

Alogrithm for seating families together

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In this revised plane seating program, everyone in the mid section of the plane will be saved in two lists. The people seated next to the windows will not be affected. In this solution, we make use of everything provided and did not change any pre-exisitng code. The only changes are correction, like using `get_avail_seats` function instead of the `get_total_seats` function to avoid overbooking. Also number 1 is changed to number 0 in the `fill_plane`'s conditional expression in line 193.

Since we already have a dictionary of unassigned economy passengers, all we need is to collect all the economy plus passengers seated in the mid-section of the plane away from the windows. Once we saved all the information of people in the mid-section of the plane. We can turn the dictionary into a list, and use this list to seat families of three first, then families of two. Finally we seat every single unassigned passengers whether they are economy or economy plus in the remaining seats.