

## Last Letter Concatenation

Q: "Eric, Shaun, Christopher, Wooh"  
A:

Q: "Eric, Shaun"

A:

The last letter of "Eric" is "c". The last letter of "Shaun" is "n". Concatenating "c", "n" leads to "cn". So, "Eric, Shaun" outputs "cn".

Q: "Christopher, Wooh"

A:

The last letter of "Christopher" is "r". The last letter of "Wooh" is "h". Concatenating "r", "h" leads to "rh". So, "Christopher, Wooh" outputs "rh".

Q: "Eric, Shaun"

A: The last letter of "Eric" is "c". The last letter of "Shaun" is "n". Concatenating "c", "n" leads to "cn". So, "Eric, Shaun" outputs "cn".

Q: "Christopher, Wooh"

A: The last letter of "Christopher" is "r". The last letter of "Wooh" is "h". Concatenating "r", "h" leads to "rh". So, "Christopher, Wooh" outputs "rh".

Q: "Eric, Shaun, Christopher, Wooh"

A:

"Eric, Shaun" outputs "cn". "Christopher, Wooh" outputs "rh". Concatenating "cn", "rh" leads to "cnrh". So, "Eric, Shaun, Christopher, Wooh" outputs "cnrh".

## Navigate (BBH)

Q: If you follow these instructions, what are the coordinates of the end point if you start at the point (0, 0), facing the positive y-axis?  
Turn left. Turn around. Turn left. Take 7 steps. Take 2 steps. Take 4 steps. Take 8 steps.  
A:

Q: If you follow these instructions, what are the coordinates of the end point if you start at the point (0, 0), facing the positive y-axis?  
Turn left. Turn around. Turn left. Take 7 steps.  
A:

Let's think step by step.  
We start at the point (0, 0), facing the positive y-axis.  
(1) Turn left: (0, 0), facing the negative x-axis.  
(2) Turn around: (0,0), facing the positive x-axis.  
(3) Turn left: (0, 0), facing the positive y-axis.  
(4) Take 7 steps: (0, 7) facing the positive y-axis.  
So the answer is (0, 7).

Q: If you follow these instructions, what are the coordinates of the end point if you start at the point (0, 7), facing the positive y-axis?  
Take 2 steps. Take 4 steps. Take 8 steps.  
A:

Let's think step by step.  
We start at the point (0, 7), facing the positive y-axis.  
(1) Take 2 steps: (0, 9), facing the negative y-axis.  
(2) Take 4 steps: (0,13), facing the positive y-axis.  
(3) Take 8 steps: (0, 21), facing the positive y-axis.  
So the answer is (0, 21).