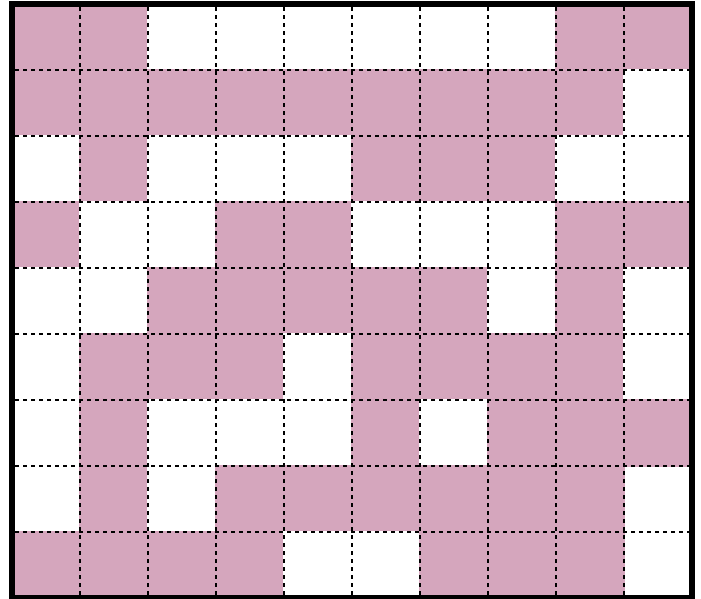
Gerrymandering in Squaretopia

Squaretopia consists of 90 blocks: 36 vote for the "white" party and 54 vote for the "gray" party.



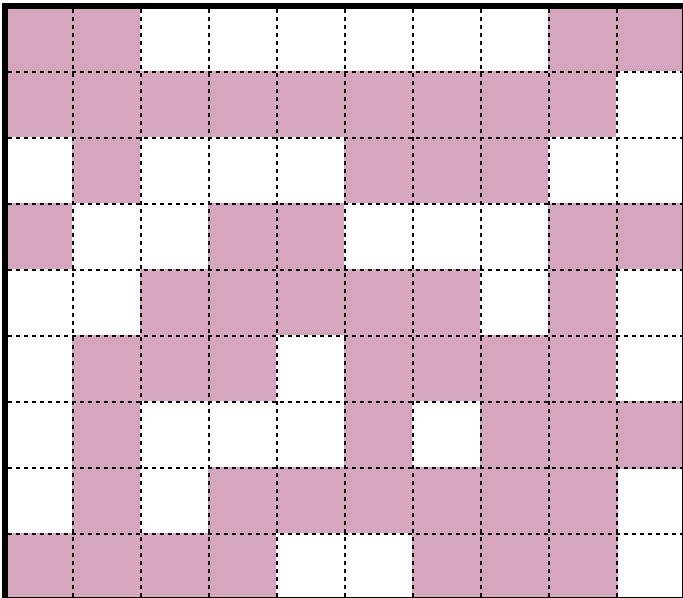
Challenge #1: Compactness.

Divide Squaretopia into 10 equal districts that are as "compact" as possible. How many districts does Gray win?



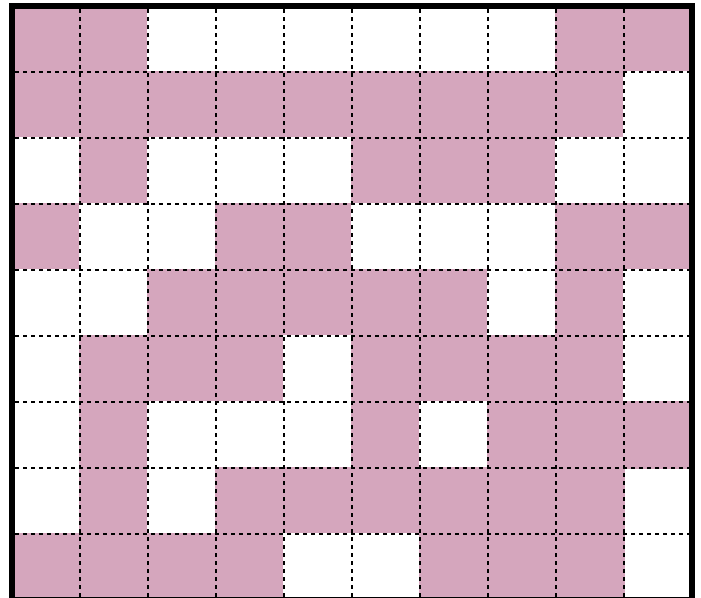
Challenge #2: Proportionality

Divide Squaretopia into 10 equal districts so that Gray's seat share is proportional to its overall vote share. Try to keep your districts as "compact" as you can.



Challenge #3: Gerrymander for Gray

Divide Squaretopia into 10 equal districts so that Gray wins as many districts as possible. Try to keep your districts as compact as you can. How many districts does Gray win?



Challenge #4: Gerrymander for White

Divide Squaretopia into 10 equal districts so that Gray wins as **few** districts as possible. Try to keep your districts as compact as you can. How many districts does Gray win?