

Bottled-Up Feelings

Peter is expecting a large shipment of fuel oil, but he has a small problem (doesn't everyone in these programming problems!). The only containers he has are a set of large bottles (each with the same volume) and a set of smaller bottles (also each with the same, but smaller volume). Given the volume of the shipment of oil, he would like to store the oil in the bottles so that enumerate

a ll of the oil is stored,

e ach bottle is filled to the top, and

t he minimum number of bottles is used.