

# Basic text manipulation 01

Some documents in telecom domain specifies information in a stupid bad style.

One of those styles, is to write many parameters in a single line.

In this problem you will be given the input in the following format:

TYPE 1:[space?]<A\_NUMBER>[space?], TYPE 2:[space?]<B\_NUMBER>[space?], TYPE 3:[space?]<C\_NUMBER>[space?], TYPE details:[space?]<D\_TEXT>

You will extract the parameters and write them in the following style:

(A\_NUMBER,<B\_NUMBER\_x>,<C\_NUMBER\_x>,'<D\_TEXT>')

## Input

*t*: number of test cases  $1 \leq t \leq 20$

Then comes *t* lines with the following format (bold text is for parameters)

TYPE 1:[space?]<A\_NUMBER>[space?], TYPE 2:[space?]<B\_NUMBER>[space?], TYPE 3:[space?]<C\_NUMBER>[space?], TYPE details:[space?]<D\_TEXT>

<A\_NUMBER>: An Integer between 0 and 100

<B\_NUMBER>: An Integer between 0 and 100 OR empty IF A\_NUMBER IS 0

<C\_NUMBER>: An Integer between 0 and 100 OR empty IF B\_NUMBER IS (0 or empty)

<D\_TEXT>: A string of readable characters, the length of it is between 1 and 20

[space?]: means that there might be a space there.

## Output

*t* lines, each of the following format

(<A\_NUMBER>,<B\_NUMBER\_x>,<C\_NUMBER\_x>,'<D\_TEXT>')

Where **B\_NUMBER\_x**: is **B\_NUMBER** or NULL if **B\_NUMBER** was empty

and **C\_NUMBER\_x**: is **C\_NUMBER** or NULL if **C\_NUMBER** was empty

Note the single quotes around <D\_TEXT>.

## Example

**Input:**

3

TYPE 1: 2, TYPE 2: 0, TYPE 3: , TYPE details: n/a

TYPE 1: 2, TYPE 2: 1, TYPE 3:0 , TYPE details: nothing

TYPE 1: 0, TYPE 2: , TYPE 3: , TYPE details: nice

**Output:**

(2,0,NULL,'n/a')

(2,1,0,'nothing')

(0,NULL,NULL,'nice')