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● Seating Arrangement

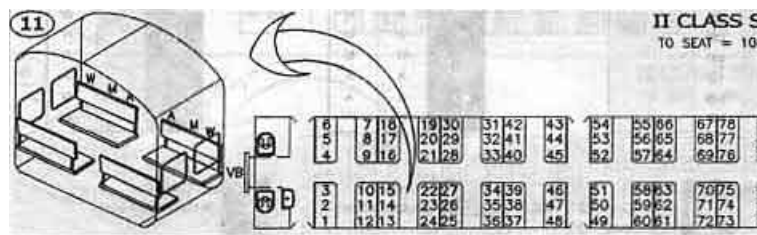
Attempted by: 44166 / Accuracy: 52% / Maximum Score: 10 /

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Tag(s): Very-Easy

[PROBLEM](#)[EDITORIAL](#)[MY SUBMISSIONS](#)[ANALYTICS](#)

Akash and Vishal are quite fond of travelling. They mostly travel by railways. They were travelling in a train one day and they got interested in the seating arrangement of their compartment. The compartment looked something like



So they got interested to know the seat number facing them and the seat type facing them. The seats are denoted as follows :

- Window Seat : WS
- Middle Seat : MS
- Aisle Seat : AS

You will be given a seat number, find out the seat number facing you and the seat type, i.e. WS, MS or AS.

INPUT

First line of input will consist of a single integer T denoting number of test-cases. Each test-case consists of a single integer N denoting the seat-number.

OUTPUT

For each test case, print the facing seat-number and the seat-type, separated by a single space in a new line.

CONSTRAINTS

- $1 \leq T \leq 10^5$
- $1 \leq N \leq 108$

SAMPLE INPUT	SAMPLE OUTPUT
2	19 WS
18	45 AS
40	

15

LIVE EVENTS

BEST SUBMISSIONS

LANGUAGE: C (gcc 5.4.0)

TIME (sec)

1.00467

MEMORY (KiB)

64

by PRADEEP MANIVELAN

[VIEW BEST SUBMISSION](#)[VIEW ALL SUBMISSION](#)

CONTRIBUTOR

AUTHOR
ATANU CHATTERJEE

THIS PROBLEM WAS ASKED IN

CHALLENGE NAME
Code Chronicles Season 3

SOCIAL SHARE



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Time Limit:	1.0 sec(s) for each input file.
Memory Limit:	256 MB
Source Limit:	1024 KB
Marking Scheme:	Marks are awarded when all the testcases pass.
Allowed Languages:	Bash, C, C++, C++14, Clojure, C#, D, Erlang, F#, Go, Groovy, Haskell, Java, Java 8, JavaScript(Rhino), JavaScript(Node.js), Julia, Kotlin, Lisp, Lisp (SBCL), Lua, Objective-C, OCaml, Octave, Pascal, Perl, PHP, Python, Python 3, R(RScript), Racket, Ruby, Rust, Scala, Swift, Swift-4.1, TypeScript, Visual Basic

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LIVE EVENTS

CODE EDITOR

Enter your code or [Upload your code](#) as file.

Save

C++14 (g++ 5.4.0)

```
1  #include<iostream>
2
3  using namespace std;
4
5  int main(){
6      ios_base::sync_with_stdio(false);
7      cin.tie(NULL);
8      int testCases;
9      cin>>testCases;
10     for(int t=0;t<testCases;t++){
11         int seat;
12         cin>>seat;
13         int rem = seat % 12;
14
15         switch(rem){
16             case 1:
17                 cout<<seat+11<<" WS\n";
18                 break;
19             case 2:
20                 cout<<seat+9<<" MS\n";
21                 break;
22             case 3:
23                 cout<<seat+7<<" AS\n";
24                 break;
25             case 4:
26                 cout<<seat+5<<" AS\n";
27         }
28     }
29 }
```

1:1 vscode

☒ Provide custom input

COMPILE & TEST

SUBMIT



Your Rating:

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PROGRAMMERS WHO SOLVED THIS PROBLEM ALSO SOLVED

Minimize Cost

Attempted By: **4934** / Accuracy: **63**

Magical Word





Attempted By: **21041** / Accuracy: **40**

Number Of Steps

Attempted By: **2040** / Accuracy: **90**

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		Competitive coding challenges	Developers wiki	Assess university talent	Careers
		Code Monk	How to conduct a hackathon	Organize hackathon	Contact us
		Start a programming club			Technical support

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Site Language: English

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