

## 2b. Arranging Bowls

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### Introduction

The zoo recently received additional funding and used the funds to expand tremendously. The zoo now owns many more animal cages. All the animals still need to be fed optimally by placing larger bowls in the large cages and smaller bowls in the smaller cages. However, it will be a more challenging task in determining the minimum amount of zoo workers required to sort the bowls on the conveyor belt.

### Task

Your task remains exactly the same. The input and output format also remains unchanged.

### Constraints

It is guaranteed that in the input used to test your program:

- $1 \leq T \leq 20$
- $1 \leq N \leq 100\,000$

### Time limit

2 seconds