



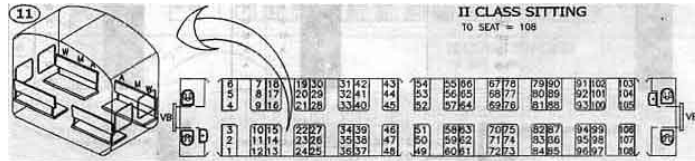
## Seating Arrangement

Attempted by: 21577 / Accuracy: 52% / Maximum Score: 10 ★★★★★ 792 Votes

Tag(s): Very-Easy

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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	

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), TypeScript, 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, Visual Basic

### BEST SUBMISSIONS

LANGUAGE: **Bash**

There is no solution for this language

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### CONTRIBUTOR

 AUTHOR  
ATANU CHATTERJEE

### THIS PROBLEM WAS ASKED IN

 CHALLENGE NAME  
Code Chronicles Season 3

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java 8 (oracle 1.8.0\_131)



1

1:1

💡 Press Ctrl/Command+Spacebar for autocomplete suggestions (accuracy dependent on connection stability).

📄 Provide custom input

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