## Input

* The possible inputs are:
  + **Examples for a valid input:**

#SteveHislop#=16!!tv5dekdz8x11ddkc

* + **Examples for an invalid input:**
    - %GiacomoAgostini$=7!!tv58ycb – The length is the same, but the name is not surrounded by **matching signs**.
    - $GeoffDuke$=6!!tuvz26n35dhe4w4 – The length doesn't **match** the **length** of the code.
    - &JoeyDunlop&!!tvndjef67t=14 – The length should be **before** the code.

## Output

* The possible outputs are:
  + "**Coordinates found! {nameOfRacer} -> {geohashcode}**"
  + "**Nothing found!**"

## Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| %GiacomoAgostini%=7!!hbqw  &GeoffDuke\*=6!!vjh]zi  JoeyDunlop=10!!lkd,rwazdr  Mike??Hailwood=5!![pliu  #SteveHislop#=16!!df%TU[Tj(h!!TT[S | Nothing found!  Nothing found!  Nothing found!  Nothing found!  Coordinates found! SteveHislop -> tv5dekdz8x11ddkc |
| **Comments** | |
| The first line matches, but the **length** of the code **doesn't match** the given number, so we print "Nothing found!"  The second line begins with **"&"**, but ends with **"\*"**, so we print "Nothing found!"  The third line is not valid because the **name is not surrounded** by one of the **allowed** **symbols**.  The fourth line is not a match, because the name doesn't contain **only** letters.  The fifth line is a match and the length is equal to the given number - 16, so we increase each of the symbols from the code with 16 and print the message in the appropriate format. | |
|  | |
| Ian6Hutchinson=7!!\(58ycb4  #MikeHailwood#!!'gfzxgu6768=11  slop%16!!plkdek/.8x11ddkc  $Steve$=9Hhffjh  \*DavMolyneux\*=15!!efgk#'\_$&UYV%h%  RichardQ^uayle=16!!fr5de5kd | Nothing found!  Nothing found!  Nothing found!  Nothing found!  Coordinates found! DavMolyneux -> tuvz26n35dhe4w4 |

## JS

The input will be provided as an array of strings.

|  |  |
| --- | --- |
| **Input** | **Output** |
| (["%GiacomoAgostini%=7!!hbqw",  "&GeoffDuke\*=6!!vjh]zi",  "JoeyDunlop=10!!lkd,rwazdr",  "Mike??Hailwood=5!![pliu",  "#SteveHislop#=16!!df%TU[Tj(h!!TT[S"]) | Nothing found!  Nothing found!  Nothing found!  Nothing found!  Coordinates found! SteveHislop -> tv5dekdz8x11ddkc |
| **Comments** | |
| The first line matches, but the **length** of the code **doesn't match** the given number, so we print "Nothing found!"  The second line begins with **"&"**, but ends with **"\*"**, so we print "Nothing found!"  The third line is not valid because the **name is not surrounded** by one of the **allowed** **symbols**.  The fourth line is not a match, because the name doesn't contain **only** letters.  The fifth line is a match and the length is equal to the given number - 16, so we increase each of the symbols from the code with 16 and print the message in the appropriate format. | |
|  | |
| (["Ian6Hutchinson=7!!\(58ycb4",  "#MikeHailwood#!!'gfzxgu6768=11",  "slop%16!!plkdek/.8x11ddkc",  "$Steve$=9Hhffjh",  "\*DavMolyneux\*=15!!efgk#'\_$&UYV%h%",  "RichardQ^uayle=16!!fr5de5kd"]) | Nothing found!  Nothing found!  Nothing found!  Nothing found!  Coordinates found! DavMolyneux -> tuvz26n35dhe4w4 |