# **Bankomat**

As a world-renowned computer scientist, you have received an offer from a start-up Swiss bank to write some software for ATMs. Your program has to check if it is able to withdraw the amount requested by the customer with the available banknotes.

# Input

The first line contains the number D, indicating the number of data sets. Each data set fits on one line and consists of six numbers: a1, a2, a3, a4, a5, k (ai<=1000, k<=10000). Numbers a1..a5 denote the number of 10, 20, 50, 100, 200 Swiss franc banknotes available in the ATM. The number k indicates the desired amount to be deposited.

# **Output**

For each data set, one line should appear in the result containing a single YES or NO word indicating whether the ATM can currently withdraw the requested amount.

## **Example**

### Input:

3 0 2 10 10 1000 110 1 2 10 10 1000 110 199 100 40 20 10 10000

#### **Output:**

NIE

TAK

NIE