



Problem of the Week

Problem E

Too Little, Too Much

A company produces steel bolts. Each bolt should have a mass of 7.0 g. However, it has been determined that each individual bolt may be heavier or lighter by as much as 2.14%.

A box contains a number of these bolts and the total mass of the bolts in the box is exactly 1 kg.

Determine the maximum and minimum number of bolts that could be in the box.

