Sayed and the Machines - Easy Verison

Input file:	`standard input`
Output file:	`standard output`
Time limit:	1 second
Memory limit:	256 megabytes

Sayed has a distributed system that consists of multiple machines. Each machine requires a specific amount of RAM, CPU and Disk units in order to run. So for example, Sayed knows that a single machine might need 5 units of RAM (let's call that R), 2 units of CPU (let's call that C) and 1 unit of disk space (let's call that D) to run.

The cluster Sayed is working with has a maximum capacity of N_R RAM units, N_C CPU units and N_D disk units.

Help Sayed figure out the maximum number of machines he can run in his cluster.

Input

First line of input contains an integer T ($1 \leq T \leq 30$), representing the number of test cases, then T test cases follow.

The first line of each test case contains 3 integers R, C, D representing the requirements needed by each machine to run for RAM, CPU and Disk units respectively, where ($1 \leq R, C, D \leq 100$).

The second line of each test case contains 3 integers N_R, N_C, N_D representing the maximum capacity for RAM, CPU and Disk units available in the cluster respectively, where ($1 \leq N_R, N_C, N_D \leq 100$).

Output

For each test case, print a single integer representing the maximum number of machines that Sayed can have in his cluster given the requirements.

Example

standard input	standard output
2 2 5 3 11 14 6 6 1 2 25 1 15	2 1

Note

Download the input.txt file and run your code locally, then upload an output.txt file with your answers like in the output section.