

Problem of the Week

Problem E

Doughnuts!

“Baker’s Dozen Doughnut Shop” doughnuts are sold only in boxes of 7, 13, or 25. To buy 14 doughnuts you must order two boxes of 7, but you cannot buy exactly 15 doughnuts since no combination of boxes contains 15 doughnuts.

What is the maximum number of doughnuts that *cannot* be ordered using combinations of the three different size boxes from “Baker’s Dozen Doughnut Shop”?

