

DECODE

Description:

Consider the following process for encoding secret messages: First, add enough spaces to the end of the message to make its length the nearest multiple of five. Next, write the message in rows of 5 characters, with spaces replaced with *. Finally, send the message one column at a time beginning with the left column and moving to the right.

For example, breaking the message “This is a secret message” into 5-character rows and substituting *s for spaces gives:

```
T h i s *  
i s * a *  
s e c r e  
t * m e s  
s a g e *
```

And the encoded message would be:

Tistshse*ai*cmgsaree**es*

Write a program that reads an encoded message and prints the decoded message.

Input:

Each encoded message will be given on a separate line and will be no longer than 80 characters. It will contain only letters and *s.

Output:

For each encoded message, print the corresponding decoded message, each on a separate line.

Example:

Sample Input data : (decode.txt)

```
Tistshse*ai*cmgsaree**es*  
Dog**  
Maeet*re*r*tti**hv*
```

Sample Output:

```
This is a secret message  
Dog  
Meet at the river
```

Data Set 1 – Input

Tistshse*ai*cmgsaree**es*
Dog**
Maeet*re*r*tti**hv*
G*oT*oTwon
G*soT**o*Tw*on*
FCFCFCFCFCFCFCaAaAaAaAaAaAsRsRsRsRsRsRsRtStStStStStS*****

Judge Data Set 1 -Output (100 marks 15 each last one 25)

This is a secret message
Dog
Meet at the river
Go To Town
Go To Towns
Fast CARS Fast CARS Fast CARS Fast CARS Fast CARS Fast CARS Fast CARS

Data Set 2 – Input

Pairmaom*ga*rn*
SJB**
Maeet*re*r*tti**hv*
G*oT*oTwon
G*soT**o*Tw*on*
FCFCFCFCFCFCFCaAaAaAaAaAaAsRsRsRsRsRsRsRtStStStStStS*****

Data Set 2 – Output (100 marks - 15 each last one 25)

Programmania
SJB
Meet at the river
Go To Town
Go To Towns
Fast CARS Fast CARS Fast CARS Fast CARS Fast CARS Fast CARS Fast CARS