



Problem of the Week

Problem E

Let's All Ride a Bike

Grayson's Groupcycles rents bikes with multiple seats for large groups of people. They rent 7-seater, 13-seater, and 25-seater bikes. A group of 14 people could fit on two 7-seater bikes, however a group of 15 people could not fit exactly on any of the bikes since no combination of bikes have exactly 15 seats.

What is the largest group size that *cannot* fit exactly on any combination of bikes from Grayson's Groupcycles?

