Week_03_seating

##Continue to study the provided seating code to make sure you understand it.
##Design an algorithm that would seat people more equitably.
###Write up a description of your algorithm and save it as week_03_seating/seating.pdf. Make sure this description states how it should improve equity and also how it might affect other concerns.

Economy plus & economy "regular"
- Reward people who plan far enough in advance by allowing picking seats
- People who fall within a certain window will be randomly assigned to seats from the front back
- If people need to be seated in groups prioritize
  - Far enough planning
  - Groups seated in either 1 row or in a square (1 seat radius)
    - Group seating prioritized over if they're aisle or window (at no cost, as long as it's possible with 1 move)
  - If someone needs to be moved to achieve family grouping, move to a preferable seat up front or aisle seat. Could allow to board first

Economy only
- Award good behavior by placing people closer to the front/ aisles if window not available
- Prioritize group seating with 1 seat radius
- If group seating requires movement of a different person, move them to a slightly better seat if possible. If not possible, give them different awards such as priority boarding of an extra bag

The goal of this plan is to allow certain people to pick their seats and award good behavior and proper forethought by allowing them to pick their desired seat. Additionally, it prioritizes families so that they could be near each other. Preferably they'd be in a row but if not, within a 1 seat radius. Additionally, I attempt to ameliorate people who may have gotten the short end of the stick by giving different privileges such as priority boarding or extra baggage next time. I'm trying to prioritize thoughtfulness and families.