

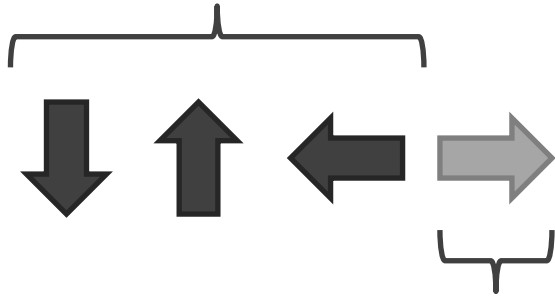
# How to beat 2048

Join the numbers and get to the 2048 tile!



# Strategies

Sequence of moves

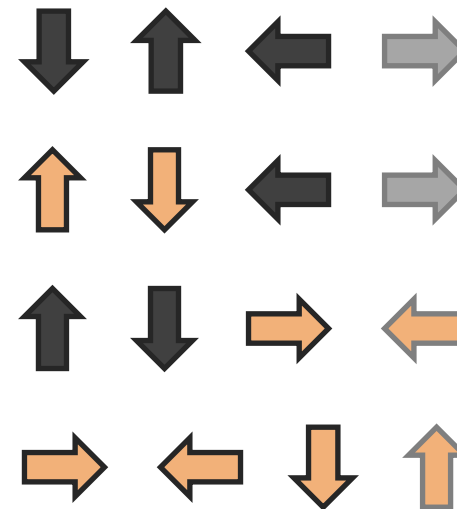
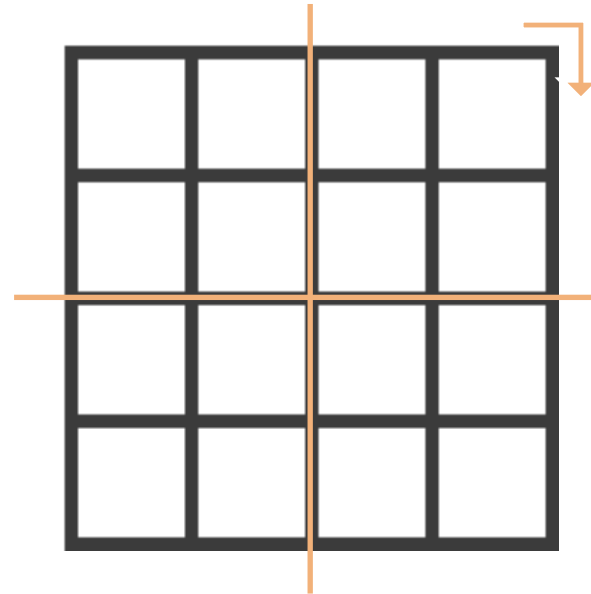


What to do when you get stuck

Max. sequence: 6

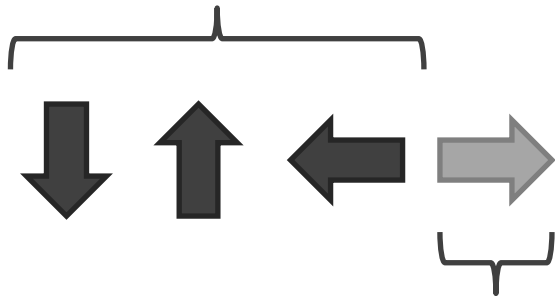
Min. games: 100

Number of possible  
Strategies: unknown



# Strategies

Sequence of moves

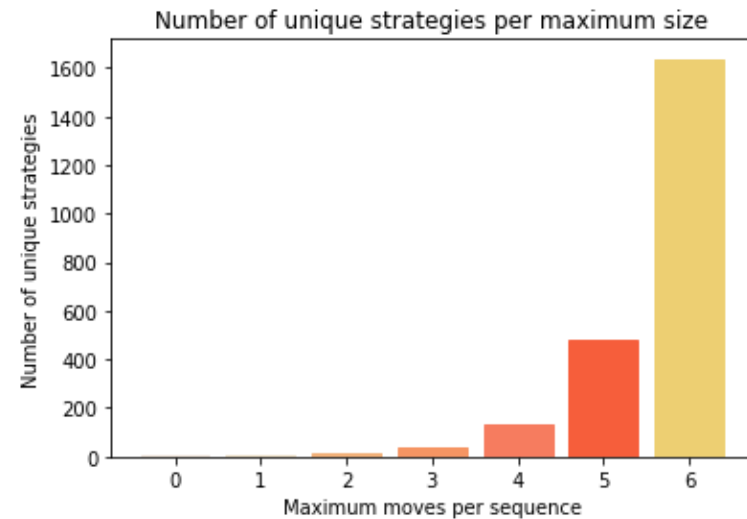
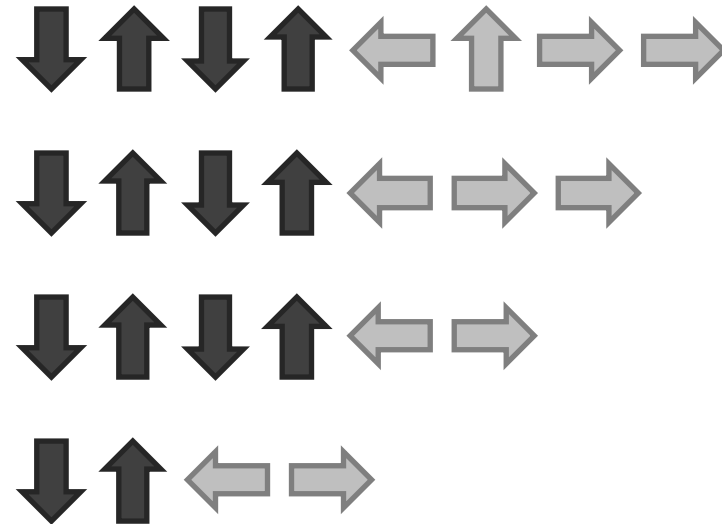


What to do when you get stuck

Max. sequence: 6

Min. games: 100

Number of possible  
Strategies: 1603

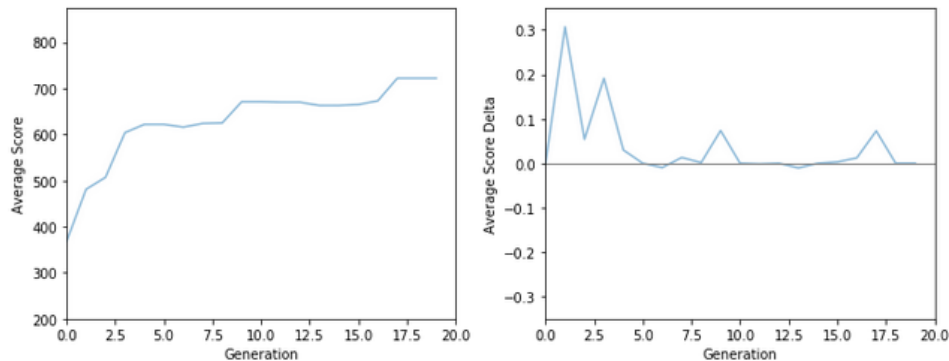


# Make it fast

Add random sequences until we have  $n$  strategies

Run these strategies for a small number of games

Order them by **score** and keep top strategies



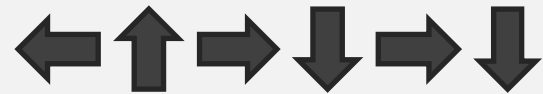
Runs: 10 Avg. Score: 175



Runs: 10 Avg. Score: 250



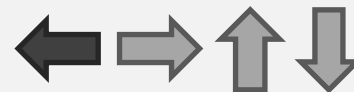
Runs: 0 Avg. Score: 0



Runs: 0 Avg. Score: 0

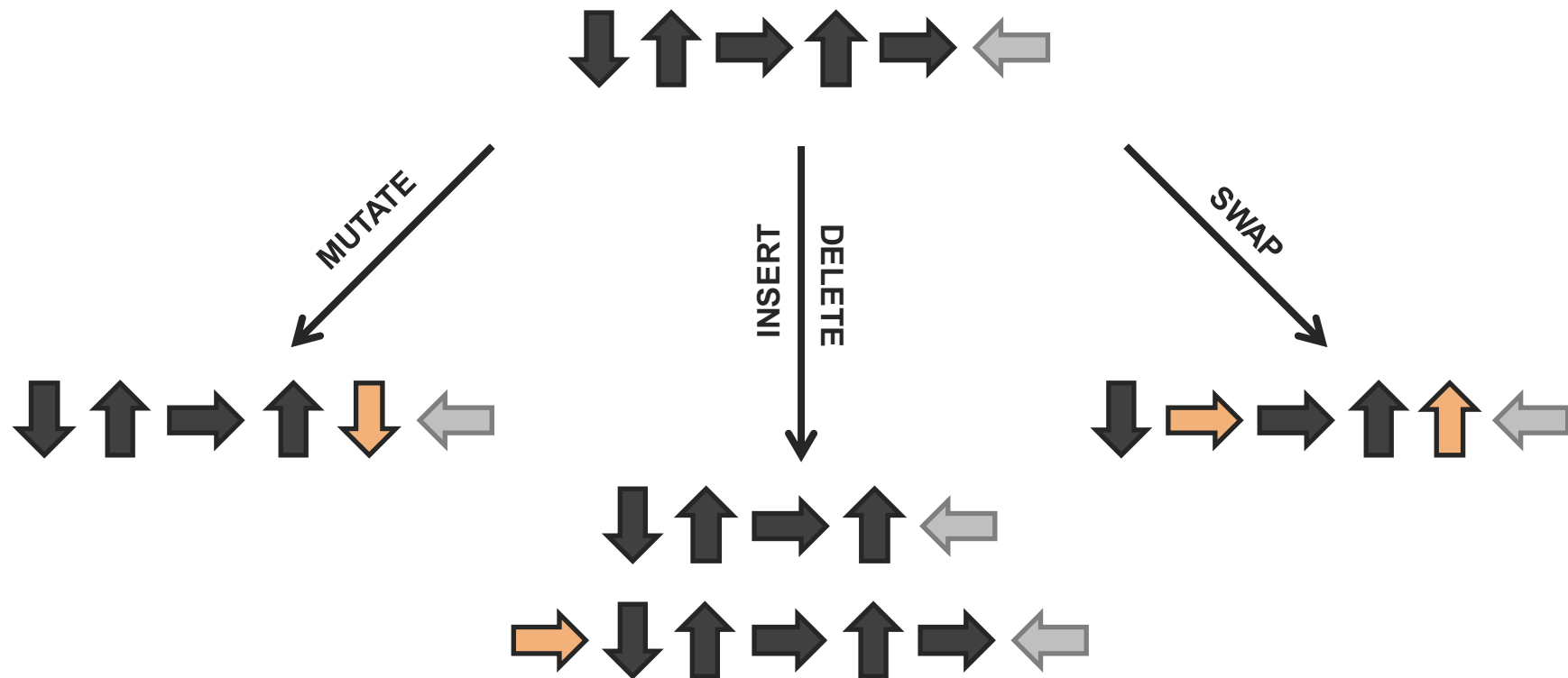


Runs: 0 Avg. Score: 0

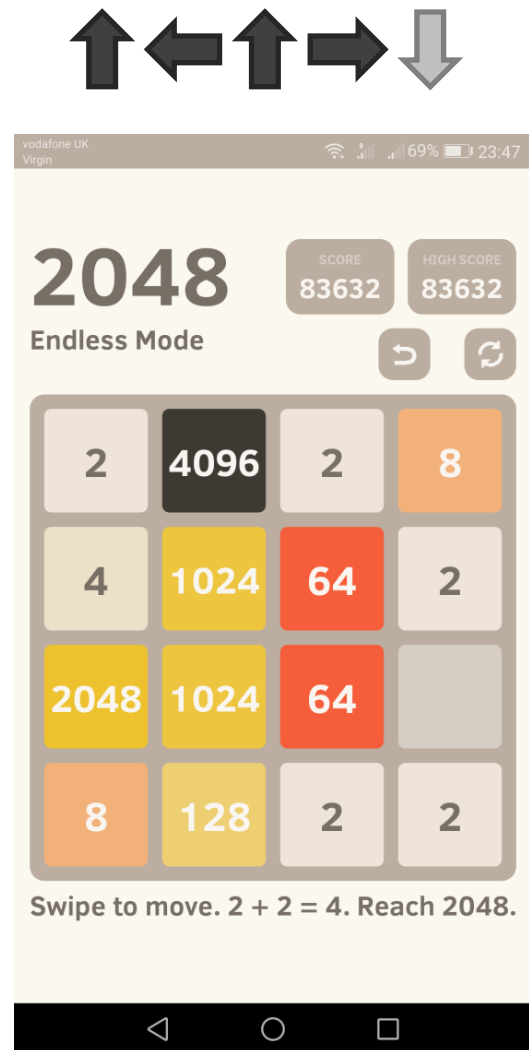
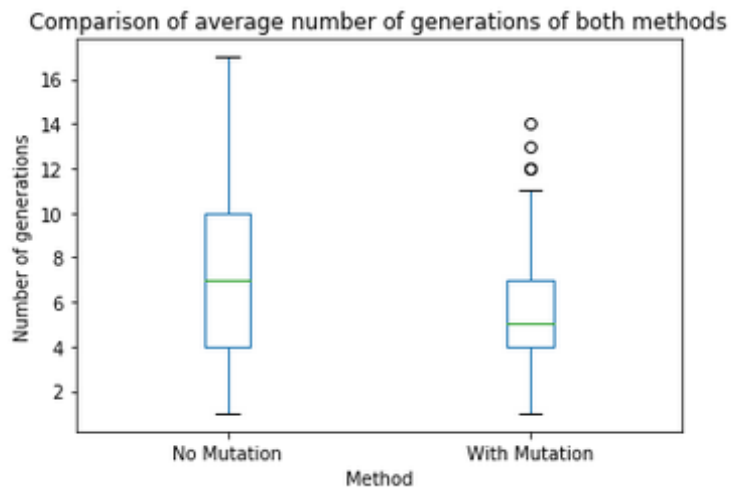
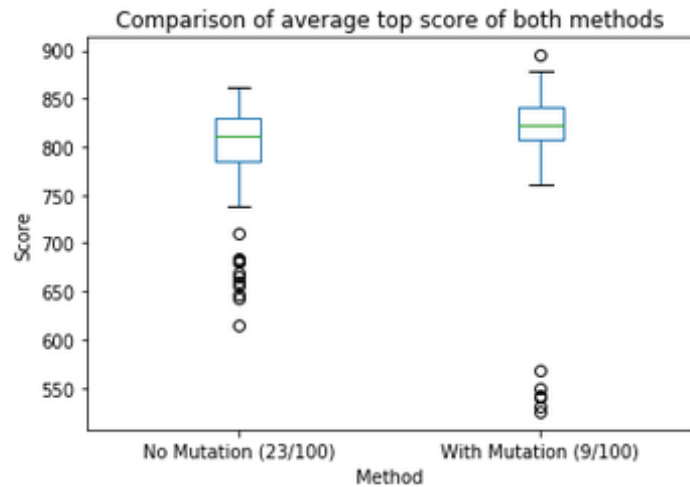


# Make it faster

Instead of generating new random sequences, let's create mutants of the top strategies by:



# OK, that is enough



# Thank you!

In case you want to try it:

<https://github.com/TMMV/howtobeat2048/>

In case you want to talk about it:

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And you can also find me at [@TVieira](#)