

## Problem F Magic Mirror

**Time Limit: 4 seconds**  
**Memory Limit: 512 Megabytes**

### Problem description

Users are required to enter a matrix 8x8 of characters as figure 1 (before mirror). The system displays these characters in new position after applied mirroring transformation by vertical axis as figure 2 (after mirror).

Below is an example of how the program will run:

Test-case1 : before mirror									after mirror								
	0	1	2	3	4	5	6	7		0	1	2	3	4	5	6	7
0			*						0						*		
1			*						1						*		
2			*						2						*		
3			*						3						*		
4			*						4						*		
5			*						5						*		
6			*						6						*		
7			*	*	*	*			7			*	*	*	*		

Fig 1. Original data (before mirror)

Sample data input 1

<SPACE><SPACE>\*<SPACE><SPACE><SPACE><SPACE><SPACE>

<SPACE><SPACE>\*<SPACE><SPACE><SPACE><SPACE><SPACE>

<SPACE><SPACE>\*<SPACE><SPACE><SPACE><SPACE><SPACE>

<SPACE><SPACE>\*<SPACE><SPACE><SPACE><SPACE><SPACE>

<SPACE><SPACE>\*<SPACE><SPACE><SPACE><SPACE><SPACE>

<SPACE><SPACE>\*<SPACE><SPACE><SPACE><SPACE><SPACE>

<SPACE><SPACE>\*<SPACE><SPACE><SPACE><SPACE><SPACE>

<SPACE><SPACE>\*\*\*\*<SPACE><SPACE>

Fig 2. After mirrored

Sample data output 1

<SPACE><SPACE><SPACE><SPACE><SPACE>\*<SPACE><SPACE>

<SPACE><SPACE><SPACE><SPACE><SPACE>\*<SPACE><SPACE>

<SPACE><SPACE><SPACE><SPACE><SPACE>\*<SPACE><SPACE>

<SPACE><SPACE><SPACE><SPACE><SPACE>\*<SPACE><SPACE>

<SPACE><SPACE><SPACE><SPACE><SPACE>\*<SPACE><SPACE>

<SPACE><SPACE><SPACE><SPACE><SPACE>\*<SPACE><SPACE>

<SPACE><SPACE><SPACE><SPACE><SPACE>\*<SPACE><SPACE>

<SPACE><SPACE>\*\*\*\*<SPACE><SPACE>

Note: <SPACE> is the white space character – “ ” – in ASCII table

### Input

A matrix of 8x8 characters

## Output

The mirrored matrix result.

Example:

Test-case2 : before mirror									after mirror									
	0	1	2	3	4	5	6	7			0	1	2	3	4	5	6	7
0		*					*		0			*					*	
1		*	*				*		1			*				*	*	
2		*		*			*		2			*		*		*		
3		*		*			*		3			*		*		*		
4		*			*		*		4			*	*			*		
5		*			*		*		5			*	*			*		
6		*				*	*		6			*	*			*		
7		*					*		7			*				*		

Fig 3. Original data (before mirror)

Fig 4. After mirrored

### Sample data input 2

```
<SPACE>*<SPACE><SPACE><SPACE><SPACE>*<SPACE>
<SPACE>*<SPACE>*<SPACE><SPACE><SPACE><SPACE>*<SPACE>
<SPACE>*<SPACE><SPACE>*<SPACE><SPACE><SPACE>*<SPACE>
<SPACE>*<SPACE><SPACE>*<SPACE><SPACE><SPACE>*<SPACE>
<SPACE>*<SPACE><SPACE><SPACE>*<SPACE><SPACE>*<SPACE>
<SPACE>*<SPACE><SPACE><SPACE>*<SPACE><SPACE>*<SPACE>
<SPACE>*<SPACE><SPACE><SPACE>*<SPACE><SPACE>*<SPACE>
<SPACE>*<SPACE><SPACE><SPACE><SPACE>*<SPACE>*<SPACE>
<SPACE>*<SPACE><SPACE><SPACE><SPACE><SPACE>*<SPACE>
```

### Sample data output 2

```
<SPACE>*<SPACE><SPACE><SPACE><SPACE>*<SPACE>
<SPACE>*<SPACE><SPACE><SPACE><SPACE>*<SPACE>*<SPACE>
<SPACE>*<SPACE><SPACE><SPACE>*<SPACE><SPACE>*<SPACE>
<SPACE>*<SPACE><SPACE><SPACE>*<SPACE><SPACE>*<SPACE>
<SPACE>*<SPACE><SPACE>*<SPACE><SPACE><SPACE>*<SPACE>
<SPACE>*<SPACE><SPACE>*<SPACE><SPACE><SPACE>*<SPACE>
<SPACE>*<SPACE><SPACE>*<SPACE><SPACE><SPACE>*<SPACE>
<SPACE>*<SPACE>*<SPACE><SPACE><SPACE><SPACE>*<SPACE>
<SPACE>*<SPACE><SPACE><SPACE><SPACE><SPACE>*<SPACE>
```