

N-Queens Problem using hill climbing approach

Enter the number of queens

8

Enter the number of trials you want to want to try the algorithms

4

#Trail 1

```
* * * * * * * *
* * Q Q * * * Q
* * * * * * Q *
* * * * * * * *
* * * * * * * *
* Q * * * Q * *
Q * * * * * * *
* * * * Q * * *
```

The heuristic value of the original board is : 6

Better board found at column 0 with heuristic : 6

```
Q * * * * * * *
* * Q Q * * * Q
* * * * * * Q *
* * * * * * * *
* * * * * * * *
* Q * * * Q * *
* * * * * * * *
* * * * Q * * *
```

Better board found at column 0 with heuristic : 6

```
* * * * * * * *
* * Q Q * * * Q
Q * * * * * Q *
* * * * * * * *
* * * * * * * *
* Q * * * Q * *
* * * * * * * *
* * * * Q * * *
```

Better board found at column 0 with heuristic : 6

```
* * * * * * * *
* * Q Q * * * Q
* * * * * * Q *
* * * * * * * *
* * * * * * * *
* Q * * * Q * *
Q * * * * * * *
* * * * Q * * *
```

Better board found at column 0 with heuristic : 6

```
* * * * * * * *
* * Q Q * * * Q
* * * * * * Q *
* * * * * * * *
* * * * * * * *
* Q * * * Q * *
* * * * * * * *
Q * * * Q * * *
```

Better board found at column 1 with heuristic : 6

```
* Q * * * * *
* * Q Q * * * Q
* * * * * * Q *
* * * * * * *
* * * * * * *
* * * * * Q * *
* * * * * * *
Q * * * Q * * *
```

Better board found at column 1 with heuristic : 6

```
* * * * * * *
* * Q Q * * * Q
* * * * * * Q *
* Q * * * * *
* * * * * * *
* * * * * Q * *
* * * * * * *
Q * * * Q * * *
```

Better board found at column 1 with heuristic : 6

```
* * * * * * *
* * Q Q * * * Q
* * * * * * Q *
* * * * * * *
* Q * * * * *
* * * * * Q * *
* * * * * * *
Q * * * Q * * *
```

Better board found at column 1 with heuristic : 6

```
* * * * * * *
* * Q Q * * * Q
* * * * * * Q *
* * * * * * *
* * * * * * *
* Q * * * Q * *
* * * * * * *
Q * * * Q * * *
```

Better board found at column 1 with heuristic : 6

```
* * * * * * *
* * Q Q * * * Q
* * * * * * Q *
* * * * * * *
* * * * * * *
* * * * * Q * *
* Q * * * * *
Q * * * Q * * *
```

Better board found at column 2 with heuristic : 5

```
* * Q * * * *
* * * Q * * * Q
* * * * * * Q *
* * * * * * *
* * * * * * *
* * * * * Q * *
* Q * * * * * *
```

Q \* \* \* Q \* \* \*

Better board found at column 2 with heuristic : 4

\* \* \* \* \* \* \* \*

\* \* \* Q \* \* \* Q

\* \* \* \* \* \* Q \*

\* \* Q \* \* \* \* \*

\* \* \* \* \* \* \* \*

\* \* \* \* \* Q \* \*

\* Q \* \* \* \* \* \*

Q \* \* \* Q \* \* \*

Better board found at column 2 with heuristic : 4

\* \* \* \* \* \* \* \*

\* \* \* Q \* \* \* Q

\* \* \* \* \* \* Q \*

\* \* \* \* \* \* \* \*

\* \* Q \* \* \* \* \*

\* \* \* \* \* Q \* \*

\* Q \* \* \* \* \* \*

Q \* \* \* Q \* \* \*

Better board found at column 3 with heuristic : 3

\* \* \* Q \* \* \* \*

\* \* \* \* \* \* \* Q

\* \* \* \* \* \* Q \*

\* \* \* \* \* \* \* \*

\* \* Q \* \* \* \* \*

\* \* \* \* \* Q \* \*

\* Q \* \* \* \* \* \*

Q \* \* \* Q \* \* \*

Better board found at column 4 with heuristic : 3

\* \* \* Q \* \* \* \*

\* \* \* \* \* \* \* Q

\* \* \* \* \* \* Q \*

\* \* \* \* \* \* \* \*

\* \* Q \* \* \* \* \*

\* \* \* \* Q Q \* \*

\* Q \* \* \* \* \* \*

Q \* \* \* \* \* \*

Better board found at column 4 with heuristic : 3

\* \* \* Q \* \* \* \*

\* \* \* \* \* \* \* Q

\* \* \* \* \* \* Q \*

\* \* \* \* \* \* \* \*

\* \* Q \* \* \* \* \*

\* \* \* \* \* Q \* \*

\* Q \* \* \* \* \* \*

Q \* \* \* Q \* \* \*

Better board found at column 5 with heuristic : 3

\* \* \* Q \* \* \* \*

\* \* \* \* \* \* \* Q

\* \* \* \* \* \* Q \*

\* \* \* \* \* \* \* \*

\* \* Q \* \* \* \* \*

\* \* \* \* \* Q \* \*  
\* Q \* \* \* \* \*  
Q \* \* \* Q \* \* \*

Better board found at column 6 with heuristic : 3

\* \* \* Q \* \* \* \*  
\* \* \* \* \* \* \* Q  
\* \* \* \* \* \* Q \*  
\* \* \* \* \* \* \* \*  
\* \* Q \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* Q \* \* \* \* \* \*  
Q \* \* \* Q \* \* \*

Better board found at column 6 with heuristic : 3

\* \* \* Q \* \* \* \*  
\* \* \* \* \* \* \* Q  
\* \* \* \* \* \* \* \*  
\* \* \* \* \* \* Q \*  
\* \* Q \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* Q \* \* \* \* \* \*  
Q \* \* \* Q \* \* \*

Better board found at column 7 with heuristic : 3

\* \* \* Q \* \* \* \*  
\* \* \* \* \* \* \* Q  
\* \* \* \* \* \* \* \*  
\* \* \* \* \* \* Q \*  
\* \* Q \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* Q \* \* \* \* \* \*  
Q \* \* \* Q \* \* \*

Better board found at column 0 with heuristic : 3

Q \* \* Q \* \* \* \*  
\* \* \* \* \* \* \* Q  
\* \* \* \* \* \* \* \*  
\* \* \* \* \* \* Q \*  
\* \* Q \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* Q \* \* \* \* \* \*  
\* \* \* \* Q \* \* \*

Better board found at column 0 with heuristic : 2

\* \* \* Q \* \* \* \*  
Q \* \* \* \* \* \* Q  
\* \* \* \* \* \* \* \*  
\* \* \* \* \* \* Q \*  
\* \* Q \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* Q \* \* \* \* \* \*  
\* \* \* \* Q \* \* \*

Better board found at column 0 with heuristic : 2

\* \* \* Q \* \* \* \*  
\* \* \* \* \* \* \* Q  
Q \* \* \* \* \* \* \*

\* \* \* \* \* Q \*  
\* \* Q \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* Q \* \* \* \* \*  
\* \* \* \* Q \* \* \*

Better board found at column 0 with heuristic : 2

\* \* \* Q \* \* \* \*  
\* \* \* \* \* \* \* Q  
\* \* \* \* \* \* \* \*  
\* \* \* \* \* \* Q \*  
Q \* Q \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* Q \* \* \* \* \* \*  
\* \* \* \* Q \* \* \*

Better board found at column 1 with heuristic : 2

\* \* \* Q \* \* \* \*  
\* \* \* \* \* \* \* Q  
\* \* \* \* \* \* \* \*  
\* \* \* \* \* \* Q \*  
Q \* Q \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* Q \* \* \* \* \* \*  
\* \* \* \* Q \* \* \*

Better board found at column 2 with heuristic : 2

\* \* Q Q \* \* \* \*  
\* \* \* \* \* \* \* Q  
\* \* \* \* \* \* \* \*  
\* \* \* \* \* \* Q \*  
Q \* \* \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* Q \* \* \* \* \* \*  
\* \* \* \* Q \* \* \*

Better board found at column 2 with heuristic : 2

\* \* \* Q \* \* \* \*  
\* \* \* \* \* \* \* Q  
\* \* \* \* \* \* \* \*  
\* \* Q \* \* \* Q \*  
Q \* \* \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* Q \* \* \* \* \* \*  
\* \* \* \* Q \* \* \*

Better board found at column 2 with heuristic : 2

\* \* \* Q \* \* \* \*  
\* \* \* \* \* \* \* Q  
\* \* \* \* \* \* \* \*  
\* \* \* \* \* \* Q \*  
Q \* Q \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* Q \* \* \* \* \* \*  
\* \* \* \* Q \* \* \*

Better board found at column 3 with heuristic : 1

\* \* \* \* \* \* \* \*

```
* * * * * * * Q
* * * Q * * * *
* * * * * * Q *
Q * Q * * * * *
* * * * * Q * *
* Q * * * * * *
* * * * Q * * *
```

Better board found at column 4 with heuristic : 1

```
* * * * * * * *
* * * * * * * Q
* * * Q * * * *
* * * * * * Q *
Q * Q * * * * *
* * * * * Q * *
* Q * * * * * *
* * * * Q * * *
```

Better board found at column 5 with heuristic : 1

```
* * * * * * * *
* * * * * * * Q
* * * Q * * * *
* * * * * * Q *
Q * Q * * * * *
* * * * * Q * *
* Q * * * * * *
* * * * Q * * *
```

Better board found at column 6 with heuristic : 1

```
* * * * * * * *
* * * * * * * Q
* * * Q * * * *
* * * * * * Q *
Q * Q * * * * *
* * * * * Q * *
* Q * * * * * *
* * * * Q * * *
```

Better board found at column 7 with heuristic : 1

```
* * * * * * * *
* * * * * * * Q
* * * Q * * * *
* * * * * * Q *
Q * Q * * * * *
* * * * * Q * *
* Q * * * * * *
* * * * Q * * *
```

Better board found at column 0 with heuristic : 1

```
Q * * * * * * *
* * * * * * * Q
* * * Q * * * *
* * * * * * Q *
* * Q * * * * *
* * * * * Q * *
* Q * * * * * *
* * * * Q * * *
```

Better board found at column 0 with heuristic : 1

```
* * * * *
Q * * * * Q
* * * Q * * *
* * * * * Q *
* * Q * * * *
* * * * * Q *
* Q * * * * *
* * * * Q * * *
```

Better board found at column 0 with heuristic : 1

```
* * * * *
* * * * * Q
* * * Q * * *
* * * * * Q *
Q * Q * * * *
* * * * * Q *
* Q * * * * *
* * * * Q * * *
```

Better board found at column 1 with heuristic : 1

```
* * * * *
* * * * * Q
* * * Q * * *
* * * * * Q *
Q * Q * * * *
* * * * * Q *
* Q * * * * *
* * * * Q * * *
```

Better board found at column 2 with heuristic : 0

```
* * Q * * * *
* * * * * Q
* * * Q * * *
* * * * * Q *
Q * * * * *
* * * * * Q *
* Q * * * * *
* * * * Q * * *
```

Better board found at column 3 with heuristic : 0

```
* * Q * * * *
* * * * * Q
* * * Q * * *
* * * * * Q *
Q * * * * *
* * * * * Q *
* Q * * * * *
* * * * Q * * *
```

Better board found at column 4 with heuristic : 0

```
* * Q * * * *
* * * * * Q
* * * Q * * *
* * * * * Q *
Q * * * * *
* * * * * Q * *
```

\* Q \* \* \* \* \*  
\* \* \* \* Q \* \* \*  
Better board found at column 5 with heuristic : 0

\* \* Q \* \* \* \* \*  
\* \* \* \* \* \* \* Q  
\* \* \* Q \* \* \* \*  
\* \* \* \* \* \* Q \*  
Q \* \* \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* Q \* \* \* \* \* \*  
\* \* \* \* Q \* \* \*

Better board found at column 6 with heuristic : 0

\* \* Q \* \* \* \* \*  
\* \* \* \* \* \* \* Q  
\* \* \* Q \* \* \* \*  
\* \* \* \* \* \* Q \*  
Q \* \* \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* Q \* \* \* \* \* \*  
\* \* \* \* Q \* \* \*

Better board found at column 7 with heuristic : 0

\* \* Q \* \* \* \* \*  
\* \* \* \* \* \* \* Q  
\* \* \* Q \* \* \* \*  
\* \* \* \* \* \* Q \*  
Q \* \* \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* Q \* \* \* \* \* \*  
\* \* \* \* Q \* \* \*

Solution found...

#Trail 2

\* \* \* \* \* \* Q \*  
\* \* \* \* \* Q \* \*  
\* Q \* \* \* \* \* \*  
\* \* \* Q Q \* \* \*  
\* \* Q \* \* \* \* \*  
\* \* \* \* \* \* \* \*  
\* \* \* \* \* \* \* Q  
Q \* \* \* \* \* \* \*

The heuristic value of the original board is : 9

Better board found at column 0 with heuristic : 9

\* \* \* \* \* \* Q \*  
\* \* \* \* \* Q \* \*  
\* Q \* \* \* \* \* \*  
\* \* \* Q Q \* \* \*  
Q \* Q \* \* \* \* \*  
\* \* \* \* \* \* \* \*  
\* \* \* \* \* \* \* Q  
\* \* \* \* \* \* \* \*

Better board found at column 0 with heuristic : 8

\* \* \* \* \* \* Q \*  
\* \* \* \* \* Q \* \*



```
* Q * * * * *
* * * Q Q * * *
* * Q * * * * *
Q * * * * *
* * * * * Q
* * * * * *
```

Better board found at column 1 with heuristic : 8

```
* * * * * Q *
* * * * * Q * *
* Q * * * * *
* * * Q Q * * *
* * Q * * * * *
Q * * * * *
* * * * * Q
* * * * * *
```

Better board found at column 1 with heuristic : 8

```
* * * * * Q *
* * * * * Q * *
* * * * * * *
* * * Q Q * * *
* * Q * * * * *
Q * * * * *
* * * * * Q
* Q * * * * *
```

Better board found at column 2 with heuristic : 6

```
* * Q * * * Q *
* * * * * Q * *
* * * * * * *
* * * Q Q * * *
* * * * * * *
Q * * * * *
* * * * * Q
* Q * * * * *
```

Better board found at column 2 with heuristic : 6

```
* * * * * Q *
* * * * * Q * *
* * Q * * * * *
* * * Q Q * * *
* * * * * * *
Q * * * * *
* * * * * Q
* Q * * * * *
```

Better board found at column 3 with heuristic : 3

```
* * * Q * * Q *
* * * * * Q * *
* * Q * * * * *
* * * * Q * * *
* * * * * * *
Q * * * * *
* * * * * Q
* Q * * * * *
```

Better board found at column 3 with heuristic : 3

```
* * * * * Q *
* * * * * Q * *
* * Q * * * *
* * * * Q * * *
* * * Q * * * *
Q * * * * *
* * * * * Q
* Q * * * * *
```

Better board found at column 3 with heuristic : 3

```
* * * * * Q *
* * * * * Q * *
* * Q * * * *
* * * * Q * * *
* * * * * * *
Q * * * * *
* * * Q * * * Q
* Q * * * * *
```

Better board found at column 3 with heuristic : 3

```
* * * * * Q *
* * * * * Q * *
* * Q * * * *
* * * * Q * * *
* * * * * * *
Q * * * * *
* * * * * Q
* Q * Q * * *
```

Better board found at column 4 with heuristic : 3

```
* * * * * Q *
* * * * * Q * *
* * Q * * * *
* * * * Q * * *
* * * * * * *
Q * * * * *
* * * * * Q
* Q * Q * * *
```

Better board found at column 4 with heuristic : 3

```
* * * * * Q *
* * * * * Q * *
* * Q * * * *
* * * * * * *
* * * * * * *
Q * * * Q * * *
* * * * * Q
* Q * Q * * *
```

Better board found at column 5 with heuristic : 3

```
* * * * * Q *
* * * * * Q * *
* * Q * * * *
* * * * * * *
* * * * * * *
Q * * * Q * * *
* * * * * Q
```

\* Q \* Q \* \* \* \*

Better board found at column 5 with heuristic : 3

\* \* \* \* \* \* Q \*

\* \* \* \* \* \* \* \*

\* \* Q \* \* \* Q \* \*

\* \* \* \* \* \* \* \*

\* \* \* \* \* \* \* \*

Q \* \* \* \* Q \* \* \*

\* \* \* \* \* \* \* Q

\* Q \* Q \* \* \* \*

Better board found at column 5 with heuristic : 3

\* \* \* \* \* \* Q \*

\* \* \* \* \* \* \* \*

\* \* Q \* \* \* \* \*

\* \* \* \* \* Q \* \*

\* \* \* \* \* \* \* \*

Q \* \* \* \* Q \* \* \*

\* \* \* \* \* \* \* Q

\* Q \* Q \* \* \* \*

Better board found at column 6 with heuristic : 3

\* \* \* \* \* \* \* \*

\* \* \* \* \* \* Q \*

\* \* Q \* \* \* \* \*

\* \* \* \* \* Q \* \*

\* \* \* \* \* \* \* \*

Q \* \* \* \* Q \* \* \*

\* \* \* \* \* \* \* Q

\* Q \* Q \* \* \* \*

Better board found at column 7 with heuristic : 3

\* \* \* \* \* \* \* \*

\* \* \* \* \* \* Q \*

\* \* Q \* \* \* \* \*

\* \* \* \* \* Q \* \*

\* \* \* \* \* \* \* Q

Q \* \* \* \* Q \* \* \*

\* \* \* \* \* \* \* \*

\* Q \* Q \* \* \* \*

Better board found at column 7 with heuristic : 3

\* \* \* \* \* \* \* \*

\* \* \* \* \* \* Q \*

\* \* Q \* \* \* \* \*

\* \* \* \* \* Q \* \*

\* \* \* \* \* \* \* \*

Q \* \* \* \* Q \* \* \*

\* \* \* \* \* \* \* Q

\* Q \* Q \* \* \* \*

Better board found at column 0 with heuristic : 3

Q \* \* \* \* \* \* \*

\* \* \* \* \* \* Q \*

\* \* Q \* \* \* \* \*

\* \* \* \* \* Q \* \*

\* \* \* \* \* \* \* \*

\* \* \* \* Q \* \* \*  
\* \* \* \* \* \* \* Q  
\* Q \* Q \* \* \* \*

Better board found at column 0 with heuristic : 3

\* \* \* \* \* \* \* \*  
\* \* \* \* \* \* \* Q \*  
Q \* Q \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* \* \* \* \* \* \* \*  
\* \* \* \* Q \* \* \*  
\* \* \* \* \* \* \* Q  
\* Q \* Q \* \* \* \*

Better board found at column 0 with heuristic : 3

\* \* \* \* \* \* \* \*  
\* \* \* \* \* \* \* Q \*  
\* \* Q \* \* \* \* \*  
Q \* \* \* \* Q \* \*  
\* \* \* \* \* \* \* \*  
\* \* \* \* Q \* \* \*  
\* \* \* \* \* \* \* Q  
\* Q \* Q \* \* \* \*

Better board found at column 0 with heuristic : 3

\* \* \* \* \* \* \* \*  
\* \* \* \* \* \* \* Q \*  
\* \* Q \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* \* \* \* \* \* \* \*  
Q \* \* \* Q \* \* \*  
\* \* \* \* \* \* \* Q  
\* Q \* Q \* \* \* \*

Better board found at column 1 with heuristic : 2

\* Q \* \* \* \* \* \*  
\* \* \* \* \* \* \* Q \*  
\* \* Q \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* \* \* \* \* \* \* \*  
Q \* \* \* Q \* \* \*  
\* \* \* \* \* \* \* Q  
\* \* \* Q \* \* \* \*

Better board found at column 1 with heuristic : 2

\* \* \* \* \* \* \* \*  
\* \* \* \* \* \* \* Q \*  
\* \* Q \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* Q \* \* \* \* \* \*  
Q \* \* \* Q \* \* \*  
\* \* \* \* \* \* \* Q  
\* \* \* Q \* \* \* \*

Better board found at column 2 with heuristic : 2

\* \* \* \* \* \* \* \*  
\* \* \* \* \* \* \* Q \*  
\* \* Q \* \* \* \* \*

\* \* \* \* \* Q \* \*  
\* Q \* \* \* \* \*  
Q \* \* \* Q \* \* \*  
\* \* \* \* \* \* \* Q  
\* \* \* Q \* \* \* \*

Better board found at column 3 with heuristic : 2

\* \* \* Q \* \* \* \*  
\* \* \* \* \* \* Q \*  
\* \* Q \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* Q \* \* \* \* \* \*  
Q \* \* \* Q \* \* \*  
\* \* \* \* \* \* \* Q  
\* \* \* \* \* \* \* \*

Better board found at column 3 with heuristic : 2

\* \* \* \* \* \* \* \*  
\* \* \* \* \* \* Q \*  
\* \* Q \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* Q \* \* \* \* \* \*  
Q \* \* \* Q \* \* \*  
\* \* \* \* \* \* \* Q  
\* \* \* Q \* \* \* \*

Better board found at column 4 with heuristic : 2

\* \* \* \* Q \* \* \*  
\* \* \* \* \* \* Q \*  
\* \* Q \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* Q \* \* \* \* \* \*  
Q \* \* \* \* \* \* \*  
\* \* \* \* \* \* \* Q  
\* \* \* Q \* \* \* \*

Better board found at column 4 with heuristic : 2

\* \* \* \* \* \* \* \*  
\* \* \* \* \* \* Q \*  
\* \* Q \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* Q \* \* \* \* \* \*  
Q \* \* \* Q \* \* \*  
\* \* \* \* \* \* \* Q  
\* \* \* Q \* \* \* \*

Better board found at column 5 with heuristic : 2

\* \* \* \* \* \* \* \*  
\* \* \* \* \* \* Q \*  
\* \* Q \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* Q \* \* \* \* \* \*  
Q \* \* \* Q \* \* \*  
\* \* \* \* \* \* \* Q  
\* \* \* Q \* \* \* \*

Better board found at column 6 with heuristic : 2

\* \* \* \* \* \* Q \*

```
* * * * *
* * Q * * *
* * * * * Q *
* Q * * * *
Q * * * Q * *
* * * * * Q
* * * Q * * *
```

Better board found at column 6 with heuristic : 2

```
* * * * *
* * * * * Q *
* * Q * * *
* * * * * Q *
* Q * * * *
Q * * * Q * *
* * * * * Q
* * * Q * * *
```

Better board found at column 7 with heuristic : 2

```
* * * * *
* * * * * Q *
* * Q * * *
* * * * * Q *
* Q * * * *
Q * * * Q * *
* * * * * Q
* * * Q * * *
```

Better board found at column 0 with heuristic : 1

```
Q * * * *
* * * * * Q *
* * Q * * *
* * * * * Q *
* Q * * * *
* * * * Q * *
* * * * * Q
* * * Q * * *
```

Better board found at column 0 with heuristic : 1

```
* * * * *
* * * * * Q *
Q * Q * * *
* * * * * Q *
* Q * * * *
* * * * Q * *
* * * * * Q
* * * Q * * *
```

Better board found at column 0 with heuristic : 1

```
* * * * *
* * * * * Q *
* * Q * * *
* * * * * Q *
* Q * * * *
* * * * Q * *
Q * * * * Q
* * * Q * * *
```

Better board found at column 1 with heuristic : 1

```
* * * * * * * *
* * * * * * Q *
* * Q * * * * *
* * * * * Q * *
* Q * * * * * *
* * * * * Q * *
Q * * * * * * Q
* * * Q * * * *
```

Better board found at column 2 with heuristic : 1

```
* * * * * * * *
* * * * * * Q *
* * Q * * * * *
* * * * * Q * *
* Q * * * * * *
* * * * * Q * *
Q * * * * * * Q
* * * Q * * * *
```

Better board found at column 3 with heuristic : 1

```
* * * Q * * * *
* * * * * * Q *
* * Q * * * * *
* * * * * Q * *
* Q * * * * * *
* * * * * Q * *
Q * * * * * * Q
* * * * * * * *
```

Better board found at column 3 with heuristic : 1

```
* * * * * * * *
* * * * * * Q *
* * Q * * * * *
* * * * * Q * *
* Q * * * * * *
* * * * * Q * *
Q * * * * * * Q
* * * Q * * * *
```

Better board found at column 4 with heuristic : 1

```
* * * * * * * *
* * * * * * Q *
* * Q * * * * *
* * * * * Q * *
* Q * * * * * *
* * * * * Q * *
Q * * * * * * Q
* * * Q * * * *
```

Better board found at column 5 with heuristic : 1

```
* * * * * * * *
* * * * * * Q *
* * Q * * * * *
* * * * * Q * *
* Q * * * * * *
* * * * * Q * *
```

```
Q * * * * * Q
* * * Q * * *
Better board found at column 6 with heuristic : 1
* * * * *
* * * * * Q *
* * Q * * *
* * * * * Q *
* Q * * * *
* * * * Q *
Q * * * * * Q
* * * Q * *
Better board found at column 7 with heuristic : 1
* * * * * Q
* * * * * Q *
* * Q * * *
* * * * * Q *
* Q * * * *
* * * * Q *
Q * * * * *
* * * Q * *
Better board found at column 7 with heuristic : 1
* * * * *
* * * * * Q *
* * Q * * *
* * * * * Q *
* Q * * * * Q
* * * * Q *
Q * * * * *
* * * Q * *
Better board found at column 7 with heuristic : 1
* * * * *
* * * * * Q *
* * Q * * *
* * * * * Q *
* Q * * * *
* * * * Q *
Q * * * * * Q
* * * Q * *
Better board found at column 0 with heuristic : 1
Q * * * * *
* * * * * Q *
* * Q * * *
* * * * * Q *
* Q * * * *
* * * * Q *
* * * * * Q
* * * Q * *
Better board found at column 0 with heuristic : 1
* * * * *
* * * * * Q *
Q * Q * * *
* * * * * Q *
```



```
* Q * * * * *
* * * * Q * * *
* * * * * * * Q
* * * Q * * * *
```

Better board found at column 0 with heuristic : 1

```
* * * * * * *
* * * * * * Q *
* * Q * * * *
* * * * * Q *
* Q * * * * *
* * * * Q * *
Q * * * * * Q
* * * Q * * * *
```

Better board found at column 1 with heuristic : 1

```
* * * * * * *
* * * * * * Q *
* * Q * * * *
* * * * * Q *
* Q * * * * *
* * * * Q * *
Q * * * * * Q
* * * Q * * * *
```

Better board found at column 2 with heuristic : 1

```
* * * * * * *
* * * * * * Q *
* * Q * * * *
* * * * * Q *
* Q * * * * *
* * * * Q * *
Q * * * * * Q
* * * Q * * * *
```

Better board found at column 3 with heuristic : 1

```
* * * Q * * *
* * * * * * Q *
* * Q * * * *
* * * * * Q *
* Q * * * * *
* * * * Q * *
Q * * * * * Q
* * * * * * *
```

Better board found at column 3 with heuristic : 1

```
* * * * * * *
* * * * * * Q *
* * Q * * * *
* * * * * Q *
* Q * * * * *
* * * * Q * *
Q * * * * * Q
* * * Q * * * *
```

Better board found at column 4 with heuristic : 1

```
* * * * * * *
* * * * * * Q *
```

```
* * Q * * * * *
* * * * * Q * *
* Q * * * * *
* * * * Q * * *
Q * * * * * Q
* * * Q * * * *
```

Better board found at column 5 with heuristic : 1

```
* * * * * * *
* * * * * Q *
* * Q * * * *
* * * * Q * *
* Q * * * * *
* * * * Q * *
Q * * * * * Q
* * * Q * * * *
```

Better board found at column 6 with heuristic : 1

```
* * * * * * *
* * * * * Q *
* * Q * * * *
* * * * Q * *
* Q * * * * *
* * * * Q * *
Q * * * * * Q
* * * Q * * * *
```

Better board found at column 7 with heuristic : 1

```
* * * * * * Q
* * * * * Q *
* * Q * * * *
* * * * Q * *
* Q * * * * *
* * * * Q * *
Q * * * * *
* * * Q * * * *
```

Better board found at column 7 with heuristic : 1

```
* * * * * * *
* * * * * Q *
* * Q * * * *
* * * * Q * *
* Q * * * * Q
* * * * Q * *
Q * * * * *
* * * Q * * * *
```

Better board found at column 7 with heuristic : 1

```
* * * * * * *
* * * * * Q *
* * Q * * * *
* * * * Q * *
* Q * * * * *
* * * * Q * *
Q * * * * * Q
* * * Q * * * *
```

Better board found at column 0 with heuristic : 1

```
Q * * * * * * *
* * * * * * Q *
* * Q * * * * *
* * * * * Q * *
* Q * * * * * *
* * * * Q * * *
* * * * * * * Q
* * * Q * * * *
```

Better board found at column 0 with heuristic : 1

```
* * * * * * * *
* * * * * * Q *
Q * Q * * * * *
* * * * * Q * *
* Q * * * * * *
* * * * Q * * *
* * * * * * * Q
* * * Q * * * *
```

Better board found at column 0 with heuristic : 1

```
* * * * * * * *
* * * * * * Q *
* * Q * * * * *
* * * * * Q * *
* Q * * * * * *
* * * * Q * * *
Q * * * * * * Q
* * * Q * * * *
```

Better board found at column 1 with heuristic : 1

```
* * * * * * * *
* * * * * * Q *
* * Q * * * * *
* * * * * Q * *
* Q * * * * * *
* * * * Q * * *
Q * * * * * * Q
* * * Q * * * *
```

Better board found at column 2 with heuristic : 1

```
* * * * * * * *
* * * * * * Q *
* * Q * * * * *
* * * * * Q * *
* Q * * * * * *
* * * * Q * * *
Q * * * * * * Q
* * * Q * * * *
```

Better board found at column 3 with heuristic : 1

```
* * * Q * * * *
* * * * * * Q *
* * Q * * * * *
* * * * * Q * *
* Q * * * * * *
* * * * Q * * *
Q * * * * * * Q
```

\* \* \* \* \*

Better board found at column 3 with heuristic : 1

\* \* \* \* \*

\* \* \* \* \* Q \*

\* \* Q \* \* \* \*

\* \* \* \* \* Q \*

\* Q \* \* \* \* \*

\* \* \* \* \* Q \*

Q \* \* \* \* \* Q

\* \* \* Q \* \* \*

Better board found at column 4 with heuristic : 1

\* \* \* \* \*

\* \* \* \* \* Q \*

\* \* Q \* \* \* \*

\* \* \* \* \* Q \*

\* Q \* \* \* \* \*

\* \* \* \* \* Q \*

Q \* \* \* \* \* Q

\* \* \* Q \* \* \*

Better board found at column 5 with heuristic : 1

\* \* \* \* \*

\* \* \* \* \* Q \*

\* \* Q \* \* \* \*

\* \* \* \* \* Q \*

\* Q \* \* \* \* \*

\* \* \* \* \* Q \*

Q \* \* \* \* \* Q

\* \* \* Q \* \* \*

Better board found at column 6 with heuristic : 1

\* \* \* \* \*

\* \* \* \* \* Q \*

\* \* Q \* \* \* \*

\* \* \* \* \* Q \*

\* Q \* \* \* \* \*

\* \* \* \* \* Q \*

Q \* \* \* \* \* Q

\* \* \* Q \* \* \*

Better board found at column 7 with heuristic : 1

\* \* \* \* \* Q

\* \* \* \* \* Q \*

\* \* Q \* \* \* \*

\* \* \* \* \* Q \*

\* Q \* \* \* \* \*

\* \* \* \* \* Q \*

Q \* \* \* \* \* \*

\* \* \* Q \* \* \*

Better board found at column 7 with heuristic : 1

\* \* \* \* \*

\* \* \* \* \* Q \*

\* \* Q \* \* \* \*

\* \* \* \* \* Q \*

\* Q \* \* \* \* \*

\* \* \* \* Q \* \* \*  
Q \* \* \* \* \* \* \*  
\* \* \* Q \* \* \* \*

Better board found at column 7 with heuristic : 1

\* \* \* \* \* \* \* \*  
\* \* \* \* \* \* Q \*  
\* \* Q \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* Q \* \* \* \* \* \*  
\* \* \* \* Q \* \* \*  
Q \* \* \* \* \* \* Q  
\* \* \* Q \* \* \* \*

Better board found at column 0 with heuristic : 1

Q \* \* \* \* \* \* \*  
\* \* \* \* \* \* Q \*  
\* \* Q \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* Q \* \* \* \* \* \*  
\* \* \* \* Q \* \* \*  
\* \* \* \* \* \* \* Q  
\* \* \* Q \* \* \* \*

Better board found at column 0 with heuristic : 1

\* \* \* \* \* \* \* \*  
\* \* \* \* \* \* Q \*  
Q \* Q \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* Q \* \* \* \* \* \*  
\* \* \* \* Q \* \* \*  
\* \* \* \* \* \* \* Q  
\* \* \* Q \* \* \* \*

Better board found at column 0 with heuristic : 1

\* \* \* \* \* \* \* \*  
\* \* \* \* \* \* Q \*  
\* \* Q \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* Q \* \* \* \* \* \*  
\* \* \* \* Q \* \* \*  
Q \* \* \* \* \* \* Q  
\* \* \* Q \* \* \* \*

Better board found at column 1 with heuristic : 1

\* \* \* \* \* \* \* \*  
\* \* \* \* \* \* Q \*  
\* \* Q \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* Q \* \* \* \* \* \*  
\* \* \* \* Q \* \* \*  
Q \* \* \* \* \* \* Q  
\* \* \* Q \* \* \* \*

Better board found at column 2 with heuristic : 1

\* \* \* \* \* \* \* \*  
\* \* \* \* \* \* Q \*  
\* \* Q \* \* \* \* \*

\* \* \* \* \* Q \* \*  
\* Q \* \* \* \* \*  
\* \* \* \* Q \* \* \*  
Q \* \* \* \* \* Q  
\* \* \* Q \* \* \* \*

Better board found at column 3 with heuristic : 1

\* \* \* Q \* \* \* \*  
\* \* \* \* \* Q \*  
\* \* Q \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* Q \* \* \* \* \* \*  
\* \* \* \* Q \* \* \*  
Q \* \* \* \* \* Q  
\* \* \* \* \* \* \*

Better board found at column 3 with heuristic : 1

\* \* \* \* \* \* \* \*  
\* \* \* \* \* Q \*  
\* \* Q \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* Q \* \* \* \* \* \*  
\* \* \* \* Q \* \* \*  
Q \* \* \* \* \* Q  
\* \* \* Q \* \* \* \*

Better board found at column 4 with heuristic : 1

\* \* \* \* \* \* \* \*  
\* \* \* \* \* Q \*  
\* \* Q \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* Q \* \* \* \* \* \*  
\* \* \* \* Q \* \* \*  
Q \* \* \* \* \* Q  
\* \* \* Q \* \* \* \*

Better board found at column 5 with heuristic : 1

\* \* \* \* \* \* \* \*  
\* \* \* \* \* Q \*  
\* \* Q \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* Q \* \* \* \* \* \*  
\* \* \* \* Q \* \* \*  
Q \* \* \* \* \* Q  
\* \* \* Q \* \* \* \*

Better board found at column 6 with heuristic : 1

\* \* \* \* \* \* \* \*  
\* \* \* \* \* Q \*  
\* \* Q \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* Q \* \* \* \* \* \*  
\* \* \* \* Q \* \* \*  
Q \* \* \* \* \* Q  
\* \* \* Q \* \* \* \*

Better board found at column 7 with heuristic : 1

\* \* \* \* \* \* \* Q

```
* * * * * Q *
* * Q * * * *
* * * * * Q *
* Q * * * * *
* * * * Q * *
Q * * * * *
* * * Q * * *
```

Better board found at column 7 with heuristic : 1

```
* * * * * * *
* * * * * Q *
* * Q * * * *
* * * * * Q *
* Q * * * * Q
* * * * Q * *
Q * * * * *
* * * Q * * *
```

Better board found at column 7 with heuristic : 1

```
* * * * * * *
* * * * * Q *
* * Q * * * *
* * * * * Q *
* Q * * * * *
* * * * Q * *
Q * * * * * Q
* * * Q * * *
```

Better board found at column 0 with heuristic : 1

```
Q * * * * *
* * * * * Q *
* * Q * * * *
* * * * * Q *
* Q * * * * *
* * * * Q * *
* * * * * Q
* * * Q * * *
```

Better board found at column 0 with heuristic : 1

```
* * * * * * *
* * * * * Q *
Q * Q * * * *
* * * * * Q *
* Q * * * * *
* * * * Q * *
* * * * * Q
* * * Q * * *
```

Better board found at column 0 with heuristic : 1

```
* * * * * * *
* * * * * Q *
* * Q * * * *
* * * * * Q *
* Q * * * * *
* * * * Q * *
Q * * * * * Q
* * * Q * * *
```

Better board found at column 1 with heuristic : 1

```
* * * * * * * *
* * * * * * Q *
* * Q * * * * *
* * * * * Q * *
* Q * * * * * *
* * * * * Q * *
Q * * * * * * Q
* * * Q * * * *
```

Better board found at column 2 with heuristic : 1

```
* * * * * * * *
* * * * * * Q *
* * Q * * * * *
* * * * * Q * *
* Q * * * * * *
* * * * * Q * *
Q * * * * * * Q
* * * Q * * * *
```

Better board found at column 3 with heuristic : 1

```
* * * Q * * * *
* * * * * * Q *
* * Q * * * * *
* * * * * Q * *
* Q * * * * * *
* * * * * Q * *
Q * * * * * * Q
* * * * * * * *
```

Better board found at column 3 with heuristic : 1

```
* * * * * * * *
* * * * * * Q *
* * Q * * * * *
* * * * * Q * *
* Q * * * * * *
* * * * * Q * *
Q * * * * * * Q
* * * Q * * * *
```

Better board found at column 4 with heuristic : 1

```
* * * * * * * *
* * * * * * Q *
* * Q * * * * *
* * * * * Q * *
* Q * * * * * *
* * * * * Q * *
Q * * * * * * Q
* * * Q * * * *
```

Better board found at column 5 with heuristic : 1

```
* * * * * * * *
* * * * * * Q *
* * Q * * * * *
* * * * * Q * *
* Q * * * * * *
* * * * * Q * * *
```



```

Q * * * * * Q
* * * Q * * *
Better board found at column 6 with heuristic : 1
* * * * *
* * * * * Q *
* * Q * * *
* * * * * Q *
* Q * * * *
* * * * Q *
Q * * * * * Q
* * * Q * *
Better board found at column 7 with heuristic : 1
* * * * * Q
* * * * * Q *
* * Q * * *
* * * * * Q *
* Q * * * *
* * * * Q *
Q * * * * *
* * * Q * *
Better board found at column 7 with heuristic : 1
* * * * *
* * * * * Q *
* * Q * * *
* * * * * Q *
* Q * * * * Q
* * * * Q *
Q * * * * *
* * * Q * *
Better board found at column 7 with heuristic : 1
* * * * *
* * * * * Q *
* * Q * * *
* * * * * Q *
* Q * * * *
* * * * Q *
Q * * * * * Q
* * * Q * *
Better board found at column 0 with heuristic : 1
Q * * * * *
* * * * * Q *
* * Q * * *
* * * * * Q *
* Q * * * *
* * * * Q *
* * * * * Q
* * * Q * *
Better board found at column 0 with heuristic : 1
* * * * *
* * * * * Q *
Q * Q * * *
* * * * * Q *

```

```
* Q * * * * *
* * * * Q * * *
* * * * * * * Q
* * * Q * * * *
```

Better board found at column 0 with heuristic : 1

```
* * * * * * *
* * * * * * Q *
* * Q * * * *
* * * * * Q * *
* Q * * * * *
* * * * Q * * *
Q * * * * * Q
* * * Q * * * *
```

Better board found at column 1 with heuristic : 1

```
* * * * * * *
* * * * * * Q *
* * Q * * * *
* * * * * Q * *
* Q * * * * *
* * * * Q * * *
Q * * * * * Q
* * * Q * * * *
```

Better board found at column 2 with heuristic : 1

```
* * * * * * *
* * * * * * Q *
* * Q * * * *
* * * * * Q * *
* Q * * * * *
* * * * Q * * *
Q * * * * * Q
* * * Q * * * *
```

Better board found at column 3 with heuristic : 1

```
* * * Q * * *
* * * * * * Q *
* * Q * * * *
* * * * * Q * *
* Q * * * * *
* * * * Q * * *
Q * * * * * Q
* * * * * * *
```

Better board found at column 3 with heuristic : 1

```
* * * * * * *
* * * * * * Q *
* * Q * * * *
* * * * * Q * *
* Q * * * * *
* * * * Q * * *
Q * * * * * Q
* * * Q * * * *
```

Better board found at column 4 with heuristic : 1

```
* * * * * * *
* * * * * * Q *
```

```
* * Q * * * * *
* * * * * Q * *
* Q * * * * *
* * * * Q * * *
Q * * * * * Q
* * * Q * * * *
```

Better board found at column 5 with heuristic : 1

```
* * * * * * *
* * * * * Q *
* * Q * * * *
* * * * Q * *
* Q * * * * *
* * * * Q * *
Q * * * * * Q
* * * Q * * * *
```

Better board found at column 6 with heuristic : 1

```
* * * * * * *
* * * * * Q *
* * Q * * * *
* * * * Q * *
* Q * * * * *
* * * * Q * *
Q * * * * * Q
* * * Q * * * *
```

Better board found at column 7 with heuristic : 1

```
* * * * * * Q
* * * * * Q *
* * Q * * * *
* * * * Q * *
* Q * * * * *
* * * * Q * *
Q * * * * *
* * * Q * * * *
```

Better board found at column 7 with heuristic : 1

```
* * * * * * *
* * * * * Q *
* * Q * * * *
* * * * Q * *
* Q * * * * Q
* * * * Q * *
Q * * * * *
* * * Q * * * *
```

Better board found at column 7 with heuristic : 1

```
* * * * * * *
* * * * * Q *
* * Q * * * *
* * * * Q * *
* Q * * * * *
* * * * Q * *
Q * * * * * Q
* * * Q * * * *
```

Better board found at column 0 with heuristic : 1

```
Q * * * * *
* * * * * Q *
* * Q * * * *
* * * * * Q *
* Q * * * * *
* * * * Q * *
* * * * * * Q
* * * Q * * *
```

Better board found at column 0 with heuristic : 1

```
* * * * *
* * * * * Q *
Q * Q * * * *
* * * * * Q *
* Q * * * * *
* * * * Q * *
* * * * * * Q
* * * Q * * *
```

Better board found at column 0 with heuristic : 1

```
* * * * *
* * * * * Q *
* * Q * * * *
* * * * * Q *
* Q * * * * *
* * * * Q * *
Q * * * * * Q
* * * Q * * *
```

Better board found at column 1 with heuristic : 1

```
* * * * *
* * * * * Q *
* * Q * * * *
* * * * * Q *
* Q * * * * *
* * * * Q * *
Q * * * * * Q
* * * Q * * *
```

Better board found at column 2 with heuristic : 1

```
* * * * *
* * * * * Q *
* * Q * * * *
* * * * * Q *
* Q * * * * *
* * * * Q * *
Q * * * * * Q
* * * Q * * *
```

Better board found at column 3 with heuristic : 1

```
* * * Q * * *
* * * * * Q *
* * Q * * * *
* * * * * Q *
* Q * * * * *
* * * * Q * *
Q * * * * * Q
```

\* \* \* \* \*

Better board found at column 3 with heuristic : 1

\* \* \* \* \*

\* \* \* \* \* Q \*

\* \* Q \* \* \* \*

\* \* \* \* \* Q \*

\* Q \* \* \* \* \*

\* \* \* \* \* Q \*

Q \* \* \* \* \* Q

\* \* \* Q \* \* \*

Better board found at column 4 with heuristic : 1

\* \* \* \* \*

\* \* \* \* \* Q \*

\* \* Q \* \* \* \*

\* \* \* \* \* Q \*

\* Q \* \* \* \* \*

\* \* \* \* \* Q \*

Q \* \* \* \* \* Q

\* \* \* Q \* \* \*

Better board found at column 5 with heuristic : 1

\* \* \* \* \*

\* \* \* \* \* Q \*

\* \* Q \* \* \* \*

\* \* \* \* \* Q \*

\* Q \* \* \* \* \*

\* \* \* \* \* Q \*

Q \* \* \* \* \* Q

\* \* \* Q \* \* \*

Better board found at column 6 with heuristic : 1

\* \* \* \* \*

\* \* \* \* \* Q \*

\* \* Q \* \* \* \*

\* \* \* \* \* Q \*

\* Q \* \* \* \* \*

\* \* \* \* \* Q \*

Q \* \* \* \* \* Q

\* \* \* Q \* \* \*

Better board found at column 7 with heuristic : 1

\* \* \* \* \* Q

\* \* \* \* \* Q \*

\* \* Q \* \* \* \*

\* \* \* \* \* Q \*

\* Q \* \* \* \* \*

\* \* \* \* \* Q \*

Q \* \* \* \* \* Q

\* \* \* Q \* \* \*

Better board found at column 7 with heuristic : 1

\* \* \* \* \*

\* \* \* \* \* Q \*

\* \* Q \* \* \* \*

\* \* \* \* \* Q \*

\* Q \* \* \* \* Q

\* \* \* \* Q \* \* \*  
Q \* \* \* \* \* \* \*  
\* \* \* Q \* \* \* \*

Better board found at column 7 with heuristic : 1

\* \* \* \* \* \* \* \*  
\* \* \* \* \* \* Q \*  
\* \* Q \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* Q \* \* \* \* \* \*  
\* \* \* \* Q \* \* \*  
Q \* \* \* \* \* \* Q  
\* \* \* Q \* \* \* \*

Better board found at column 0 with heuristic : 1

Q \* \* \* \* \* \* \*  
\* \* \* \* \* \* Q \*  
\* \* Q \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* Q \* \* \* \* \* \*  
\* \* \* \* Q \* \* \*  
\* \* \* \* \* \* \* Q  
\* \* \* Q \* \* \* \*

Better board found at column 0 with heuristic : 1

\* \* \* \* \* \* \* \*  
\* \* \* \* \* \* Q \*  
Q \* Q \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* Q \* \* \* \* \* \*  
\* \* \* \* Q \* \* \*  
\* \* \* \* \* \* \* Q  
\* \* \* Q \* \* \* \*

Better board found at column 0 with heuristic : 1

\* \* \* \* \* \* \* \*  
\* \* \* \* \* \* Q \*  
\* \* Q \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* Q \* \* \* \* \* \*  
\* \* \* \* Q \* \* \*  
Q \* \* \* \* \* \* Q  
\* \* \* Q \* \* \* \*

Better board found at column 1 with heuristic : 1

\* \* \* \* \* \* \* \*  
\* \* \* \* \* \* Q \*  
\* \* Q \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* Q \* \* \* \* \* \*  
\* \* \* \* Q \* \* \*  
Q \* \* \* \* \* \* Q  
\* \* \* Q \* \* \* \*

Better board found at column 2 with heuristic : 1

\* \* \* \* \* \* \* \*  
\* \* \* \* \* \* Q \*  
\* \* Q \* \* \* \* \*

\* \* \* \* \* Q \* \*  
\* Q \* \* \* \* \*  
\* \* \* \* Q \* \* \*  
Q \* \* \* \* \* Q  
\* \* \* Q \* \* \* \*

Better board found at column 3 with heuristic : 1

\* \* \* Q \* \* \* \*  
\* \* \* \* \* Q \*  
\* \* Q \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* Q \* \* \* \* \* \*  
\* \* \* \* Q \* \* \*  
Q \* \* \* \* \* Q  
\* \* \* \* \* \* \*

Better board found at column 3 with heuristic : 1

\* \* \* \* \* \* \* \*  
\* \* \* \* \* Q \*  
\* \* Q \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* Q \* \* \* \* \* \*  
\* \* \* \* Q \* \* \*  
Q \* \* \* \* \* Q  
\* \* \* Q \* \* \* \*

Better board found at column 4 with heuristic : 1

\* \* \* \* \* \* \* \*  
\* \* \* \* \* Q \*  
\* \* Q \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* Q \* \* \* \* \* \*  
\* \* \* \* Q \* \* \*  
Q \* \* \* \* \* Q  
\* \* \* Q \* \* \* \*

Better board found at column 5 with heuristic : 1

\* \* \* \* \* \* \* \*  
\* \* \* \* \* Q \*  
\* \* Q \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* Q \* \* \* \* \* \*  
\* \* \* \* Q \* \* \*  
Q \* \* \* \* \* Q  
\* \* \* Q \* \* \* \*

Better board found at column 6 with heuristic : 1

\* \* \* \* \* \* \* \*  
\* \* \* \* \* Q \*  
\* \* Q \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* Q \* \* \* \* \* \*  
\* \* \* \* Q \* \* \*  
Q \* \* \* \* \* Q  
\* \* \* Q \* \* \* \*

Better board found at column 7 with heuristic : 1

\* \* \* \* \* \* \* Q

```
* * * * * Q *
* * Q * * * *
* * * * * Q * *
* Q * * * * *
* * * * Q * * *
Q * * * * *
* * * Q * * * *
```

Better board found at column 7 with heuristic : 1

```
* * * * * * *
* * * * * Q *
* * Q * * * *
* * * * * Q * *
* Q * * * * * Q
* * * * Q * * *
Q * * * * *
* * * Q * * * *
```

Better board found at column 7 with heuristic : 1

```
* * * * * * *
* * * * * Q *
* * Q * * * *
* * * * * Q * *
* Q * * * * *
* * * * Q * * *
Q * * * * * Q
* * * Q * * * *
```

Better board found at column 0 with heuristic : 1

```
Q * * * * *
* * * * * Q *
* * Q * * * *
* * * * * Q * *
* Q * * * * *
* * * * Q * * *
* * * * * * Q
* * * Q * * * *
```

Better board found at column 0 with heuristic : 1

```
* * * * * * *
* * * * * Q *
Q * Q * * * *
* * * * * Q * *
* Q * * * * *
* * * * Q * * *
* * * * * * Q
* * * Q * * * *
```

Better board found at column 0 with heuristic : 1

```
* * * * * * *
* * * * * Q *
* * Q * * * *
* * * * * Q * *
* Q * * * * *
* * * * Q * * *
Q * * * * * Q
* * * Q * * * *
```



Better board found at column 1 with heuristic : 1

```
* * * * * * * *
* * * * * * Q *
* * Q * * * * *
* * * * * Q * *
* Q * * * * * *
* * * * * Q * *
Q * * * * * * Q
* * * Q * * * *
```

Better board found at column 2 with heuristic : 1

```
* * * * * * * *
* * * * * * Q *
* * Q * * * * *
* * * * * Q * *
* Q * * * * * *
* * * * * Q * *
Q * * * * * * Q
* * * Q * * * *
```

Better board found at column 3 with heuristic : 1

```
* * * Q * * * *
* * * * * * Q *
* * Q * * * * *
* * * * * Q * *
* Q * * * * * *
* * * * * Q * *
Q * * * * * * Q
* * * * * * * *
```

Better board found at column 3 with heuristic : 1

```
* * * * * * * *
* * * * * * Q *
* * Q * * * * *
* * * * * Q * *
* Q * * * * * *
* * * * * Q * *
Q * * * * * * Q
* * * Q * * * *
```

Better board found at column 4 with heuristic : 1

```
* * * * * * * *
* * * * * * Q *
* * Q * * * * *
* * * * * Q * *
* Q * * * * * *
* * * * * Q * *
Q * * * * * * Q
* * * Q * * * *
```

Better board found at column 5 with heuristic : 1

```
* * * * * * * *
* * * * * * Q *
* * Q * * * * *
* * * * * Q * *
* Q * * * * * *
* * * * * Q * * *
```

```

Q * * * * * Q
* * * Q * * *
Better board found at column 6 with heuristic : 1
* * * * *
* * * * * Q *
* * Q * * * *
* * * * * Q *
* Q * * * * *
* * * * Q * *
Q * * * * * Q
* * * Q * * *
Better board found at column 7 with heuristic : 1
* * * * * Q
* * * * * Q *
* * Q * * * *
* * * * * Q *
* Q * * * * *
* * * * Q * *
Q * * * * *
* * * Q * * *
Better board found at column 7 with heuristic : 1
* * * * *
* * * * * Q *
* * Q * * * *
* * * * * Q *
* Q * * * * * Q
* * * * Q * *
Q * * * * *
* * * Q * * *
Better board found at column 7 with heuristic : 1
* * * * *
* * * * * Q *
* * Q * * * *
* * * * * Q *
* Q * * * * *
* * * * Q * *
Q * * * * * Q
* * * Q * * *
Better board found at column 0 with heuristic : 1
Q * * * * *
* * * * * Q *
* * Q * * * *
* * * * * Q *
* Q * * * * *
* * * * Q * *
* * * * * Q
* * * Q * * *
Better board found at column 0 with heuristic : 1
* * * * *
* * * * * Q *
Q * Q * * * *
* * * * * Q *

```

```
* Q * * * * *
* * * * Q * * *
* * * * * * * Q
* * * Q * * * *
```

Better board found at column 0 with heuristic : 1

```
* * * * * * *
* * * * * * Q *
* * Q * * * * *
* * * * * Q * *
* Q * * * * * *
* * * * Q * * *
Q * * * * * * Q
* * * Q * * * *
```

Better board found at column 1 with heuristic : 1

```
* * * * * * *
* * * * * * Q *
* * Q * * * * *
* * * * * Q * *
* Q * * * * * *
* * * * Q * * *
Q * * * * * * Q
* * * Q * * * *
```

Better board found at column 2 with heuristic : 1

```
* * * * * * *
* * * * * * Q *
* * Q * * * * *
* * * * * Q * *
* Q * * * * * *
* * * * Q * * *
Q * * * * * * Q
* * * Q * * * *
```

Better board found at column 3 with heuristic : 1

```
* * * Q * * * *
* * * * * * Q *
* * Q * * * * *
* * * * * Q * *
* Q * * * * * *
* * * * Q * * *
Q * * * * * * Q
* * * * * * * *
```

Better board found at column 3 with heuristic : 1

```
* * * * * * *
* * * * * * Q *
* * Q * * * * *
* * * * * Q * *
* Q * * * * * *
* * * * Q * * *
Q * * * * * * Q
* * * Q * * * *
```

Better board found at column 4 with heuristic : 1

```
* * * * * * *
* * * * * * Q *
```

```
* * Q * * * * *
* * * * * Q * *
* Q * * * * *
* * * * Q * * *
Q * * * * * Q
* * * Q * * * *
```

Better board found at column 5 with heuristic : 1

```
* * * * * * *
* * * * * Q *
* * Q * * * *
* * * * Q * *
* Q * * * * *
* * * * Q * *
Q * * * * * Q
* * * Q * * * *
```

Better board found at column 6 with heuristic : 1

```
* * * * * * *
* * * * * Q *
* * Q * * * *
* * * * Q * *
* Q * * * * *
* * * * Q * *
Q * * * * * Q
* * * Q * * * *
```

Better board found at column 7 with heuristic : 1

```
* * * * * * Q
* * * * * Q *
* * Q * * * *
* * * * Q * *
* Q * * * * *
* * * * Q * *
Q * * * * *
* * * Q * * * *
```

Better board found at column 7 with heuristic : 1

```
* * * * * * *
* * * * * Q *
* * Q * * * *
* * * * Q * *
* Q * * * * Q
* * * * Q * *
Q * * * * *
* * * Q * * * *
```

Better board found at column 7 with heuristic : 1

```
* * * * * * *
* * * * * Q *
* * Q * * * *
* * * * Q * *
* Q * * * * *
* * * * Q * *
Q * * * * * Q
* * * Q * * * *
```

Solution Not found...

#Trail 3

```
* * * * * * * *
* * * * * * * Q
* * * * Q Q * *
* * * * * * * *
Q * Q * * * * *
* * * Q * * * *
* Q * * * * * *
* * * * * * Q *
```

The heuristic value of the original board is : 6

Better board found at column 0 with heuristic : 5

```
Q * * * * * * *
* * * * * * * Q
* * * * Q Q * *
* * * * * * * *
* * Q * * * * *
* * * Q * * * *
* Q * * * * * *
* * * * * * Q *
```

Better board found at column 0 with heuristic : 5

```
* * * * * * * *
* * * * * * * Q
* * * * Q Q * *
Q * * * * * * *
* * Q * * * * *
* * * Q * * * *
* Q * * * * * *
* * * * * * Q *
```

Better board found at column 1 with heuristic : 4

```
* Q * * * * * *
* * * * * * * Q
* * * * Q Q * *
Q * * * * * * *
* * Q * * * * *
* * * Q * * * *
* * * * * * * *
* * * * * * Q *
```

Better board found at column 2 with heuristic : 4

```
* Q Q * * * * *
* * * * * * * Q
* * * * Q Q * *
Q * * * * * * *
* * * * * * * *
* * * Q * * * *
* * * * * * * *
* * * * * * Q *
```

Better board found at column 2 with heuristic : 4

```
* Q * * * * * *
* * * * * * * Q
* * Q * Q Q * *
Q * * * * * * *
* * * * * * * *
```

\* \* \* Q \* \* \* \*  
\* \* \* \* \* \* \* \*  
\* \* \* \* \* \* Q \*

Better board found at column 2 with heuristic : 4

\* Q \* \* \* \* \* \*  
\* \* \* \* \* \* \* Q  
\* \* \* \* Q Q \* \*  
Q \* Q \* \* \* \* \*  
\* \* \* \* \* \* \* \*  
\* \* \* Q \* \* \* \*  
\* \* \* \* \* \* \* \*  
\* \* \* \* \* \* Q \*

Better board found at column 2 with heuristic : 4

\* Q \* \* \* \* \* \*  
\* \* \* \* \* \* \* Q  
\* \* \* \* Q Q \* \*  
Q \* \* \* \* \* \* \*  
\* \* Q \* \* \* \* \*  
\* \* \* Q \* \* \* \*  
\* \* \* \* \* \* \* \*  
\* \* \* \* \* \* Q \*

Better board found at column 2 with heuristic : 4

\* Q \* \* \* \* \* \*  
\* \* \* \* \* \* \* Q  
\* \* \* \* Q Q \* \*  
Q \* \* \* \* \* \* \*  
\* \* \* \* \* \* \* \*  
\* \* \* Q \* \* \* \*  
\* \* Q \* \* \* \* \*  
\* \* \* \* \* \* Q \*

Better board found at column 2 with heuristic : 3

\* Q \* \* \* \* \* \*  
\* \* \* \* \* \* \* Q  
\* \* \* \* Q Q \* \*  
Q \* \* \* \* \* \* \*  
\* \* \* \* \* \* \* \*  
\* \* \* Q \* \* \* \*  
\* \* \* \* \* \* \* \*  
\* \* Q \* \* \* \* Q \*

Better board found at column 3 with heuristic : 3

\* Q \* \* \* \* \* \*  
\* \* \* \* \* \* \* Q  
\* \* \* \* Q Q \* \*  
Q \* \* \* \* \* \* \*  
\* \* \* \* \* \* \* \*  
\* \* \* Q \* \* \* \*  
\* \* \* \* \* \* \* \*  
\* \* Q \* \* \* \* Q \*

Better board found at column 4 with heuristic : 3

\* Q \* \* Q \* \* \*  
\* \* \* \* \* \* \* Q  
\* \* \* \* \* Q \* \*

Q \* \* \* \* \*  
\* \* \* \* \*  
\* \* \* Q \* \* \*  
\* \* \* \* \*  
\* \* Q \* \* \* Q \*

Better board found at column 4 with heuristic : 3

\* Q \* \* \* \* \*  
\* \* \* \* \* Q  
\* \* \* \* Q Q \* \*  
Q \* \* \* \* \*  
\* \* \* \* \*  
\* \* \* Q \* \* \*  
\* \* \* \* \*  
\* \* Q \* \* \* Q \*

Better board found at column 4 with heuristic : 3

\* Q \* \* \* \* \*  
\* \* \* \* \* Q  
\* \* \* \* \* Q \* \*  
Q \* \* \* \* \*  
\* \* \* \* \*  
\* \* \* Q \* \* \*  
\* \* \* \* Q \* \* \*  
\* \* Q \* \* \* Q \*

Better board found at column 5 with heuristic : 3

\* Q \* \* \* \* \*  
\* \* \* \* \* Q  
\* \* \* \* \* Q \* \*  
Q \* \* \* \* \*  
\* \* \* \* \*  
\* \* \* Q \* \* \*  
\* \* \* \* Q \* \* \*  
\* \* Q \* \* \* Q \*

Better board found at column 6 with heuristic : 3

\* Q \* \* \* \* \*  
\* \* \* \* \* Q  
\* \* \* \* \* Q \* \*  
Q \* \* \* \* \*  
\* \* \* \* \* Q \*  
\* \* \* Q \* \* \*  
\* \* \* \* Q \* \* \*  
\* \* Q \* \* \* \* \*

Better board found at column 6 with heuristic : 3

\* Q \* \* \* \* \*  
\* \* \* \* \* Q  
\* \* \* \* \* Q \* \*  
Q \* \* \* \* \*  
\* \* \* \* \*  
\* \* \* Q \* \* \*  
\* \* \* \* Q \* Q \*  
\* \* Q \* \* \* \* \*

Better board found at column 6 with heuristic : 3

\* Q \* \* \* \* \*

```
* * * * * * * Q
* * * * * Q * *
Q * * * * * * *
* * * * * * * *
* * * Q * * * *
* * * * Q * * *
* * Q * * * Q *
```

Better board found at column 7 with heuristic : 3

```
* Q * * * * * *
* * * * * * * Q
* * * * * Q * *
Q * * * * * * *
* * * * * * * *
* * * Q * * * *
* * * * Q * * *
* * Q * * * Q *
```

Better board found at column 7 with heuristic : 3

```
* Q * * * * * *
* * * * * * * *
* * * * * Q * *
Q * * * * * * *
* * * * * * * Q
* * * Q * * * *
* * * * Q * * *
* * Q * * * Q *
```

Better board found at column 7 with heuristic : 3

```
* Q * * * * * *
* * * * * * * *
* * * * * Q * *
Q * * * * * * *
* * * * * * * *
* * * Q * * * Q
* * * * Q * * *
* * Q * * * Q *
```

Better board found at column 0 with heuristic : 3

```
* Q * * * * * *
* * * * * * * *
* * * * * Q * *
Q * * * * * * *
* * * * * * * *
* * * Q * * * Q
* * * * Q * * *
* * Q * * * Q *
```

Better board found at column 0 with heuristic : 3

```
* Q * * * * * *
* * * * * * * *
* * * * * Q * *
* * * * * * * *
Q * * * * * * *
* * * Q * * * Q
* * * * Q * * *
* * Q * * * Q *
```



Better board found at column 1 with heuristic : 3

```
* * * * * * * *
* Q * * * * * *
* * * * * Q * *
* * * * * * * *
Q * * * * * * *
* * * Q * * * Q
* * * * Q * * *
* * Q * * * Q *
```

Better board found at column 2 with heuristic : 3

```
* * * * * * * *
* Q Q * * * * *
* * * * * Q * *
* * * * * * * *
Q * * * * * * *
* * * Q * * * Q
* * * * Q * * *
* * * * * * Q *
```

Better board found at column 2 with heuristic : 3

```
* * * * * * * *
* Q * * * * * *
* * * * * Q * *
* * Q * * * * *
Q * * * * * * *
* * * Q * * * Q
* * * * Q * * *
* * * * * * Q *
```

Better board found at column 2 with heuristic : 3

```
* * * * * * * *
* Q * * * * * *
* * * * * Q * *
* * * * * * * *
Q * * * * * * *
* * * Q * * * Q
* * * * Q * * *
* * Q * * * Q *
```

Better board found at column 3 with heuristic : 2

```
* * * Q * * * *
* Q * * * * * *
* * * * * Q * *
* * * * * * * *
Q * * * * * * *
* * * * * * * Q
* * * * Q * * *
* * Q * * * Q *
```

Better board found at column 3 with heuristic : 2

```
* * * * * * * *
* Q * * * * * *
* * * Q * Q * *
* * * * * * * *
Q * * * * * * *
* * * * * * * Q
```

\* \* \* \* Q \* \* \*

\* \* Q \* \* \* Q \*

Better board found at column 3 with heuristic : 2

\* \* \* \* \* \* \* \*

\* Q \* \* \* \* \* \*

\* \* \* \* \* Q \* \*

\* \* \* Q \* \* \* \*

Q \* \* \* \* \* \* \*

\* \* \* \* \* \* \* Q

\* \* \* \* Q \* \* \*

\* \* Q \* \* \* Q \*

Better board found at column 4 with heuristic : 2

\* \* \* \* \* \* \* \*

\* Q \* \* \* \* \* \*

\* \* \* \* \* Q \* \*

\* \* \* Q \* \* \* \*

Q \* \* \* \* \* \* \*

\* \* \* \* \* \* \* Q

\* \* \* \* Q \* \* \*

\* \* Q \* \* \* Q \*

Better board found at column 5 with heuristic : 2

\* \* \* \* \* Q \* \*

\* Q \* \* \* \* \* \*

\* \* \* \* \* \* \* \*

\* \* \* Q \* \* \* \*

Q \* \* \* \* \* \* \*

\* \* \* \* \* \* \* Q

\* \* \* \* Q \* \* \*

\* \* Q \* \* \* Q \*

Better board found at column 5 with heuristic : 2

\* \* \* \* \* \* \* \*

\* Q \* \* \* \* \* \*

\* \* \* \* \* Q \* \*

\* \* \* Q \* \* \* \*

Q \* \* \* \* \* \* \*

\* \* \* \* \* \* \* Q

\* \* \* \* Q \* \* \*

\* \* Q \* \* \* Q \*

Better board found at column 6 with heuristic : 2

\* \* \* \* \* \* Q \*

\* Q \* \* \* \* \* \*

\* \* \* \* \* Q \* \*

\* \* \* Q \* \* \* \*

Q \* \* \* \* \* \* \*

\* \* \* \* \* \* \* Q

\* \* \* \* Q \* \* \*

\* \* Q \* \* \* \* \*

Better board found at column 6 with heuristic : 2

\* \* \* \* \* \* \* \*

\* Q \* \* \* \* \* \*

\* \* \* \* \* Q Q \*

\* \* \* Q \* \* \* \*

Q \* \* \* \* \*  
\* \* \* \* \* Q  
\* \* \* \* Q \* \* \*  
\* \* Q \* \* \* \* \*

Better board found at column 6 with heuristic : 2

\* \* \* \* \*  
\* Q \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* \* \* Q \* \* \* \*  
Q \* \* \* \* \*  
\* \* \* \* \* Q Q  
\* \* \* \* Q \* \* \*  
\* \* Q \* \* \* \* \*

Better board found at column 6 with heuristic : 2

\* \* \* \* \*  
\* Q \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* \* \* Q \* \* \* \*  
Q \* \* \* \* \*  
\* \* \* \* \* Q  
\* \* \* \* Q \* \* \*  
\* \* Q \* \* \* Q \*

Better board found at column 7 with heuristic : 2

\* \* \* \* \*  
\* Q \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* \* \* Q \* \* \* \*  
Q \* \* \* \* \*  
\* \* \* \* \* Q  
\* \* \* \* Q \* \* \*  
\* \* Q \* \* \* Q \*

Better board found at column 0 with heuristic : 2

\* \* \* \* \*  
\* Q \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* \* \* Q \* \* \* \*  
Q \* \* \* \* \*  
\* \* \* \* \* Q  
\* \* \* \* Q \* \* \*  
\* \* Q \* \* \* Q \*

Better board found at column 1 with heuristic : 1

\* Q \* \* \* \* \*  
\* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* \* \* Q \* \* \* \*  
Q \* \* \* \* \*  
\* \* \* \* \* Q  
\* \* \* \* Q \* \* \*  
\* \* Q \* \* \* Q \*

Better board found at column 2 with heuristic : 1

\* Q \* \* \* \* \*  
\* \* Q \* \* \* \* \*

\* \* \* \* \* Q \* \*  
\* \* \* Q \* \* \* \*  
Q \* \* \* \* \* \* \*  
\* \* \* \* \* \* \* Q  
\* \* \* \* Q \* \* \*  
\* \* \* \* \* \* Q \*

Better board found at column 2 with heuristic : 1

\* Q \* \* \* \* \* \*  
\* \* \* \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* \* \* Q \* \* \* \*  
Q \* \* \* \* \* \* \*  
\* \* \* \* \* \* \* Q  
\* \* \* \* Q \* \* \*  
\* \* Q \* \* \* Q \*

Better board found at column 3 with heuristic : 1

\* Q \* \* \* \* \* \*  
\* \* \* \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* \* \* Q \* \* \* \*  
Q \* \* \* \* \* \* \*  
\* \* \* \* \* \* \* Q  
\* \* \* \* Q \* \* \*  
\* \* Q \* \* \* Q \*

Better board found at column 4 with heuristic : 1

\* Q \* \* \* \* \* \*  
\* \* \* \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* \* \* Q \* \* \* \*  
Q \* \* \* \* \* \* \*  
\* \* \* \* \* \* \* Q  
\* \* \* \* Q \* \* \*  
\* \* Q \* \* \* Q \*

Better board found at column 5 with heuristic : 1

\* Q \* \* \* \* \* \*  
\* \* \* \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* \* \* Q \* \* \* \*  
Q \* \* \* \* \* \* \*  
\* \* \* \* \* \* \* Q  
\* \* \* \* Q \* \* \*  
\* \* Q \* \* \* Q \*

Better board found at column 6 with heuristic : 1

\* Q \* \* \* \* \* \*  
\* \* \* \* \* \* Q \*  
\* \* \* \* \* Q \* \*  
\* \* \* Q \* \* \* \*  
Q \* \* \* \* \* \* \*  
\* \* \* \* \* \* \* Q  
\* \* \* \* Q \* \* \*  
\* \* Q \* \* \* \* \*

Better board found at column 6 with heuristic : 1

```
* Q * * * * *
* * * * *
* * * * * Q Q *
* * * Q * * *
Q * * * * *
* * * * * * Q
* * * * Q * *
* * Q * * * *
```

Better board found at column 6 with heuristic : 1

```
* Q * * * * *
* * * * *
* * * * * Q *
* * * Q * * *
Q * * * * *
* * * * * * Q
* * * * Q * *
* * Q * * * Q *
```

Better board found at column 7 with heuristic : 1

```
* Q * * * * *
* * * * * * Q
* * * * * Q *
* * * Q * * *
Q * * * * *
* * * * *
* * * * Q * *
* * Q * * * Q *
```

Better board found at column 7 with heuristic : 1

```
* Q * * * * *
* * * * *
* * * * * Q *
* * * Q * * *
Q * * * * *
* * * * * * Q
* * * * Q * *
* * Q * * * Q *
```

Better board found at column 0 with heuristic : 1

```
* Q * * * * *
* * * * *
* * * * * Q *
* * * Q * * *
Q * * * * *
* * * * * * Q
* * * * Q * *
* * Q * * * Q *
```

Better board found at column 2 with heuristic : 1

```
* Q * * * * *
* * Q * * * *
* * * * * Q *
* * * Q * * *
Q * * * * *
* * * * * * Q
* * * * Q * * *
```

\* \* \* \* \* Q \*

Better board found at column 2 with heuristic : 1

\* Q \* \* \* \* \*

\* \* \* \* \* \* \*

\* \* \* \* \* Q \* \*

\* \* \* Q \* \* \* \*

Q \* \* \* \* \* \*

\* \* \* \* \* \* Q

\* \* \* \* Q \* \* \*

\* \* Q \* \* \* Q \*

Better board found at column 3 with heuristic : 1

\* Q \* \* \* \* \*

\* \* \* \* \* \* \*

\* \* \* \* \* Q \* \*

\* \* \* Q \* \* \* \*

Q \* \* \* \* \* \*

\* \* \* \* \* \* Q

\* \* \* \* Q \* \* \*

\* \* Q \* \* \* Q \*

Better board found at column 4 with heuristic : 1

\* Q \* \* \* \* \*

\* \* \* \* \* \* \*

\* \* \* \* \* Q \* \*

\* \* \* Q \* \* \* \*

Q \* \* \* \* \* \*

\* \* \* \* \* \* Q

\* \* \* \* Q \* \* \*

\* \* Q \* \* \* Q \*

Better board found at column 5 with heuristic : 1

\* Q \* \* \* \* \*

\* \* \* \* \* \* \*

\* \* \* \* \* Q \* \*

\* \* \* Q \* \* \* \*

Q \* \* \* \* \* \*

\* \* \* \* \* \* Q

\* \* \* \* Q \* \* \*

\* \* Q \* \* \* Q \*

Better board found at column 6 with heuristic : 1

\* Q \* \* \* \* \*

\* \* \* \* \* Q \*

\* \* \* \* \* Q \* \*

\* \* \* Q \* \* \* \*

Q \* \* \* \* \* \*

\* \* \* \* \* \* Q

\* \* \* \* Q \* \* \*

\* \* Q \* \* \* \* \*

Better board found at column 6 with heuristic : 1

\* Q \* \* \* \* \*

\* \* \* \* \* \* \*

\* \* \* \* \* Q Q \*

\* \* \* Q \* \* \* \*

Q \* \* \* \* \* \*

\* \* \* \* \* \* \* Q  
\* \* \* \* Q \* \* \*  
\* \* Q \* \* \* \* \*

Better board found at column 6 with heuristic : 1

\* Q \* \* \* \* \* \*  
\* \* \* \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* \* \* Q \* \* \* \*  
Q \* \* \* \* \* \* \*  
\* \* \* \* \* \* \* Q  
\* \* \* \* Q \* \* \*  
\* \* Q \* \* \* Q \*

Better board found at column 7 with heuristic : 1

\* Q \* \* \* \* \* \*  
\* \* \* \* \* \* \* Q  
\* \* \* \* \* Q \* \*  
\* \* \* Q \* \* \* \*  
Q \* \* \* \* \* \* \*  
\* \* \* \* \* \* \* \*  
\* \* \* \* Q \* \* \*  
\* \* Q \* \* \* Q \*

Better board found at column 7 with heuristic : 1

\* Q \* \* \* \* \* \*  
\* \* \* \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* \* \* Q \* \* \* \*  
Q \* \* \* \* \* \* \*  
\* \* \* \* \* \* \* Q  
\* \* \* \* Q \* \* \*  
\* \* Q \* \* \* Q \*

Better board found at column 0 with heuristic : 1

\* Q \* \* \* \* \* \*  
\* \* \* \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* \* \* Q \* \* \* \*  
Q \* \* \* \* \* \* \*  
\* \* \* \* \* \* \* Q  
\* \* \* \* Q \* \* \*  
\* \* Q \* \* \* Q \*

Better board found at column 2 with heuristic : 1

\* Q \* \* \* \* \* \*  
\* \* Q \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* \* \* Q \* \* \* \*  
Q \* \* \* \* \* \* \*  
\* \* \* \* \* \* \* Q  
\* \* \* \* Q \* \* \*  
\* \* \* \* \* Q \*

Better board found at column 2 with heuristic : 1

\* Q \* \* \* \* \* \*  
\* \* \* \* \* \* \* \*  
\* \* \* \* \* Q \* \*

\* \* \* Q \* \* \* \*  
Q \* \* \* \* \* \* \*  
\* \* \* \* \* \* \* Q  
\* \* \* \* Q \* \* \*  
\* \* Q \* \* \* Q \*

Better board found at column 3 with heuristic : 1

\* Q \* \* \* \* \* \*  
\* \* \* \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* \* \* Q \* \* \* \*  
Q \* \* \* \* \* \* \*  
\* \* \* \* \* \* \* Q  
\* \* \* \* Q \* \* \*  
\* \* Q \* \* \* Q \*

Better board found at column 4 with heuristic : 1

\* Q \* \* \* \* \* \*  
\* \* \* \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* \* \* Q \* \* \* \*  
Q \* \* \* \* \* \* \*  
\* \* \* \* \* \* \* Q  
\* \* \* \* Q \* \* \*  
\* \* Q \* \* \* Q \*

Better board found at column 5 with heuristic : 1

\* Q \* \* \* \* \* \*  
\* \* \* \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* \* \* Q \* \* \* \*  
Q \* \* \* \* \* \* \*  
\* \* \* \* \* \* \* Q  
\* \* \* \* Q \* \* \*  
\* \* Q \* \* \* Q \*

Better board found at column 6 with heuristic : 1

\* Q \* \* \* \* \* \*  
\* \* \* \* \* \* Q \*  
\* \* \* \* \* Q \* \*  
\* \* \* Q \* \* \* \*  
Q \* \* \* \* \* \* \*  
\* \* \* \* \* \* \* Q  
\* \* \* \* Q \* \* \*  
\* \* Q \* \* \* \* \*

Better board found at column 6 with heuristic : 1

\* Q \* \* \* \* \* \*  
\* \* \* \* \* \* \* \*  
\* \* \* \* \* Q Q \*  
\* \* \* Q \* \* \* \*  
Q \* \* \* \* \* \* \*  
\* \* \* \* \* \* \* Q  
\* \* \* \* Q \* \* \*  
\* \* Q \* \* \* \* \*

Better board found at column 6 with heuristic : 1

\* Q \* \* \* \* \* \*



```
* * * * *
* * * * * Q *
* * * Q * * *
Q * * * * *
* * * * * Q
* * * * Q * *
* * Q * * * Q *
```

Better board found at column 7 with heuristic : 1

```
* Q * * * * *
* * * * * Q
* * * * * Q *
* * * Q * * *
Q * * * * *
* * * * *
* * * * Q * *
* * Q * * * Q *
```

Better board found at column 7 with heuristic : 1

```
* Q * * * * *
* * * * *
* * * * * Q *
* * * Q * * *
Q * * * * *
* * * * * Q
* * * * Q * *
* * Q * * * Q *
```

Better board found at column 0 with heuristic : 1

```
* Q * * * * *
* * * * *
* * * * * Q *
* * * Q * * *
Q * * * * *
* * * * * Q
* * * * Q * *
* * Q * * * Q *
```

Better board found at column 2 with heuristic : 1

```
* Q * * * * *
* * Q * * * *
* * * * * Q *
* * * Q * * *
Q * * * * *
* * * * * Q
* * * * Q * *
* * * * * Q *
```

Better board found at column 2 with heuristic : 1

```
* Q * * * * *
* * * * *
* * * * * Q *
* * * Q * * *
Q * * * * *
* * * * * Q
* * * * Q * *
* * Q * * * Q *
```

Better board found at column 3 with heuristic : 1

```
* Q * * * * *
* * * * *
* * * * * Q *
* * * Q * * *
Q * * * * *
* * * * * * Q
* * * * Q * *
* * Q * * * Q *
```

Better board found at column 4 with heuristic : 1

```
* Q * * * * *
* * * * *
* * * * * Q *
* * * Q * * *
Q * * * * *
* * * * * * Q
* * * * Q * *
* * Q * * * Q *
```

Better board found at column 5 with heuristic : 1

```
* Q * * * * *
* * * * *
* * * * * Q *
* * * Q * * *
Q * * * * *
* * * * * * Q
* * * * Q * *
* * Q * * * Q *
```

Better board found at column 6 with heuristic : 1

```
* Q * * * * *
* * * * * Q *
* * * * * Q *
* * * Q * * *
Q * * * * *
* * * * * * Q
* * * * Q * *
* * Q * * * *
```

Better board found at column 6 with heuristic : 1

```
* Q * * * * *
* * * * *
* * * * * Q Q *
* * * Q * * *
Q * * * * *
* * * * * * Q
* * * * Q * *
* * Q * * * *
```

Better board found at column 6 with heuristic : 1

```
* Q * * * * *
* * * * *
* * * * * Q *
* * * Q * * *
Q * * * * *
* * * * * * Q
```

```

* * * * Q * * *
* * Q * * * Q *
Better board found at column 7 with heuristic : 1
* Q * * * * * *
* * * * * * * Q
* * * * * Q * *
* * * Q * * * *
Q * * * * * * *
* * * * * * * *
* * * * Q * * *
* * Q * * * Q *
Better board found at column 7 with heuristic : 1
* Q * * * * * *
* * * * * * * *
* * * * * Q * *
* * * Q * * * *
Q * * * * * * *
* * * * * * * Q
* * * * Q * * *
* * Q * * * Q *
Better board found at column 0 with heuristic : 1
* Q * * * * * *
* * * * * * * *
* * * * * Q * *
* * * Q * * * *
Q * * * * * * *
* * * * * * * Q
* * * * Q * * *
* * Q * * * Q *
Better board found at column 2 with heuristic : 1
* Q * * * * * *
* * Q * * * * *
* * * * * Q * *
* * * Q * * * *
Q * * * * * * *
* * * * * * * Q
* * * * Q * * *
* * * * * * Q *
Better board found at column 2 with heuristic : 1
* Q * * * * * *
* * * * * * * *
* * * * * Q * *
* * * Q * * * *
Q * * * * * * *
* * * * * * * Q
* * * * Q * * *
* * Q * * * Q *
Better board found at column 3 with heuristic : 1
* Q * * * * * *
* * * * * * * *
* * * * * Q * *
* * * Q * * * *

```

Q \* \* \* \* \*  
\* \* \* \* \* Q  
\* \* \* \* Q \* \* \*  
\* \* Q \* \* \* Q \*

Better board found at column 4 with heuristic : 1

\* Q \* \* \* \* \*  
\* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* \* \* Q \* \* \* \*  
Q \* \* \* \* \*  
\* \* \* \* \* Q  
\* \* \* \* Q \* \* \*  
\* \* Q \* \* \* Q \*

Better board found at column 5 with heuristic : 1

\* Q \* \* \* \* \*  
\* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* \* \* Q \* \* \* \*  
Q \* \* \* \* \*  
\* \* \* \* \* Q  
\* \* \* \* Q \* \* \*  
\* \* Q \* \* \* Q \*

Better board found at column 6 with heuristic : 1

\* Q \* \* \* \* \*  
\* \* \* \* \* Q \*  
\* \* \* \* \* Q \* \*  
\* \* \* Q \* \* \* \*  
Q \* \* \* \* \*  
\* \* \* \* \* Q  
\* \* \* \* Q \* \* \*  
\* \* Q \* \* \* \* \*

Better board found at column 6 with heuristic : 1

\* Q \* \* \* \* \*  
\* \* \* \* \*  
\* \* \* \* \* Q Q \*  
\* \* \* Q \* \* \* \*  
Q \* \* \* \* \*  
\* \* \* \* \* Q  
\* \* \* \* Q \* \* \*  
\* \* Q \* \* \* \* \*

Better board found at column 6 with heuristic : 1

\* Q \* \* \* \* \*  
\* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* \* \* Q \* \* \* \*  
Q \* \* \* \* \*  
\* \* \* \* \* Q  
\* \* \* \* Q \* \* \*  
\* \* Q \* \* \* Q \*

Better board found at column 7 with heuristic : 1

\* Q \* \* \* \* \*  
\* \* \* \* \* Q

```
* * * * * Q * *
* * * Q * * * *
Q * * * * * * *
* * * * * * * *
* * * * Q * * *
* * Q * * * Q *
```

Better board found at column 7 with heuristic : 1

```
* Q * * * * * *
* * * * * * * *
* * * * * Q * *
* * * Q * * * *
Q * * * * * * *
* * * * * * * Q
* * * * Q * * *
* * Q * * * Q *
```

Better board found at column 0 with heuristic : 1

```
* Q * * * * * *
* * * * * * * *
* * * * * Q * *
* * * Q * * * *
Q * * * * * * *
* * * * * * * Q
* * * * Q * * *
* * Q * * * Q *
```

Better board found at column 2 with heuristic : 1

```
* Q * * * * * *
* * Q * * * * *
* * * * * Q * *
* * * Q * * * *
Q * * * * * * *
* * * * * * * Q
* * * * Q * * *
* * * * * * Q *
```

Better board found at column 2 with heuristic : 1

```
* Q * * * * * *
* * * * * * * *
* * * * * Q * *
* * * Q * * * *
Q * * * * * * *
* * * * * * * Q
* * * * Q * * *
* * Q * * * Q *
```

Better board found at column 3 with heuristic : 1

```
* Q * * * * * *
* * * * * * * *
* * * * * Q * *
* * * Q * * * *
Q * * * * * * *
* * * * * * * Q
* * * * Q * * *
* * Q * * * Q *
```

Better board found at column 4 with heuristic : 1

```
* Q * * * * *
* * * * *
* * * * * Q *
* * * Q * * *
Q * * * * *
* * * * * * Q
* * * * Q * *
* * Q * * * Q *
```

Better board found at column 5 with heuristic : 1

```
* Q * * * * *
* * * * * *
* * * * * Q *
* * * Q * * *
Q * * * * *
* * * * * * Q
* * * * Q * *
* * Q * * * Q *
```

Better board found at column 6 with heuristic : 1

```
* Q * * * * *
* * * * * * Q
* * * * * Q *
* * * Q * * *
Q * * * * *
* * * * * * Q
* * * * Q * *
* * Q * * * *
```

Better board found at column 6 with heuristic : 1

```
* Q * * * * *
* * * * * *
* * * * * Q Q
* * * Q * * *
Q * * * * *
* * * * * * Q
* * * * Q * *
* * Q * * * *
```

Better board found at column 6 with heuristic : 1

```
* Q * * * * *
* * * * * *
* * * * * Q *
* * * Q * * *
Q * * * * *
* * * * * * Q
* * * * Q * *
* * Q * * * Q *
```

Better board found at column 7 with heuristic : 1

```
* Q * * * * *
* * * * * * Q
* * * * * Q *
* * * Q * * *
Q * * * * *
* * * * * *
* * * * Q * * *
```

\* \* Q \* \* \* Q \*

Better board found at column 7 with heuristic : 1

\* Q \* \* \* \* \*

\* \* \* \* \* \*

\* \* \* \* \* Q \* \*

\* \* \* Q \* \* \* \*

Q \* \* \* \* \* \*

\* \* \* \* \* \* Q

\* \* \* \* Q \* \* \*

\* \* Q \* \* \* Q \*

Better board found at column 0 with heuristic : 1

\* Q \* \* \* \* \*

\* \* \* \* \* \*

\* \* \* \* \* Q \* \*

\* \* \* Q \* \* \* \*

Q \* \* \* \* \* \*

\* \* \* \* \* \* Q

\* \* \* \* Q \* \* \*

\* \* Q \* \* \* Q \*

Better board found at column 2 with heuristic : 1

\* Q \* \* \* \* \*

\* \* Q \* \* \* \* \*

\* \* \* \* \* Q \* \*

\* \* \* Q \* \* \* \*

Q \* \* \* \* \* \*

\* \* \* \* \* \* Q

\* \* \* \* Q \* \* \*

\* \* \* \* \* Q \*

Better board found at column 2 with heuristic : 1

\* Q \* \* \* \* \*

\* \* \* \* \* \*

\* \* \* \* \* Q \* \*

\* \* \* Q \* \* \* \*

Q \* \* \* \* \* \*

\* \* \* \* \* \* Q

\* \* \* \* Q \* \* \*

\* \* Q \* \* \* Q \*

Better board found at column 3 with heuristic : 1

\* Q \* \* \* \* \*

\* \* \* \* \* \*

\* \* \* \* \* Q \* \*

\* \* \* Q \* \* \* \*

Q \* \* \* \* \* \*

\* \* \* \* \* \* Q

\* \* \* \* Q \* \* \*

\* \* Q \* \* \* Q \*

Better board found at column 4 with heuristic : 1

\* Q \* \* \* \* \*

\* \* \* \* \* \*

\* \* \* \* \* Q \* \*

\* \* \* Q \* \* \* \*

Q \* \* \* \* \* \*

\* \* \* \* \* \* \* Q  
\* \* \* \* Q \* \* \*  
\* \* Q \* \* \* Q \*

Better board found at column 5 with heuristic : 1

\* Q \* \* \* \* \* \*  
\* \* \* \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* \* \* Q \* \* \* \*  
Q \* \* \* \* \* \* \*  
\* \* \* \* \* \* \* Q  
\* \* \* \* Q \* \* \*  
\* \* Q \* \* \* Q \*

Better board found at column 6 with heuristic : 1

\* Q \* \* \* \* \* \*  
\* \* \* \* \* \* Q \*  
\* \* \* \* \* Q \* \*  
\* \* \* Q \* \* \* \*  
Q \* \* \* \* \* \* \*  
\* \* \* \* \* \* \* Q  
\* \* \* \* Q \* \* \*  
\* \* Q \* \* \* \* \*

Better board found at column 6 with heuristic : 1

\* Q \* \* \* \* \* \*  
\* \* \* \* \* \* \* \*  
\* \* \* \* \* Q Q \*  
\* \* \* Q \* \* \* \*  
Q \* \* \* \* \* \* \*  
\* \* \* \* \* \* \* Q  
\* \* \* \* Q \* \* \*  
\* \* Q \* \* \* \* \*

Better board found at column 6 with heuristic : 1

\* Q \* \* \* \* \* \*  
\* \* \* \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* \* \* Q \* \* \* \*  
Q \* \* \* \* \* \* \*  
\* \* \* \* \* \* \* Q  
\* \* \* \* Q \* \* \*  
\* \* Q \* \* \* Q \*

Better board found at column 7 with heuristic : 1

\* Q \* \* \* \* \* \*  
\* \* \* \* \* \* \* Q  
\* \* \* \* \* Q \* \*  
\* \* \* Q \* \* \* \*  
Q \* \* \* \* \* \* \*  
\* \* \* \* \* \* \* \*  
\* \* \* \* Q \* \* \*  
\* \* Q \* \* \* Q \*

Better board found at column 7 with heuristic : 1

\* Q \* \* \* \* \* \*  
\* \* \* \* \* \* \* \*  
\* \* \* \* \* Q \* \*



```
* * * Q * * * *
Q * * * * * * *
* * * * * * * Q
* * * * Q * * *
* * Q * * * Q *
```

Better board found at column 0 with heuristic : 1

```
* Q * * * * * *
* * * * * * *
* * * * * Q * *
* * * Q * * * *
Q * * * * * * *
* * * * * * * Q
* * * * Q * * *
* * Q * * * Q *
```

Better board found at column 2 with heuristic : 1

```
* Q * * * * * *
* * Q * * * * *
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* * * Q * * * *
Q * * * * * * *
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```

Better board found at column 2 with heuristic : 1

```
* Q * * * * * *
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Q * * * * * * *
* * * * * * * Q
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* * Q * * * Q *
```

Better board found at column 3 with heuristic : 1

```
* Q * * * * * *
* * * * * * *
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* * * Q * * * *
Q * * * * * * *
* * * * * * * Q
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* * Q * * * Q *
```

Better board found at column 4 with heuristic : 1

```
* Q * * * * * *
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Q * * * * * * *
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* * Q * * * Q *
```

Better board found at column 5 with heuristic : 1

```
* Q * * * * * *
```

```
* * * * *
* * * * * Q *
* * * Q * * *
Q * * * * *
* * * * * Q
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* * Q * * * Q *
```

Better board found at column 6 with heuristic : 1

```
* Q * * * * *
* * * * * Q *
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Q * * * * *
* * * * * Q
* * * * Q * *
* * Q * * * *
```

Better board found at column 6 with heuristic : 1

```
* Q * * * * *
* * * * *
* * * * * Q Q *
* * * Q * * *
Q * * * * *
* * * * * Q
* * * * Q * *
* * Q * * * *
```

Better board found at column 6 with heuristic : 1

```
* Q * * * * *
* * * * *
* * * * * Q *
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Q * * * * *
* * * * * Q
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* * Q * * * Q *
```

Better board found at column 7 with heuristic : 1

```
* Q * * * * *
* * * * * Q
* * * * * Q *
* * * Q * * *
Q * * * * *
* * * * *
* * * * Q * *
* * Q * * * Q *
```

Better board found at column 7 with heuristic : 1

```
* Q * * * * *
* * * * *
* * * * * Q *
* * * Q * * *
Q * * * * *
* * * * * Q
* * * * Q * *
* * Q * * * Q *
```

Better board found at column 0 with heuristic : 1

```
* Q * * * * *
* * * * *
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* * * Q * * *
Q * * * * *
* * * * * * Q
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* * Q * * * Q *
```

Better board found at column 2 with heuristic : 1

```
* Q * * * * *
* * Q * * * *
* * * * * Q *
* * * Q * * *
Q * * * * *
* * * * * * Q
* * * * Q * *
* * * * * * Q *
```

Better board found at column 2 with heuristic : 1

```
* Q * * * * *
* * * * * *
* * * * * Q *
* * * Q * * *
Q * * * * *
* * * * * * Q
* * * * Q * *
* * Q * * * Q *
```

Better board found at column 3 with heuristic : 1

```
* Q * * * * *
* * * * * *
* * * * * Q *
* * * Q * * *
Q * * * * *
* * * * * * Q
* * * * Q * *
* * Q * * * Q *
```

Better board found at column 4 with heuristic : 1

```
* Q * * * * *
* * * * * *
* * * * * Q *
* * * Q * * *
Q * * * * *
* * * * * * Q
* * * * Q * *
* * Q * * * Q *
```

Better board found at column 5 with heuristic : 1

```
* Q * * * * *
* * * * * *
* * * * * Q *
* * * Q * * *
Q * * * * *
* * * * * * Q
```

```

* * * * Q * * *
* * Q * * * Q *
Better board found at column 6 with heuristic : 1
* Q * * * * *
* * * * * Q *
* * * * * Q *
* * * Q * * *
Q * * * * *
* * * * * Q
* * * * Q * *
* * Q * * *
Better board found at column 6 with heuristic : 1
* Q * * * * *
* * * * *
* * * * * Q Q
* * * Q * * *
Q * * * * *
* * * * * Q
* * * * Q * *
* * Q * * *
Better board found at column 6 with heuristic : 1
* Q * * * * *
* * * * *
* * * * * Q *
* * * Q * * *
Q * * * * *
* * * * * Q
* * * * Q * *
* * Q * * * Q
Better board found at column 7 with heuristic : 1
* Q * * * * *
* * * * * Q
* * * * * Q *
* * * Q * * *
Q * * * * *
* * * * *
* * * * Q * *
* * Q * * * Q
Better board found at column 7 with heuristic : 1
* Q * * * * *
* * * * *
* * * * * Q *
* * * Q * * *
Q * * * * *
* * * * * Q
* * * * Q * *
* * Q * * * Q
Better board found at column 0 with heuristic : 1
* Q * * * * *
* * * * *
* * * * * Q *
* * * Q * * *

```

Q \* \* \* \* \*  
\* \* \* \* \* Q  
\* \* \* \* Q \* \* \*  
\* \* Q \* \* \* Q \*

Better board found at column 2 with heuristic : 1

\* Q \* \* \* \* \*  
\* \* Q \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* \* \* Q \* \* \* \*  
Q \* \* \* \* \* \* \*  
\* \* \* \* \* \* \* Q  
\* \* \* \* Q \* \* \*  
\* \* \* \* \* \* Q \*

Better board found at column 2 with heuristic : 1

\* Q \* \* \* \* \*  
\* \* \* \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* \* \* Q \* \* \* \*  
Q \* \* \* \* \* \* \*  
\* \* \* \* \* \* \* Q  
\* \* \* \* Q \* \* \*  
\* \* Q \* \* \* Q \*

Better board found at column 3 with heuristic : 1

\* Q \* \* \* \* \*  
\* \* \* \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* \* \* Q \* \* \* \*  
Q \* \* \* \* \* \* \*  
\* \* \* \* \* \* \* Q  
\* \* \* \* Q \* \* \*  
\* \* Q \* \* \* Q \*

Better board found at column 4 with heuristic : 1

\* Q \* \* \* \* \*  
\* \* \* \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* \* \* Q \* \* \* \*  
Q \* \* \* \* \* \* \*  
\* \* \* \* \* \* \* Q  
\* \* \* \* Q \* \* \*  
\* \* Q \* \* \* Q \*

Better board found at column 5 with heuristic : 1

\* Q \* \* \* \* \*  
\* \* \* \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* \* \* Q \* \* \* \*  
Q \* \* \* \* \* \* \*  
\* \* \* \* \* \* \* Q  
\* \* \* \* Q \* \* \*  
\* \* Q \* \* \* Q \*

Better board found at column 6 with heuristic : 1

\* Q \* \* \* \* \*  
\* \* \* \* \* \* Q \*

```
* * * * * Q * *
* * * Q * * * *
Q * * * * * * *
* * * * * * * Q
* * * * Q * * *
* * Q * * * * *
```

Better board found at column 6 with heuristic : 1

```
* Q * * * * * *
* * * * * * * *
* * * * * Q Q *
* * * Q * * * *
Q * * * * * * *
* * * * * * * Q
* * * * Q * * *
* * Q * * * * *
```

Better board found at column 6 with heuristic : 1

```
* Q * * * * * *
* * * * * * * *
* * * * * Q * *
* * * Q * * * *
Q * * * * * * *
* * * * * * * Q
* * * * Q * * *
* * Q * * * Q *
```

Better board found at column 7 with heuristic : 1

```
* Q * * * * * *
* * * * * * * Q
* * * * * Q * *
* * * Q * * * *
Q * * * * * * *
* * * * * * * *
* * * * Q * * *
* * Q * * * Q *
```

Better board found at column 7 with heuristic : 1

```
* Q * * * * * *
* * * * * * * *
* * * * * Q * *
* * * Q * * * *
Q * * * * * * *
* * * * * * * Q
* * * * Q * * *
* * Q * * * Q *
```

Solution Not found...

#Trail 4

```
* * * Q * * * *
* * * * * * * *
* * * * * * * *
* * * * * * * *
* Q * * * Q * *
* * Q * Q * * *
Q * * * * Q Q
* * * * * * * *
```

The heuristic value of the original board is : 8  
Better board found at column 0 with heuristic : 8

```
Q * * Q * * * *
* * * * * * * *
* * * * * * * *
* * * * * * * *
* Q * * * Q * *
* * Q * Q * * *
* * * * * * Q Q
* * * * * * * *
```

Better board found at column 0 with heuristic : 7

```
* * * Q * * * *
Q * * * * * * *
* * * * * * * *
* * * * * * * *
* Q * * * Q * *
* * Q * Q * * *
* * * * * * Q Q
* * * * * * * *
```

Better board found at column 0 with heuristic : 6

```
* * * Q * * * *
* * * * * * * *
Q * * * * * * *
* * * * * * * *
* Q * * * Q * *
* * Q * Q * * *
* * * * * * Q Q
* * * * * * * *
```

Better board found at column 1 with heuristic : 6

```
* * * Q * * * *
* Q * * * * * *
Q * * * * * * *
* * * * * * * *
* * * * * Q * *
* * Q * Q * * *
* * * * * * Q Q
* * * * * * * *
```

Better board found at column 1 with heuristic : 5

```
* * * Q * * * *
* * * * * * * *
Q * * * * * * *
* Q * * * * * *
* * * * * Q * *
* * Q * Q * * *
* * * * * * Q Q
* * * * * * * *
```

Better board found at column 1 with heuristic : 4

```
* * * Q * * * *
* * * * * * * *
Q * * * * * * *
* * * * * * * *
* * * * * Q * *
```

\* \* Q \* Q \* \* \*  
\* \* \* \* \* \* Q Q  
\* Q \* \* \* \* \* \*

Better board found at column 2 with heuristic : 4

\* \* \* Q \* \* \* \*  
\* \* \* \* \* \* \* \*  
Q \* \* \* \* \* \* \*  
\* \* Q \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* \* \* \* Q \* \* \*  
\* \* \* \* \* \* Q Q  
\* Q \* \* \* \* \* \*

Better board found at column 2 with heuristic : 4

\* \* \* Q \* \* \* \*  
\* \* \* \* \* \* \* \*  
Q \* \* \* \* \* \* \*  
\* \* \* \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* \* Q \* Q \* \* \*  
\* \* \* \* \* \* Q Q  
\* Q \* \* \* \* \* \*

Better board found at column 3 with heuristic : 4

\* \* \* \* \* \* \* \*  
\* \* \* Q \* \* \* \*  
Q \* \* \* \* \* \* \*  
\* \* \* \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* \* Q \* Q \* \* \*  
\* \* \* \* \* \* Q Q  
\* Q \* \* \* \* \* \*

Better board found at column 4 with heuristic : 3

\* \* \* \* Q \* \* \*  
\* \* \* Q \* \* \* \*  
Q \* \* \* \* \* \* \*  
\* \* \* \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* \* Q \* \* \* \* \*  
\* \* \* \* \* \* Q Q  
\* Q \* \* \* \* \* \*

Better board found at column 4 with heuristic : 3

\* \* \* \* \* \* \* \*  
\* \* \* Q Q \* \* \*  
Q \* \* \* \* \* \* \*  
\* \* \* \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* \* Q \* \* \* \* \*  
\* \* \* \* \* \* Q Q  
\* Q \* \* \* \* \* \*

Better board found at column 5 with heuristic : 3

\* \* \* \* \* Q \* \*  
\* \* \* Q Q \* \* \*  
Q \* \* \* \* \* \* \*



```
* * * * *
* * * * *
* * Q * * *
* * * * * Q Q
* Q * * * * *
```

Better board found at column 5 with heuristic : 3

```
* * * * *
* * * Q Q * *
Q * * * * *
* * * * *
* * * * * Q *
* * Q * * *
* * * * * Q Q
* Q * * * * *
```

Better board found at column 6 with heuristic : 2

```
* * * * * Q *
* * * Q Q * *
Q * * * * *
* * * * *
* * * * * Q *
* * Q * * *
* * * * * Q
* Q * * * * *
```

Better board found at column 7 with heuristic : 1

```
* * * * * Q *
* * * Q Q * *
Q * * * * *
* * * * * Q
* * * * * Q *
* * Q * * *
* * * * *
* Q * * * * *
```

Better board found at column 0 with heuristic : 1

```
* * * * * Q *
* * * Q Q * *
Q * * * * *
* * * * * Q
* * * * * Q *
* * Q * * *
* * * * *
* Q * * * * *
```

Better board found at column 1 with heuristic : 1

```
* * * * * Q *
* * * Q Q * *
Q * * * * *
* * * * * Q
* * * * * Q *
* * Q * * *
* * * * *
* Q * * * * *
```

Better board found at column 2 with heuristic : 1

```
* * * * * Q *
```

```
* * * Q Q * * *
Q * * * * * *
* * * * * * Q
* * * * * Q * *
* * Q * * * * *
* * * * * * *
* Q * * * * * *
```

Better board found at column 3 with heuristic : 1

```
* * * * * * Q *
* * * Q Q * * *
Q * * * * * *
* * * * * * Q
* * * * * Q * *
* * Q * * * * *
* * * * * * *
* Q * * * * * *
```

Better board found at column 4 with heuristic : 1

```
* * * * * * Q *
* * * Q Q * * *
Q * * * * * *
* * * * * * Q
* * * * * Q * *
* * Q * * * * *
* * * * * * *
* Q * * * * * *
```

Better board found at column 5 with heuristic : 1

```
* * * * * * Q *
* * * Q Q * * *
Q * * * * * *
* * * * * * Q
* * * * * Q * *
* * Q * * * * *
* * * * * * *
* Q * * * * * *
```

Better board found at column 5 with heuristic : 1

```
* * * * * * Q *
* * * Q Q * * *
Q * * * * * *
* * * * * * Q
* * * * * * *
* * Q * * * * *
* * * * * Q * *
* Q * * * * * *
```

Better board found at column 7 with heuristic : 1

```
* * * * * * Q *
* * * Q Q * * *
Q * * * * * *
* * * * * * Q
* * * * * * *
* * Q * * * * *
* * * * * Q * *
* Q * * * * * *
```

Better board found at column 0 with heuristic : 1

```
* * * * * * Q *
* * * Q Q * * *
Q * * * * * * *
* * * * * * * Q
* * * * * * * *
* * Q * * * * *
* * * * * Q * *
* Q * * * * * *
```

Better board found at column 1 with heuristic : 1

```
* * * * * * Q *
* * * Q Q * * *
Q * * * * * * *
* * * * * * * Q
* * * * * * * *
* * Q * * * * *
* * * * * Q * *
* Q * * * * * *
```

Better board found at column 2 with heuristic : 1

```
* * * * * * Q *
* * * Q Q * * *
Q * * * * * * *
* * * * * * * Q
* * * * * * * *
* * Q * * * * *
* * * * * Q * *
* Q * * * * * *
```

Better board found at column 3 with heuristic : 1

```
* * * * * * Q *
* * * Q Q * * *
Q * * * * * * *
* * * * * * * Q
* * * * * * * *
* * Q * * * * *
* * * * * Q * *
* Q * * * * * *
```

Better board found at column 4 with heuristic : 1

```
* * * * * * Q *
* * * Q Q * * *
Q * * * * * * *
* * * * * * * Q
* * * * * * * *
* * Q * * * * *
* * * * * Q * *
* Q * * * * * *
```

Better board found at column 4 with heuristic : 1

```
* * * * * * Q *
* * * Q * * * *
Q * * * * * * *
* * * * * * * Q
* * * * Q * * *
* * Q * * * * *
```

\* \* \* \* \* Q \* \*

\* Q \* \* \* \* \*

Better board found at column 5 with heuristic : 1

\* \* \* \* \* \* Q \*

\* \* \* Q \* \* \* \*

Q \* \* \* \* \* \*

\* \* \* \* \* \* \* Q

\* \* \* \* Q \* \* \*

\* \* Q \* \* \* \* \*

\* \* \* \* \* Q \* \*

\* Q \* \* \* \* \* \*

Better board found at column 7 with heuristic : 1

\* \* \* \* \* \* Q \*

\* \* \* Q \* \* \* \*

Q \* \* \* \* \* \*

\* \* \* \* \* \* \* Q

\* \* \* \* Q \* \* \*

\* \* Q \* \* \* \* \*

\* \* \* \* \* Q \* \*

\* Q \* \* \* \* \* \*

Better board found at column 0 with heuristic : 1

\* \* \* \* \* \* Q \*

\* \* \* Q \* \* \* \*

Q \* \* \* \* \* \*

\* \* \* \* \* \* \* Q

\* \* \* \* Q \* \* \*

\* \* Q \* \* \* \* \*

\* \* \* \* \* Q \* \*

\* Q \* \* \* \* \* \*

Better board found at column 1 with heuristic : 1

\* Q \* \* \* \* \* Q \*

\* \* \* Q \* \* \* \*

Q \* \* \* \* \* \*

\* \* \* \* \* \* \* Q

\* \* \* \* Q \* \* \*

\* \* Q \* \* \* \* \*

\* \* \* \* \* Q \* \*

\* \* \* \* \* \* \* \*

Better board found at column 1 with heuristic : 1

\* \* \* \* \* \* Q \*

\* \* \* Q \* \* \* \*

Q \* \* \* \* \* \*

\* \* \* \* \* \* \* Q

\* \* \* \* Q \* \* \*

\* \* Q \* \* \* \* \*

\* \* \* \* \* Q \* \*

\* Q \* \* \* \* \* \*

Better board found at column 2 with heuristic : 1

\* \* \* \* \* \* Q \*

\* \* \* Q \* \* \* \*

Q \* \* \* \* \* \*

\* \* \* \* \* \* \* Q

```
* * * * Q * * *  
* * Q * * * * *  
* * * * * Q * *  
* Q * * * * * *
```

Better board found at column 3 with heuristic : 1

```
* * * * * * Q *  
* * * Q * * * *  
Q * * * * * * *  
* * * * * * * Q  
* * * * Q * * *  
* * Q * * * * *  
* * * * * Q * *  
* Q * * * * * *
```

Better board found at column 4 with heuristic : 1

```
* * * * * * Q *  
* * * Q Q * * *  
Q * * * * * * *  
* * * * * * * Q  
* * * * * * * *  
* * Q * * * * *  
* * * * * Q * *  
* Q * * * * * *
```

Better board found at column 4 with heuristic : 1

```
* * * * * * Q *  
* * * Q * * * *  
Q * * * * * * *  
* * * * * * * Q  
* * * * Q * * *  
* * Q * * * * *  
* * * * * Q * *  
* Q * * * * * *
```

Better board found at column 5 with heuristic : 1

```
* * * * * * Q *  
* * * Q * * * *  
Q * * * * * * *  
* * * * * * * Q  
* * * * Q * * *  
* * Q * * * * *  
* * * * * Q * *  
* Q * * * * * *
```

Better board found at column 7 with heuristic : 1

```
* * * * * * Q *  
* * * Q * * * *  
Q * * * * * * *  
* * * * * * * Q  
* * * * Q * * *  
* * Q * * * * *  
* * * * * Q * *  
* Q * * * * * *
```

Better board found at column 0 with heuristic : 1

```
* * * * * * Q *  
* * * Q * * * *
```

Q \* \* \* \* \*  
\* \* \* \* \* Q  
\* \* \* \* Q \* \* \*  
\* \* Q \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* Q \* \* \* \* \*

Better board found at column 1 with heuristic : 1

\* Q \* \* \* \* Q \*  
\* \* \* Q \* \* \* \*  
Q \* \* \* \* \* \*  
\* \* \* \* \* \* Q  
\* \* \* \* Q \* \* \*  
\* \* Q \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* \* \* \* \* \* \* \*

Better board found at column 1 with heuristic : 1

\* \* \* \* \* Q \*  
\* \* \* Q \* \* \* \*  
Q \* \* \* \* \* \*  
\* \* \* \* \* \* Q  
\* \* \* \* Q \* \* \*  
\* \* Q \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* Q \* \* \* \* \* \*

Better board found at column 2 with heuristic : 1

\* \* \* \* \* Q \*  
\* \* \* Q \* \* \* \*  
Q \* \* \* \* \* \*  
\* \* \* \* \* \* Q  
\* \* \* \* Q \* \* \*  
\* \* Q \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* Q \* \* \* \* \* \*

Better board found at column 3 with heuristic : 1

\* \* \* \* \* Q \*  
\* \* \* Q \* \* \* \*  
Q \* \* \* \* \* \*  
\* \* \* \* \* \* Q  
\* \* \* \* Q \* \* \*  
\* \* Q \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* Q \* \* \* \* \* \*

Better board found at column 4 with heuristic : 1

\* \* \* \* \* Q \*  
\* \* \* Q Q \* \* \*  
Q \* \* \* \* \* \*  
\* \* \* \* \* \* Q  
\* \* \* \* \* \* \*  
\* \* Q \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* Q \* \* \* \* \* \*

Better board found at column 4 with heuristic : 1

```
* * * * * Q *
* * * Q * * *
Q * * * * *
* * * * * Q
* * * * Q * *
* * Q * * * *
* * * * * Q *
* Q * * * * *
```

Better board found at column 5 with heuristic : 1

```
* * * * * Q *
* * * Q * * *
Q * * * * *
* * * * * Q
* * * * Q * *
* * Q * * * *
* * * * * Q *
* Q * * * * *
```

Better board found at column 7 with heuristic : 1

```
* * * * * Q *
* * * Q * * *
Q * * * * *
* * * * * Q
* * * * Q * *
* * Q * * * *
* * * * * Q *
* Q * * * * *
```

Better board found at column 0 with heuristic : 1

```
* * * * * Q *
* * * Q * * *
Q * * * * *
* * * * * Q
* * * * Q * *
* * Q * * * *
* * * * * Q *
* Q * * * * *
```

Better board found at column 1 with heuristic : 1

```
* Q * * * * Q *
* * * Q * * *
Q * * * * *
* * * * * Q
* * * * Q * *
* * Q * * * *
* * * * * Q *
* * * * * *
```

Better board found at column 1 with heuristic : 1

```
* * * * * Q *
* * * Q * * *
Q * * * * *
* * * * * Q
* * * * Q * *
* * Q * * * *
* * * * * Q *
```

\* Q \* \* \* \* \*

Better board found at column 2 with heuristic : 1

\* \* \* \* \* Q \*

\* \* \* Q \* \* \* \*

Q \* \* \* \* \* \*

\* \* \* \* \* Q \*

\* \* \* \* Q \* \* \*

\* \* Q \* \* \* \* \*

\* \* \* \* \* Q \* \*

\* Q \* \* \* \* \*

Better board found at column 3 with heuristic : 1

\* \* \* \* \* Q \*

\* \* \* Q \* \* \* \*

Q \* \* \* \* \* \*

\* \* \* \* \* Q \*

\* \* \* \* Q \* \* \*

\* \* Q \* \* \* \* \*

\* \* \* \* \* Q \* \*

\* Q \* \* \* \* \*

Better board found at column 4 with heuristic : 1

\* \* \* \* \* Q \*

\* \* \* Q Q \* \* \*

Q \* \* \* \* \* \*

\* \* \* \* \* Q \*

\* \* \* \* \* \*

\* \* Q \* \* \* \* \*

\* \* \* \* \* Q \* \*

\* Q \* \* \* \* \*

Better board found at column 4 with heuristic : 1

\* \* \* \* \* Q \*

\* \* \* Q \* \* \* \*

Q \* \* \* \* \* \*

\* \* \* \* \* Q \*

\* \* \* \* Q \* \* \*

\* \* Q \* \* \* \* \*

\* \* \* \* \* Q \* \*

\* Q \* \* \* \* \*

Better board found at column 5 with heuristic : 1

\* \* \* \* \* Q \*

\* \* \* Q \* \* \* \*

Q \* \* \* \* \* \*

\* \* \* \* \* Q \*

\* \* \* \* Q \* \* \*

\* \* Q \* \* \* \* \*

\* \* \* \* \* Q \* \*

\* Q \* \* \* \* \*

Better board found at column 7 with heuristic : 1

\* \* \* \* \* Q \*

\* \* \* Q \* \* \* \*

Q \* \* \* \* \* \*

\* \* \* \* \* Q \*

\* \* \* \* Q \* \* \*



\* \* Q \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* Q \* \* \* \* \* \*

Better board found at column 0 with heuristic : 1

\* \* \* \* \* Q \*  
\* \* \* Q \* \* \* \*  
Q \* \* \* \* \* \* \*  
\* \* \* \* \* \* \* Q  
\* \* \* \* Q \* \* \*  
\* \* Q \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* Q \* \* \* \* \* \*

Better board found at column 1 with heuristic : 1

\* Q \* \* \* \* Q \*  
\* \* \* Q \* \* \* \*  
Q \* \* \* \* \* \* \*  
\* \* \* \* \* \* \* Q  
\* \* \* \* Q \* \* \*  
\* \* Q \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* \* \* \* \* \* \* \*

Better board found at column 1 with heuristic : 1

\* \* \* \* \* Q \*  
\* \* \* Q \* \* \* \*  
Q \* \* \* \* \* \* \*  
\* \* \* \* \* \* \* Q  
\* \* \* \* Q \* \* \*  
\* \* Q \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* Q \* \* \* \* \* \*

Better board found at column 2 with heuristic : 1

\* \* \* \* \* Q \*  
\* \* \* Q \* \* \* \*  
Q \* \* \* \* \* \* \*  
\* \* \* \* \* \* \* Q  
\* \* \* \* Q \* \* \*  
\* \* Q \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* Q \* \* \* \* \* \*

Better board found at column 3 with heuristic : 1

\* \* \* \* \* Q \*  
\* \* \* Q \* \* \* \*  
Q \* \* \* \* \* \* \*  
\* \* \* \* \* \* \* Q  
\* \* \* \* Q \* \* \*  
\* \* Q \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* Q \* \* \* \* \* \*

Better board found at column 4 with heuristic : 1

\* \* \* \* \* Q \*  
\* \* \* Q Q \* \* \*  
Q \* \* \* \* \* \* \*

```
* * * * * * * Q
* * * * * * * *
* * Q * * * * *
* * * * * Q * *
* Q * * * * * *
```

Better board found at column 4 with heuristic : 1

```
* * * * * * Q *
* * * Q * * * *
Q * * * * * * *
* * * * * * * Q
* * * * Q * * *
* * Q * * * * *
* * * * * Q * *
* Q * * * * * *
```

Better board found at column 5 with heuristic : 1

```
* * * * * * Q *
* * * Q * * * *
Q * * * * * * *
* * * * * * * Q
* * * * Q * * *
* * Q * * * * *
* * * * * Q * *
* Q * * * * * *
```

Better board found at column 7 with heuristic : 1

```
* * * * * * Q *
* * * Q * * * *
Q * * * * * * *
* * * * * * * Q
* * * * Q * * *
* * Q * * * * *
* * * * * Q * *
* Q * * * * * *
```

Better board found at column 0 with heuristic : 1

```
* * * * * * Q *
* * * Q * * * *
Q * * * * * * *
* * * * * * * Q
* * * * Q * * *
* * Q * * * * *
* * * * * Q * *
* Q * * * * * *
```

Better board found at column 1 with heuristic : 1

```
* Q * * * * Q *
* * * Q * * * *
Q * * * * * * *
* * * * * * * Q
* * * * Q * * *
* * Q * * * * *
* * * * * Q * *
* * * * * * * *
```

Better board found at column 1 with heuristic : 1

```
* * * * * * Q *
```

```
* * * Q * * * *
Q * * * * * * *
* * * * * * * Q
* * * * Q * * *
* * Q * * * * *
* * * * * Q * *
* Q * * * * * *
```

Better board found at column 2 with heuristic : 1

```
* * * * * * Q *
* * * Q * * * *
Q * * * * * * *
* * * * * * * Q
* * * * Q * * *
* * Q * * * * *
* * * * * Q * *
* Q * * * * * *
```

Better board found at column 3 with heuristic : 1

```
* * * * * * Q *
* * * Q * * * *
Q * * * * * * *
* * * * * * * Q
* * * * Q * * *
* * Q * * * * *
* * * * * Q * *
* Q * * * * * *
```

Better board found at column 4 with heuristic : 1

```
* * * * * * Q *
* * * Q Q * * *
Q * * * * * * *
* * * * * * * Q
* * * * * * * *
* * Q * * * * *
* * * * * Q * *
* Q * * * * * *
```

Better board found at column 4 with heuristic : 1

```
* * * * * * Q *
* * * Q * * * *
Q * * * * * * *
* * * * * * * Q
* * * * Q * * *
* * Q * * * * *
* * * * * Q * *
* Q * * * * * *
```

Better board found at column 5 with heuristic : 1

```
* * * * * * Q *
* * * Q * * * *
Q * * * * * * *
* * * * * * * Q
* * * * Q * * *
* * Q * * * * *
* * * * * Q * *
* Q * * * * * *
```

Better board found at column 7 with heuristic : 1

```
* * * * * * Q *
* * * Q * * * *
Q * * * * * * *
* * * * * * * Q
* * * * Q * * *
* * Q * * * * *
* * * * * Q * *
* Q * * * * * *
```

Better board found at column 0 with heuristic : 1

```
* * * * * * Q *
* * * Q * * * *
Q * * * * * * *
* * * * * * * Q
* * * * Q * * *
* * Q * * * * *
* * * * * Q * *
* Q * * * * * *
```

Better board found at column 1 with heuristic : 1

```
* Q * * * * Q *
* * * Q * * * *
Q * * * * * * *
* * * * * * * Q
* * * * Q * * *
* * Q * * * * *
* * * * * Q * *
* * * * * * * *
```

Better board found at column 1 with heuristic : 1

```
* * * * * * Q *
* * * Q * * * *
Q * * * * * * *
* * * * * * * Q
* * * * Q * * *
* * Q * * * * *
* * * * * Q * *
* Q * * * * * *
```

Better board found at column 2 with heuristic : 1

```
* * * * * * Q *
* * * Q * * * *
Q * * * * * * *
* * * * * * * Q
* * * * Q * * *
* * Q * * * * *
* * * * * Q * *
* Q * * * * * *
```

Better board found at column 3 with heuristic : 1

```
* * * * * * Q *
* * * Q * * * *
Q * * * * * * *
* * * * * * * Q
* * * * Q * * *
* * Q * * * * *
```

```

* * * * * Q * *
* Q * * * * *
Better board found at column 4 with heuristic : 1
* * * * * * Q *
* * * Q Q * * *
Q * * * * * *
* * * * * * * Q
* * * * * * *
* * Q * * * *
* * * * * Q * *
* Q * * * * *
Better board found at column 4 with heuristic : 1
* * * * * * Q *
* * * Q * * *
Q * * * * * *
* * * * * * * Q
* * * * Q * *
* * Q * * * *
* * * * * Q *
* Q * * * * *
Better board found at column 5 with heuristic : 1
* * * * * * Q *
* * * Q * * *
Q * * * * * *
* * * * * * * Q
* * * * Q * *
* * Q * * * *
* * * * * Q *
* Q * * * * *
Better board found at column 7 with heuristic : 1
* * * * * * Q *
* * * Q * * *
Q * * * * * *
* * * * * * * Q
* * * * Q * *
* * Q * * * *
* * * * * Q *
* Q * * * * *
Better board found at column 0 with heuristic : 1
* * * * * * Q *
* * * Q * * *
Q * * * * * *
* * * * * * * Q
* * * * Q * *
* * Q * * * *
* * * * * Q *
* Q * * * * *
Better board found at column 1 with heuristic : 1
* Q * * * * Q *
* * * Q * * *
Q * * * * * *
* * * * * * * Q

```

\* \* \* \* Q \* \* \*  
\* \* Q \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* \* \* \* \* \* \* \*

Better board found at column 1 with heuristic : 1

\* \* \* \* \* \* Q \*  
\* \* \* Q \* \* \* \*  
Q \* \* \* \* \* \* \*  
\* \* \* \* \* \* \* Q  
\* \* \* \* Q \* \* \*  
\* \* Q \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* Q \* \* \* \* \* \*

Better board found at column 2 with heuristic : 1

\* \* \* \* \* \* Q \*  
\* \* \* Q \* \* \* \*  
Q \* \* \* \* \* \* \*  
\* \* \* \* \* \* \* Q  
\* \* \* \* Q \* \* \*  
\* \* Q \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* Q \* \* \* \* \* \*

Better board found at column 3 with heuristic : 1

\* \* \* \* \* \* Q \*  
\* \* \* Q \* \* \* \*  
Q \* \* \* \* \* \* \*  
\* \* \* \* \* \* \* Q  
\* \* \* \* Q \* \* \*  
\* \* Q \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* Q \* \* \* \* \* \*

Better board found at column 4 with heuristic : 1

\* \* \* \* \* \* Q \*  
\* \* \* Q Q \* \* \*  
Q \* \* \* \* \* \* \*  
\* \* \* \* \* \* \* Q  
\* \* \* \* \* \* \* \*  
\* \* Q \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* Q \* \* \* \* \* \*

Better board found at column 4 with heuristic : 1

\* \* \* \* \* \* Q \*  
\* \* \* Q \* \* \* \*  
Q \* \* \* \* \* \* \*  
\* \* \* \* \* \* \* Q  
\* \* \* \* Q \* \* \*  
\* \* Q \* \* \* \* \*  
\* \* \* \* \* Q \* \*  
\* Q \* \* \* \* \* \*

Better board found at column 5 with heuristic : 1

\* \* \* \* \* \* Q \*  
\* \* \* Q \* \* \* \*

```
Q * * * * * * *
* * * * * * * Q
* * * * Q * * *
* * Q * * * * *
* * * * * Q * *
* Q * * * * * *
```

Better board found at column 7 with heuristic : 1

```
* * * * * * Q *
* * * Q * * * *
Q * * * * * * *
* * * * * * * Q
* * * * Q * * *
* * Q * * * * *
* * * * * Q * *
* Q * * * * * *
```

Solution Not found...