



This is pretty similar to the flowchart that was already present. I created a new one because I didn't want to edit the existing one and lose the work that was already there. Also I think the one on the right more clearly shows the prioritization of who gets seated, when. And it also ensures that empty seats are bad seats.

(1) We care most about not splitting up groups with kids, so they get seated first. We seat them in the worst seats for now. They might get promoted later. (2) We want solo flyers in better seats than groups, because solo flyers are quieter because they have no one to talk to, and that makes them better neighbors. (3) We want groups without kids to be promoted before groups with kids, because these groups tend to be quieter than families, and that makes them better neighbors. Sorry, but groups with kids are the last people anyone wants to sit next to. But we don't want to just leave them in bad seats if better ones are available. So they are eligible for promotion, but only after everyone else. In this algo. we do sometimes move people around--but only to empty seats. So moving one person never creates a need to move someone else.

