**2. Searching E-mail address**

**Description**

Mr. Park always stores e-mails in an address book file. However, the e-mail address book file was infected with a virus. So strange characters were written to the address book file. Park wants to find a mailing list for students at Seoul National University. Find an email address that has ‘snu.ac.kr’ as a domain from a given infected input.

* The output order is the same as the order in the infected file.
* Strange characters do not attach directly to the email address. It has one or more spaces.
* Email with snu.ac.kr as a domain has the following form:
  + *{user\_id}*@snu.ac.kror*{user\_id}*@*{group}*.snu.ac.kr
  + 1 <= *Length of {user\_id}* <= 12
  + *{user\_id}* consists of digits or alphabetic characters.
  + *Length of {group}* = 3
  + *{group}* consist of only alphabetic characters
  + **Addresses that do not satisfy the above conditions are all strange characters made by the virus.**

**Constraints**

* The number of words*, N* <= 100000
* *Length of word* <= 1000
* There are no duplicate email addresses.
* There are **no capital letters** in this infected file.

**Input**

Contents inside the file (sequence of *N* words).

**Output**

Email addresses that meet the above conditions, following the order of the input file.

**Example1**

|  |
| --- |
| **Input** |
| raowiejvoijawoeirjlvlweoijr weareoiijvoiajfoijewroi ejroiajfaiwejro dajfoijfoiw joijvweiuhfiuhvjxbnckvjn wroiwejoij sd vnxjcnviwdhfhwieoh dnfjksdnfiowuherodskjf dsofhijsdofihsdfh nejwkrnwejhifuhdsf sjkdfhdsiuhisuvhsdnwekrj  erwefoijosdjf program01@mrl.snu.ac.kr rewweroijv erjoiwjoidsj f erowijfoisdjf program02@snu.ac.kr aweorijoifjds wjeroija o dsahfiuha we ewrpo eu 12#\*!$ edjfiowe df nvcxjwejh erjhow vkjdslfj ewrio d v ioj 12 erj 12 e12390 ,.,.,,,.,.,,/./,/.,’;,[]lk rewuhiu f!@&(\*@!$&#(% erhejwfhdsiuh kje program03@snu.ac.kr r ajfoiwejoij vav erwe [pp@naver.com](mailto:pp@naver.com) ejwroiajfoasd [pp1@naver.com](mailto:pp1@naver.com) wejoraiajofijaw eg |
| **Output** |
| program01@mrl.snu.ac.kr  program02@snu.ac.kr  program03@snu.ac.kr |

**Example2**

|  |
| --- |
| **Input** |
| apodivjaioweuniunva@snu.ac.kr pp2017@snu.ac.kr aekbjioa wero eaov !@#&@! pp2019@snu.ac.kr 20171217@snu.ac.kr 201620172018201920190@snu.ac.kr pp2017@movement.snu.ac.kr pp2017@,move.snu.ac.kr jason@mrl.snu.ac.kr pp2017@@snu.ac.kr |
| **Output** |
| pp2017@snu.ac.kr  pp2019@snu.ac.kr  20171217@snu.ac.kr  jason@mrl.snu.ac.kr |