- Enter a number (n1) on the console.
- Enter a number (n2) on the console.
- Compare the two number:
 - o If n2 is greater than n1 print the sum of the two numbers.
 - Otherwise print -1.

Q1: What will be the result for these outputs?

Input	Output
> 3 > 8	8 (8 = 3 + 5)
> 5 > 5	-1
> 10 > 8 > 0 > 5	
> 0 > 5	
> 1 > 3	

Q2: Analyze the symbols you need to solve this problem.

Element	Do you need it?	For what?
Action		
Decision		
Repeat		
Input / Output		

Q3: From the following code, draw the corresponding flowchart.

```
n1 = int(input())
n2 = int(input())
sum = -1
if n2 > n1:
sum = n1 + n2
print(sum)
```

Q4: Solve this poll of question on hackerrank:

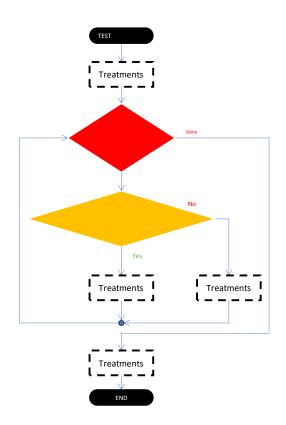
https://www.hackerrank.com/work/tests/1404754/questions

Check if string contains only "A".

Q1: What will be the **result** for these outputs?

Input	Output
BBBB	False
AA	True
BBBBA	
AABC	
AAAAAA	
AAAD	

Q2: Fill up the gap of the following flowchart.



Q3: Implement it in Python.

Q4: Execute it and fill up the following result table.

Input	Output
BBBAB	
AAAAA	
ABABBBA	
AABCA	

- Enter a number again and again until there is no "end" string.
- Print the even number in the console.

Q1: What will be the **result** for these outputs?

Input	Output
>5	
> 3 > 2	2:10
> 10	2.10
> end	
>5	
> 4	
> 8	4:8:16
> 16	
> end	
> 2	
> 6	
> 4 > 7	
> / > end	
> 5	
>3	
>7	
>1	
> end	
>1	
> 2	
>3	
> end	
Q2: Create a flowchart by using the condition (while) block.	
Q3: Implement it in Python.	
Q4: Is it possible to adapt your solution by using the repeat	block? If so, do it.

- Input text in the console
- Print index of the LAST pattern "KK" (first K letter)
- If no "KK", write -1

Q1: What will be the result for these outputs?

Input	Output
DDKDDDKE	-1
DDKKDDKKD	6
К	
AAKAKK	
XXKKXXKX	
KKAAK	

Q2: What is wrong with this code?

```
text = input()
result = -1
for index in range(len(text)):
  letter = text[index]
  if letter == "K" and and text[index + 1] == "K":
    result = index
print(result)
```

Q3: To find the bug, test this code and check if the output is correct.

INPUT	OUTPUT
KK	
KKK	
AAKKAK	

Q4: Write the correct code.

- Enter 2 numbers using a string, as follows: "number1; number2".
- Number1 and number2 shall be composed of 2 digits (example "45")
- Between number1 and number2, the character ";" shall be entered.
- If format is good
 - O Display the sum of these 2 numbers.
 - o Otherwise display: "WRONG FORMAT"

Q1: What will be the result for these outputs?

Input	Output	
12;13	25	
Ronan	WRONG FORMAT	
12;1	WRONG FORMAT	
10;20		
12/14		
15;16;18		
Q2: Do you need extra variables?		
Q3: What is the information we need to keep?		
Q4: Solve this problem and try your code with the previous inputs.		