

Scanner

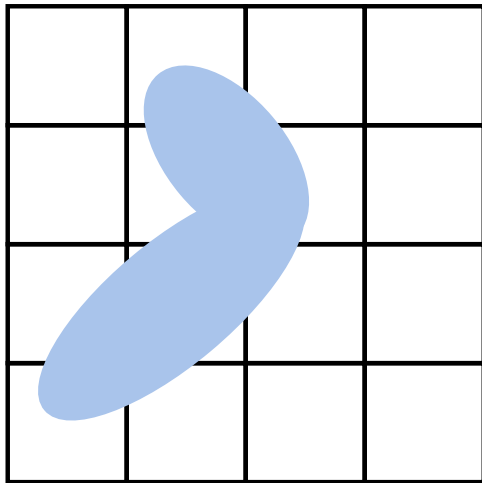
Proseminar SS25

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1 Problem Definition



Result Matrix

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Result Matrix

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.##.

.##.

###.

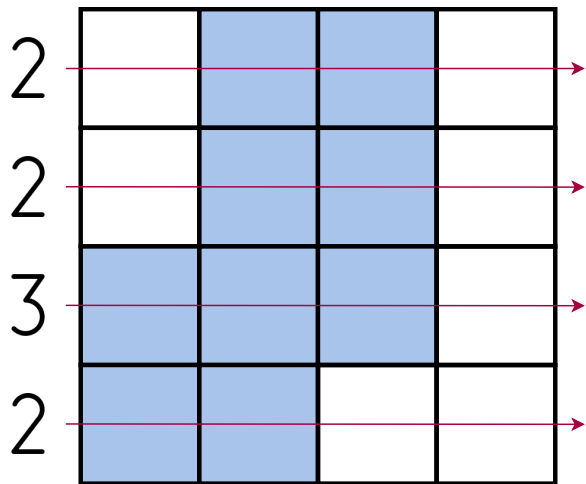
##..

This is our actual output

But what is our input?

Getting the input

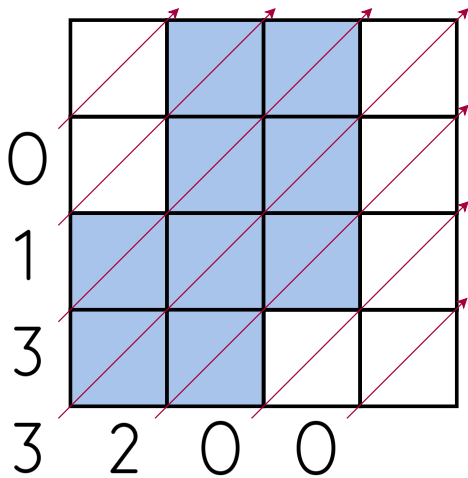
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2 2 3 2

Getting the input

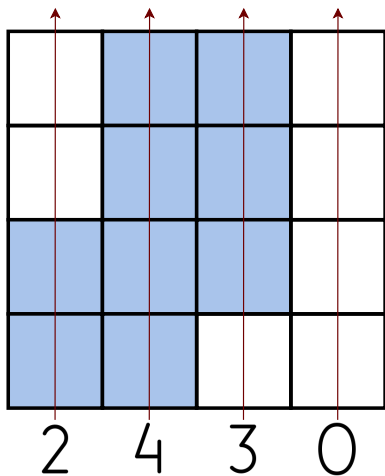
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```
2 2 3 2
0 1 3 3 2 0 0
```


Getting the input

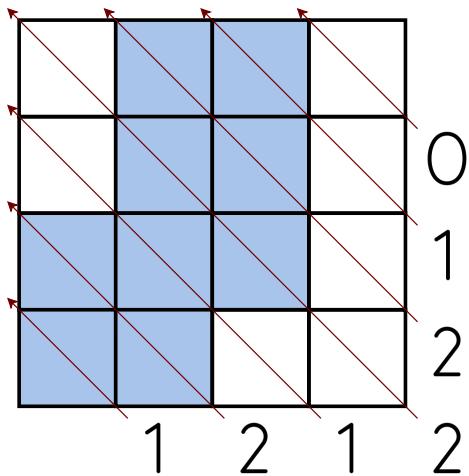
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```
2 2 3 2
0 1 3 3 2 0 0
2 4 3 0
```

Getting the input

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```
2 2 3 2
0 1 3 3 2 0 0
2 4 3 0
1 2 1 2 2 1 0
```

Getting the input

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The number at the top represents the number of matrices that will follow.

In our case, it's just one.

```
1
2 2 3 2
0 1 3 3 2 0 0
2 4 3 0
1 2 1 2 2 1 0
```

And that's our input!

Live Demo

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insert picture

2 Solution

Tools

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- Python
- Numpy

Algorithm

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yay