

Hi all,

Winter Coding Camp Project

Mahou DB

Lok Huang

Weekly Challenge #1 Review

Eight Queens

Laurence Liu

Eight Queens

Eight ??? Queens

Eight



Photo Source: Billy Hathorn, CC BY-SA 3.0

Let's have a try!

Dairy Queen, an ice-cream chain, is starting 8 stores in a small town with 8x8 streets.

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They require:

- Every store is at the intersection of two streets

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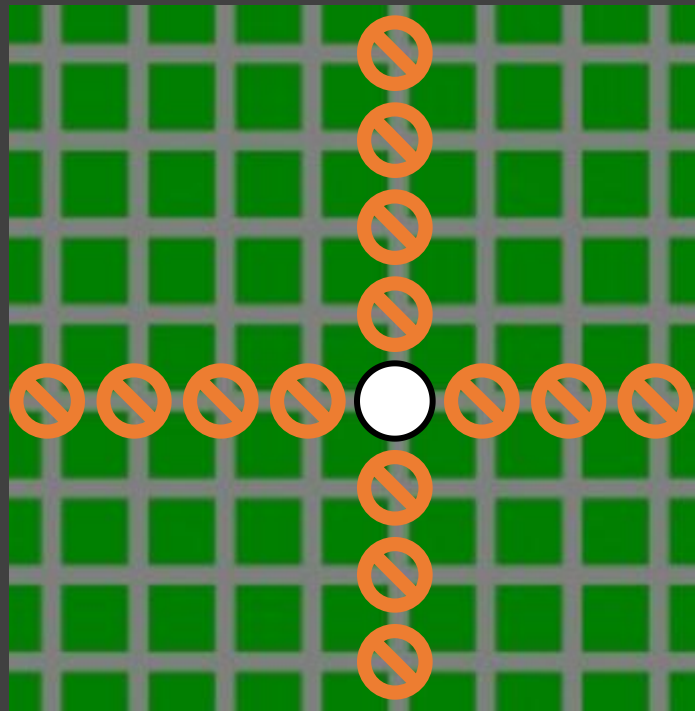
Dairy Queen, an ice-cream chain, is starting 8 stores in a small town with 8×8 streets.

They require:

- Every store is at the intersection of two streets
- Every two stores are not on the same street

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Dairy Queen, an ice-cream chain, is starting 8 stores in a small town with 8x8 streets.



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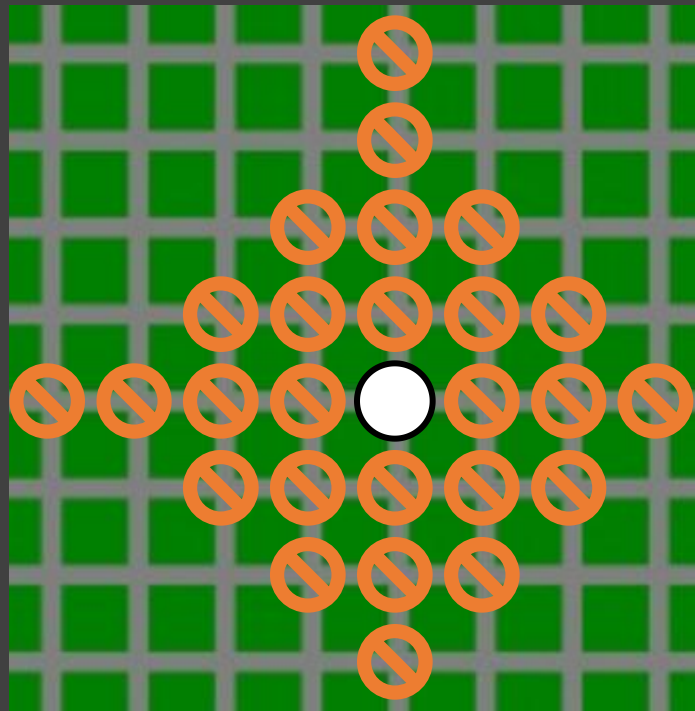
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They require:

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- Walking distance (along the streets) between every two stores should be at least 4 blocks

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How many possible ways do they have to place the 8 stores?

Submission: <http://bit.do/acm0217>

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Weekly Challenge #2

Chenzhang Hu

Can U Escape

Given a maze, determine if there is a path from the letter U to the outside.

Sample Input

```
. . . . .  
  **  
. . . . .  
.*U.*.  
  **  
. . . . .  
. . . . .
```

Sample Output

no

Sample Input

```
*****
*   *   *
* . . . * . . *
* *   *   *   *
* . *   . . . *
* * * *   * *
* . *   .
* .U. * . . .
*****
```

Sample Output

yes