**7 kyu**

**Automorphic Number (Special Numbers Series #6)**

18991% of 25478 of1,295[MrZizoScream](https://www.codewars.com/users/MrZizoScream)

C#

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**Definition**

A **number** is called ***Automorphic number*** if and only if *its square ends in the same digits as the number itself*.

**Task**

***Given*** a **number** *determine if it Automorphic or not* .

**Warm-up (Highly recommended)**

[**Playing With Numbers Series**](https://www.codewars.com/collections/playing-with-numbers)

**Notes**

* The ***number*** passed to the function is ***positive***
* ***Single-digit*** numbers are considered ***Automorphic number***.

**Input >> Output Examples**

1- autoMorphic (25) -->> return "Automorphic"

***Explanation***:

* 25 squared is 625 , ***Ends with the same number's digits which are 25*** .

2- autoMorphic (13) -->> return "Not!!"

***Explanation***:

* 13 squared is 169 , ***Not ending with the same number's digits which are 69*** .

3- autoMorphic (76) -->> return "Automorphic"

***Explanation***:

* 76 squared is 5776 , ***Ends with the same number's digits which are 76*** .

5- autoMorphic (225) -->> return "Not!!"

***Explanation***:

* 225 squared is 50625 , ***Not ending with the same number's digits which are 225*** .

4- autoMorphic (625) -->> return "Automorphic"

***Explanation***:

* 625 squared is 390625 , ***Ends with the same number's digits which are 625*** .

6- autoMorphic (1) -->> return "Automorphic"

***Explanation***:

* 1 squared is 1 , ***Ends with the same number's digits which are 1*** .

7- autoMorphic (6) -->> return "Automorphic"

***Explanation***:

* 6 squared is 36 , ***Ends with the same number's digits which are 6***

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ALL translations are welcomed

Enjoy Learning !!

**Zizou**

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public static string Automorphic(int n)

{

//Do Some Magic

return (n \* n).ToString().EndsWith(n.ToString()) ? "Automorphic" : "Not!!";

}