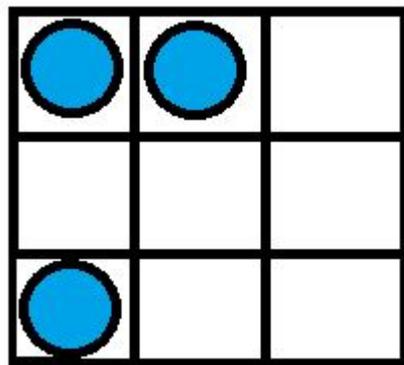


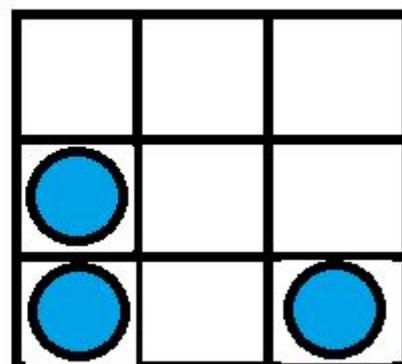
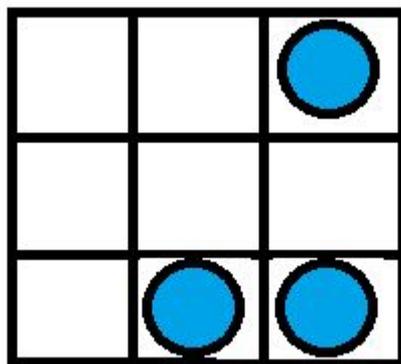
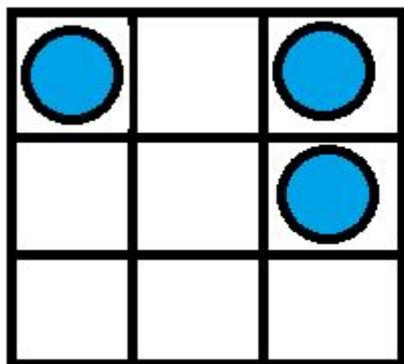
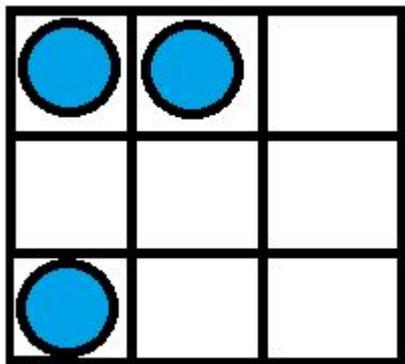
ПЕРЕВЕРТЫШИ

ГОЛОВОЛОМКИ

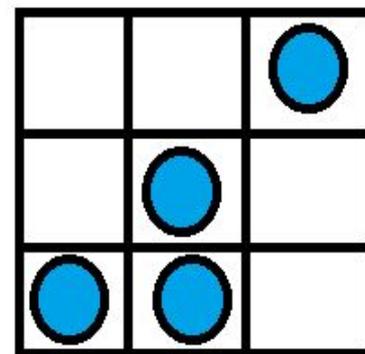
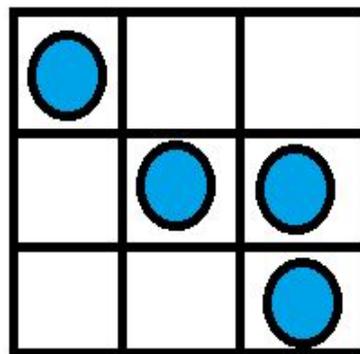
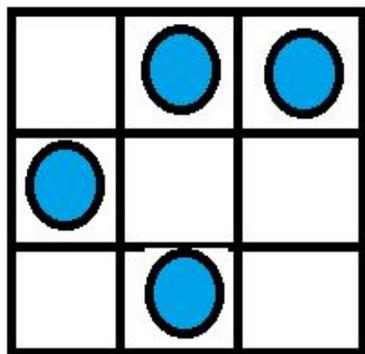
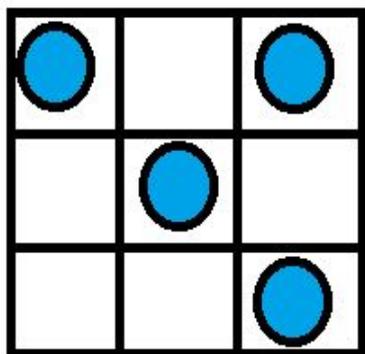
Предположим, у нас есть расчерченный на сектора квадратик. Нарисуем в некоторых секторах кружочки и начнем поворачивать наш квадратик по часовой стрелке



Получаем три квадратика. Выглядят они по-разному, однако на самом деле это один и тот же квадрат, только повернутый разными своими сторонами.

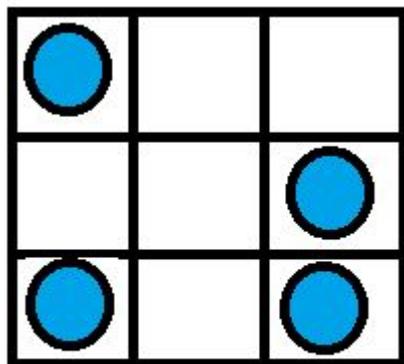


Теперь взгляни на шесть квадратов, нарисованных ниже. Какие из них получены путем поворота?



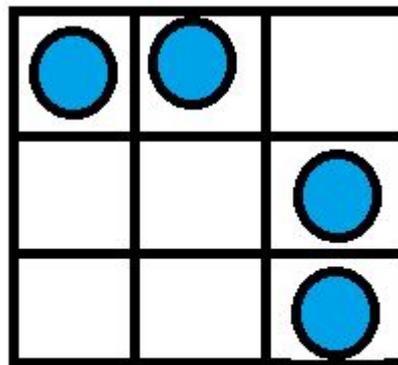
1

2



3

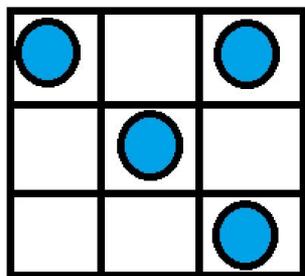
4



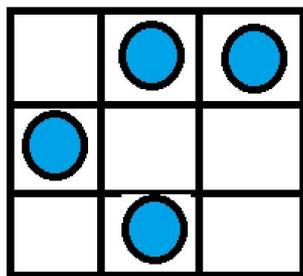
5

6

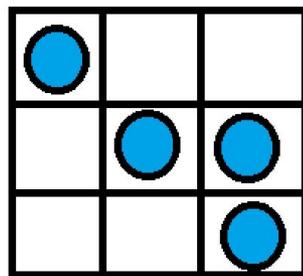
Правильно, это квадратики под номерами 3 и 4.



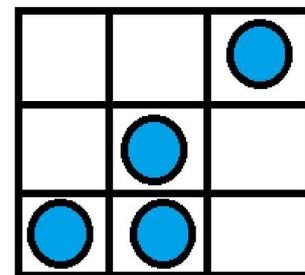
1



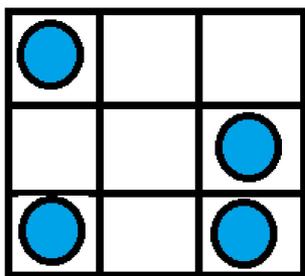
2



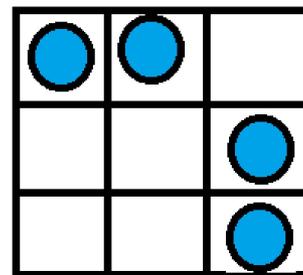
3



4



5



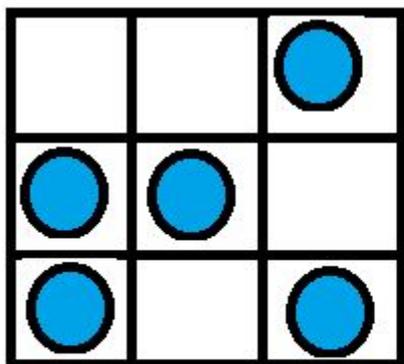
6

Игра состоит в том, чтобы глядя на задание с квадратиками и нарисованными в них кружочками, найти пару квадратов, которые получены путем поворотов.

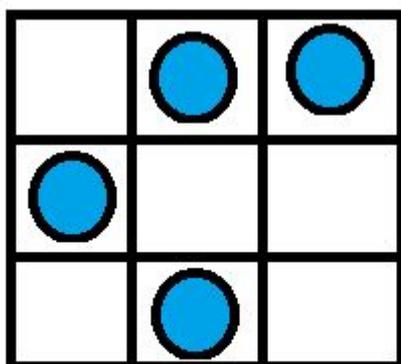
Инструкция (алгоритм действия)

1. Посмотри на серию квадратов
2. Постарайся найти пару квадратов, полученных путем поворота. Вертеть экран или изображение на нем!
3. Запомните номера выбранных квадратов
4. Сверьтесь с ответами.

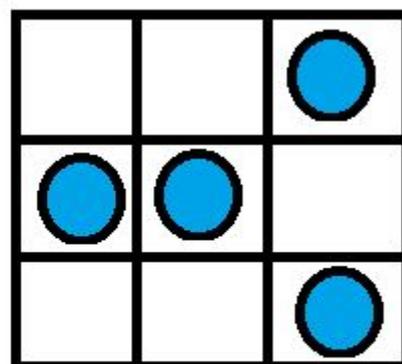
Задание 1.



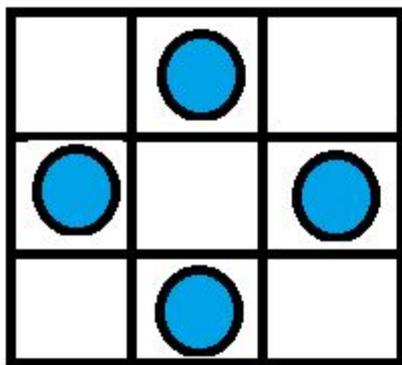
1



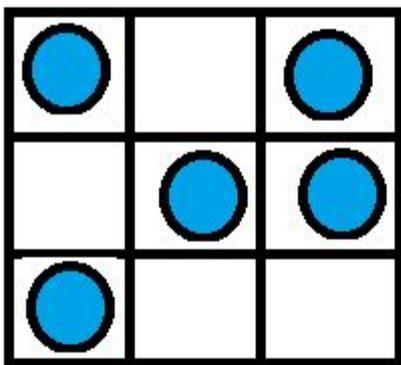
2



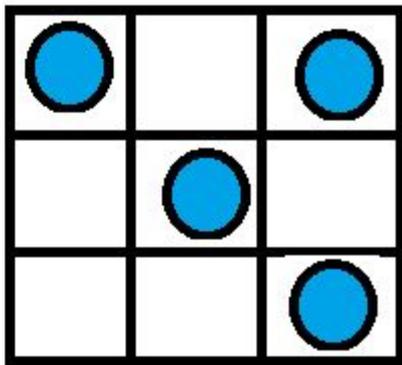
3



4



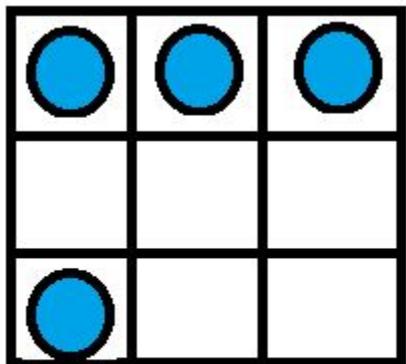
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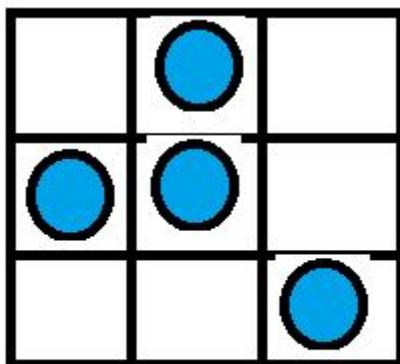
6

ОТ
ВЕТ

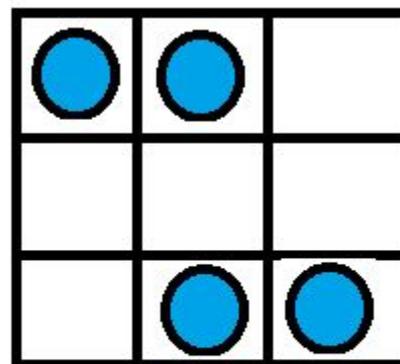
Задание 2.



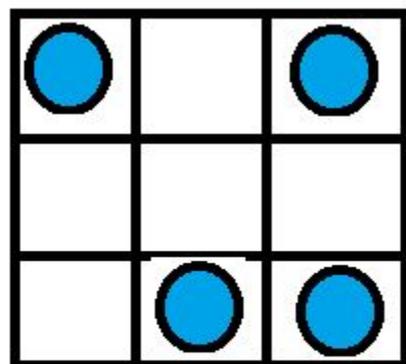
1



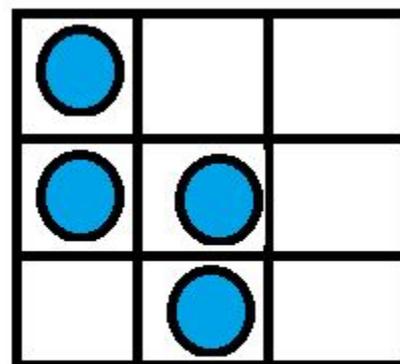
2



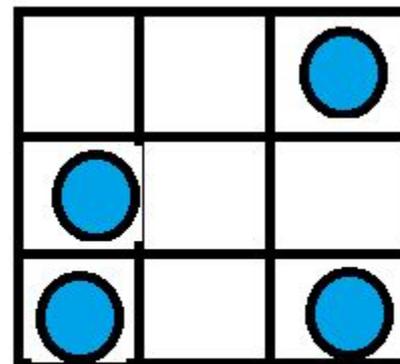
3



4



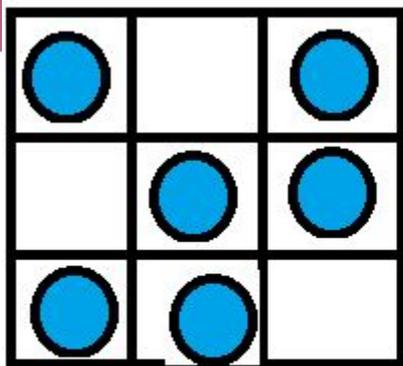
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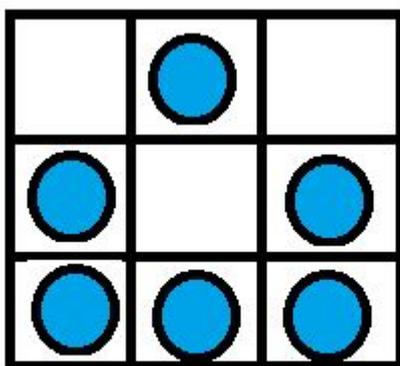
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ОТ
ВЕТ

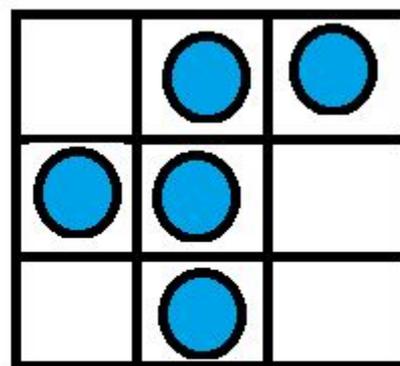
Задание 3.



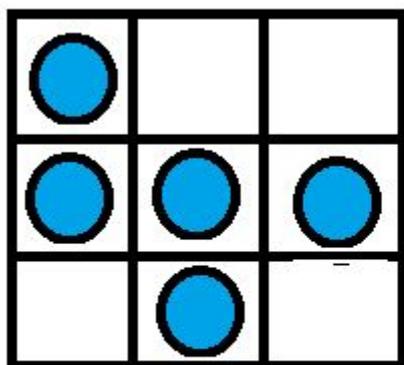
1



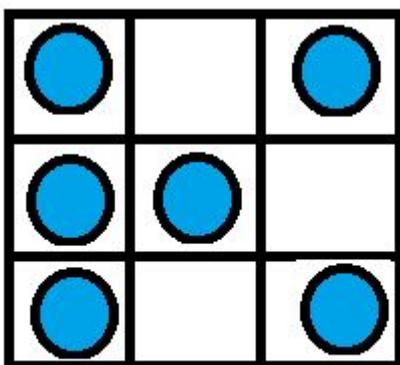
2



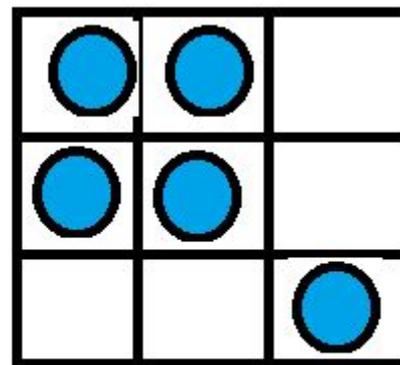
3



4



5



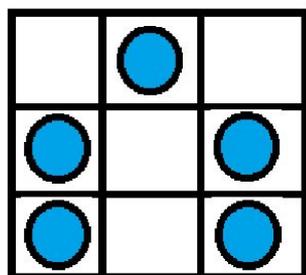
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ОТ
ВЕТ

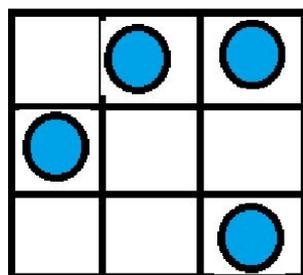


ТЕПЕРЬ НЕМНОГО УСЛОЖНИМ
ЗАДАНИЕ

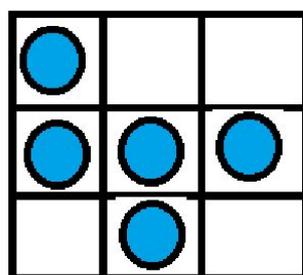
Задание 4.



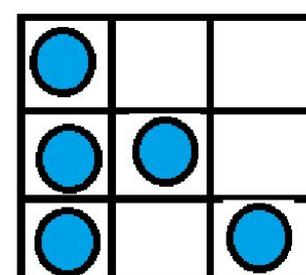
1



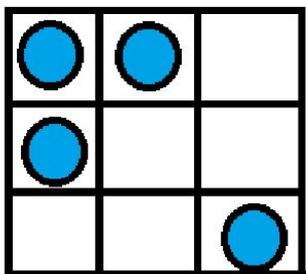
2



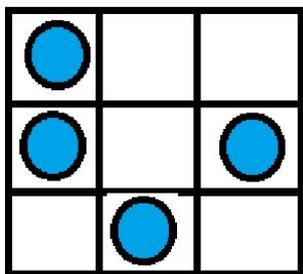
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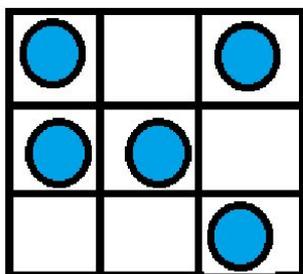
4



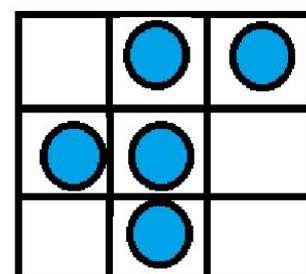
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6



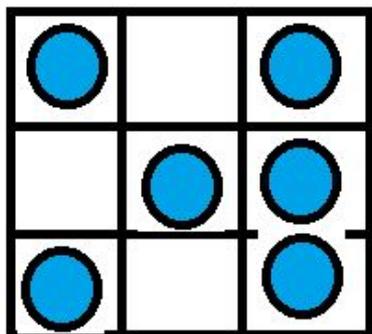
7



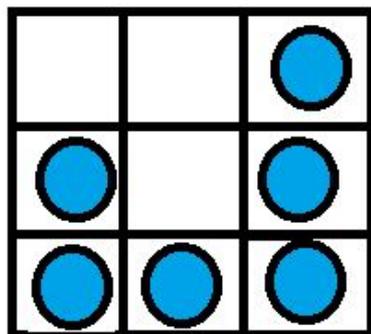
8

ОТ
ВЕТ

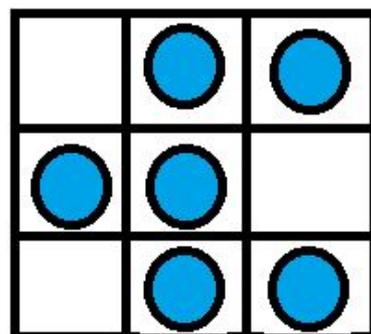
Задание 5.



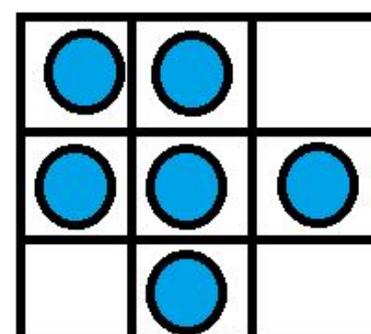
1



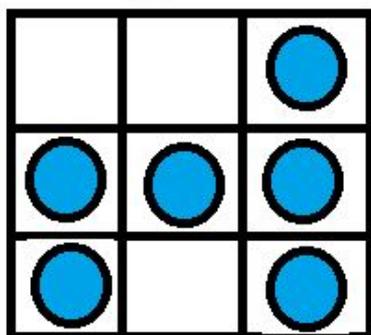
2



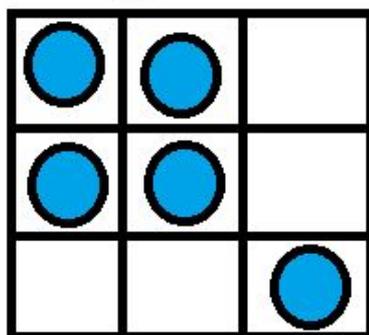
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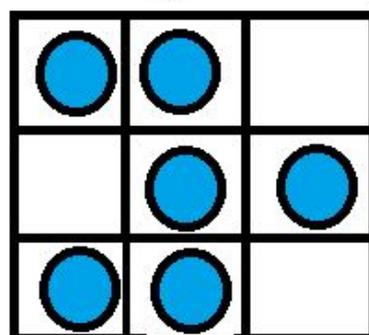
4



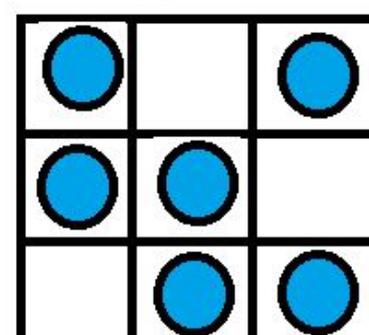
5



6



7



8

ОТВЕТ

Перемена

Задачи на логику и
внимание

$$\text{Horse} + \text{Horse} + \text{Horse} = 30$$

$$\text{Horse} + \text{Horseshoes} + \text{Horseshoes} = 18$$

$$\text{Horseshoes} - \text{Boots} = 2$$

$$\text{Boots} + \text{Horse} \times \text{Horseshoes} = ?$$

$$\text{Cat} + \text{Cat} + \text{Cat} = 30$$

$$\text{Cat} + \text{Carrot} + \text{Carrot} = 18$$

$$\text{Carrot} - \text{Slipper} = 2$$

$$\text{Slipper} + \text{Cat} \times \text{Carrot} = ?$$

Найди потеряшку



Найдите птичку

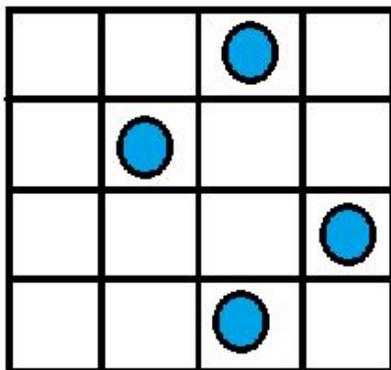




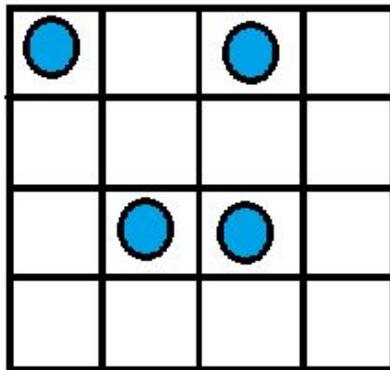
Увеличиваем число квадратов и
их размер

Задание 6

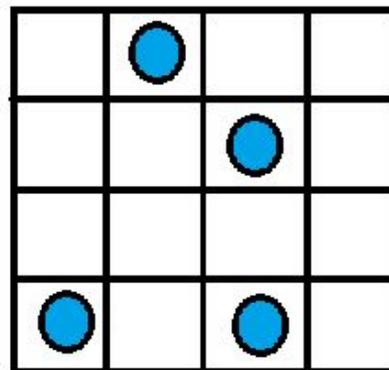
ОТВЕТ



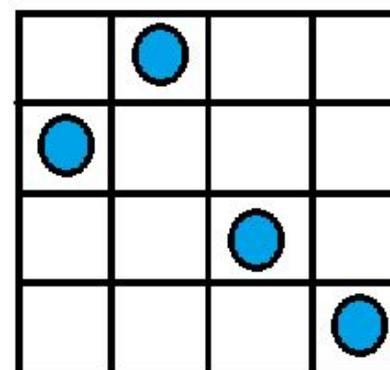
1



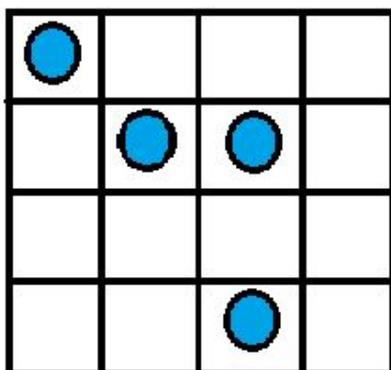
2



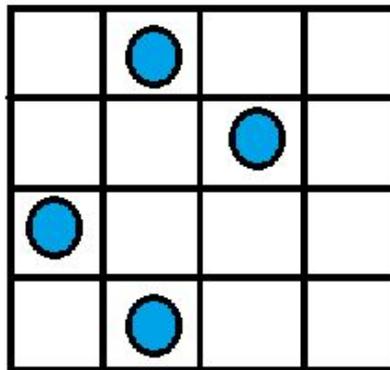
3



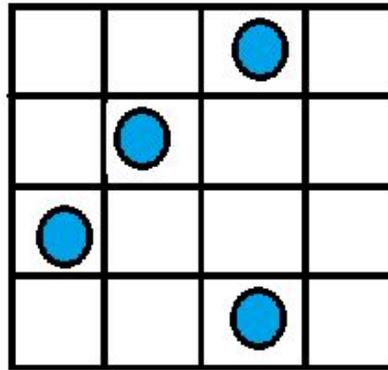
4



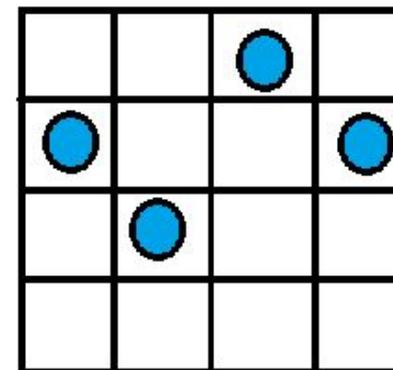
5



6



7



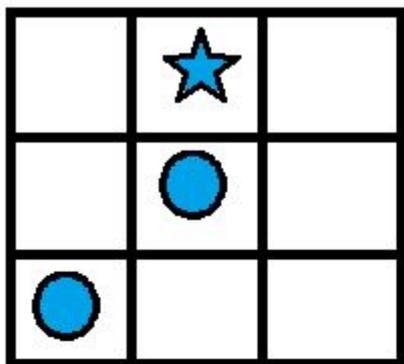
8



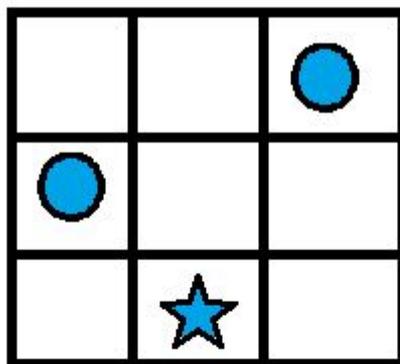
Продолжаем?

Теперь вместо части кружочков в секторах будут располагаться звездочки. При этом не важно, что именно находится в секторе – кружок или звездочка. Важно лишь, что сектор занят. Попробуй найти пару повернутых квадратов с одинаково занятыми секторами.

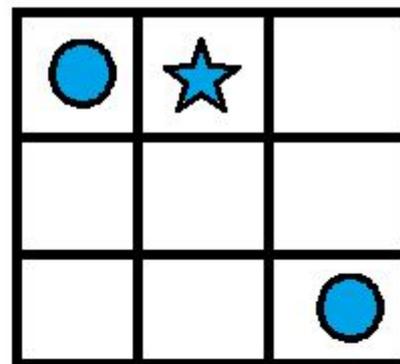
Задание 7



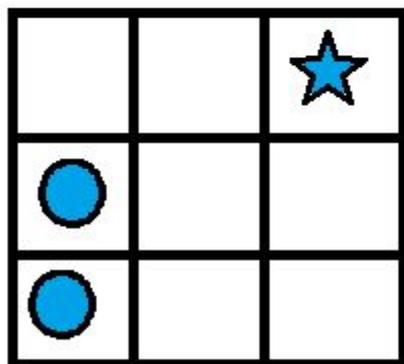
1



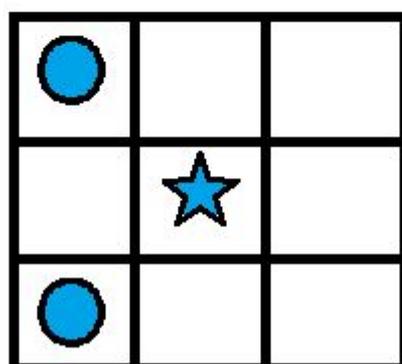
2



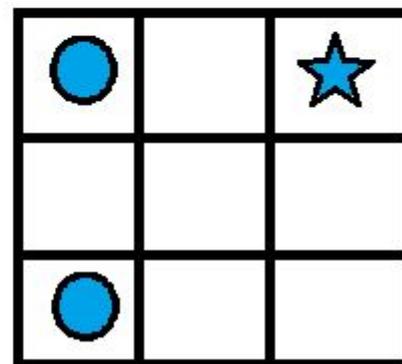
3



4



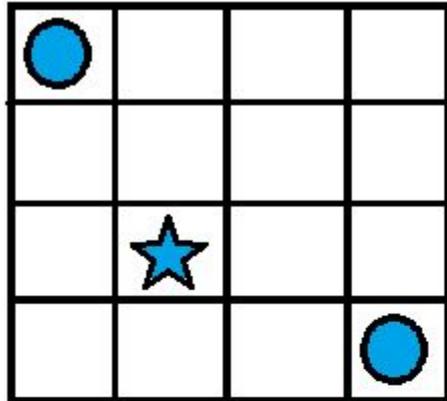
5



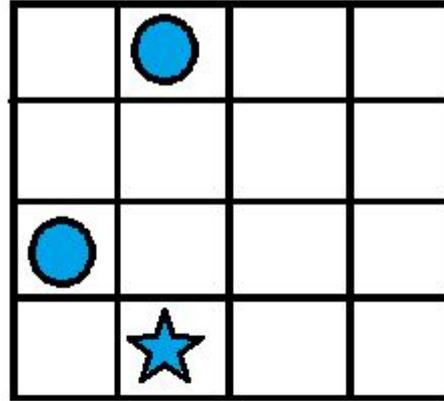
6

ОТ
ВЕТ

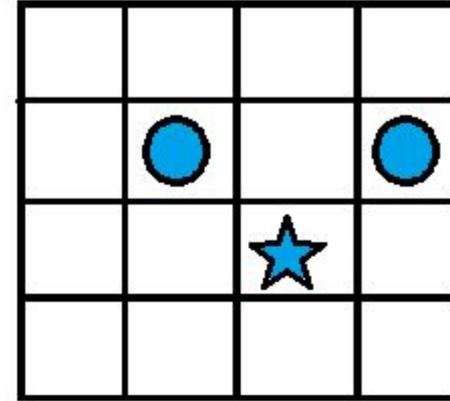
Задание 8



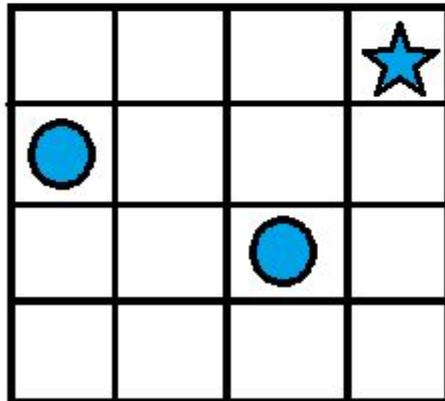
1



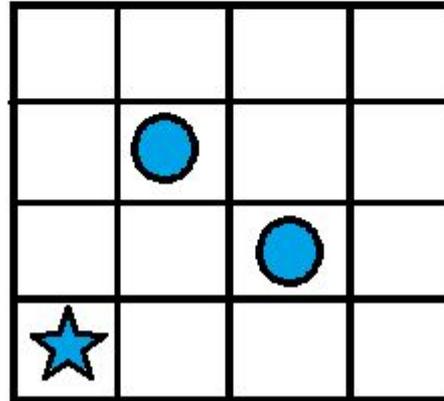
2



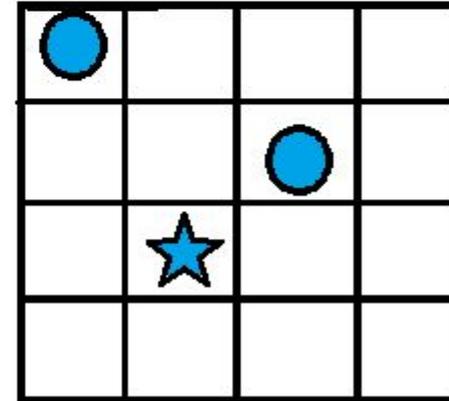
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4

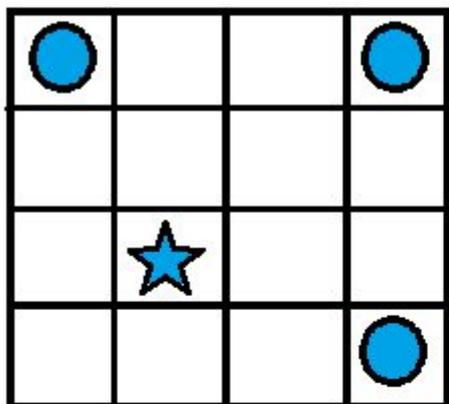


5

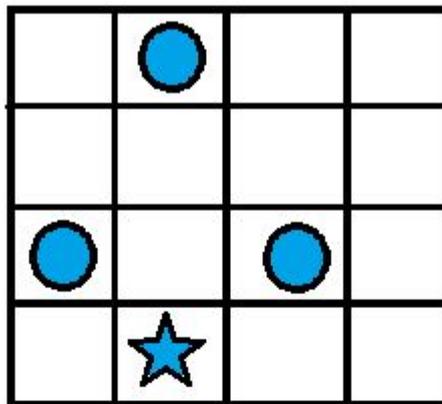


6

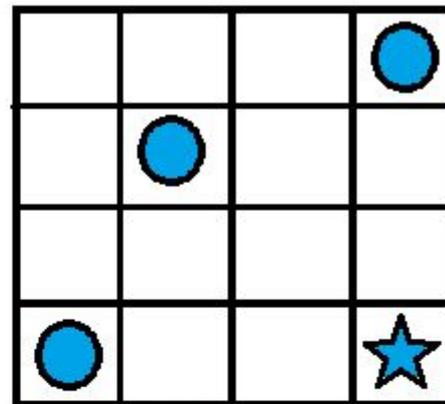
Задание 9



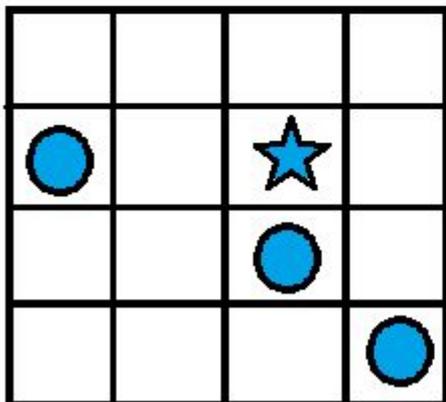
1



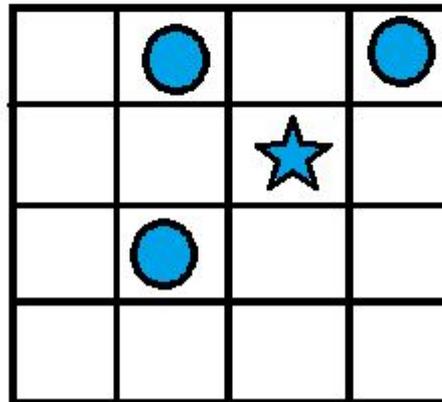
2



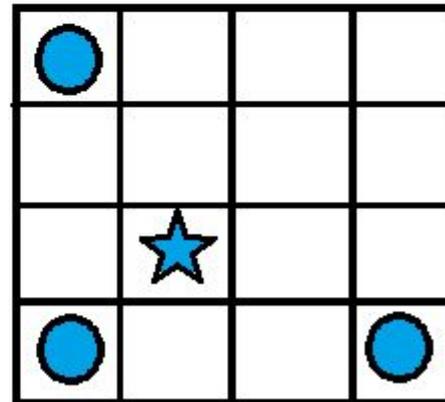
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4

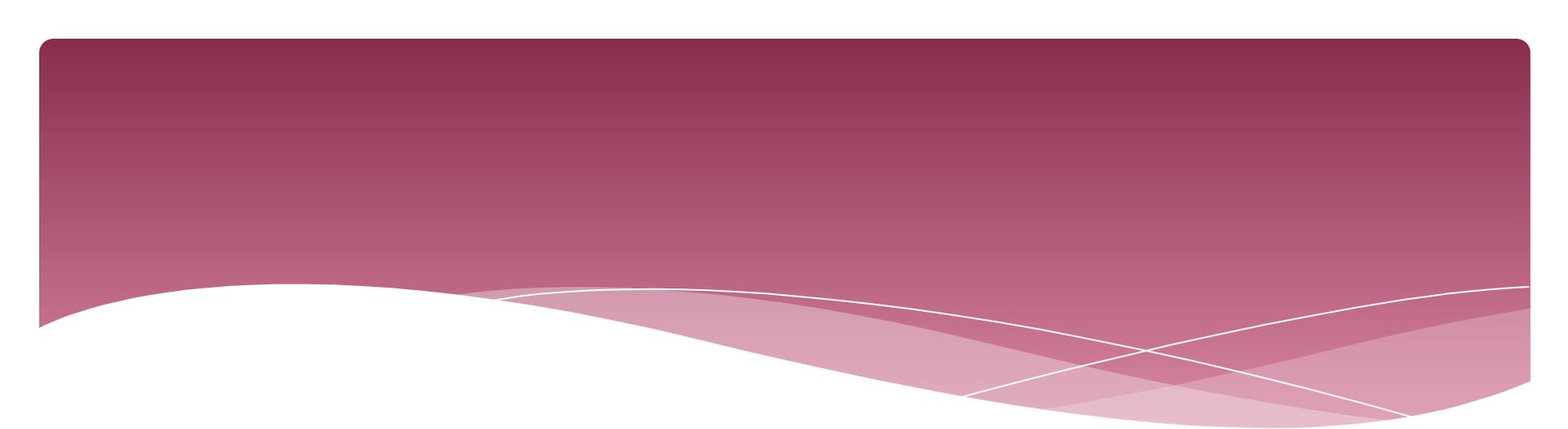


5



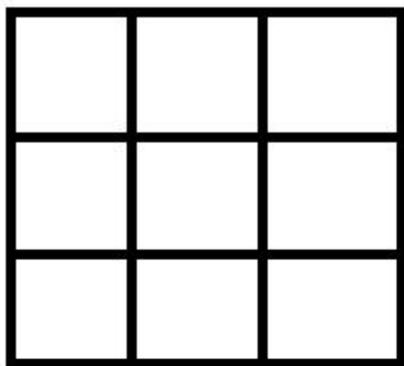
6

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ВЕ
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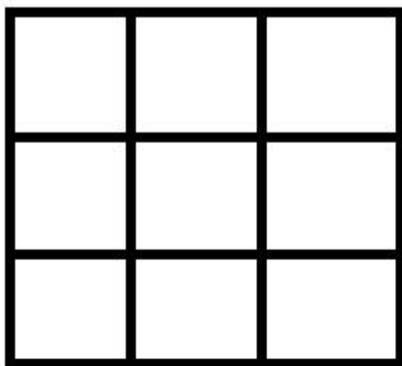


Домашнее задание

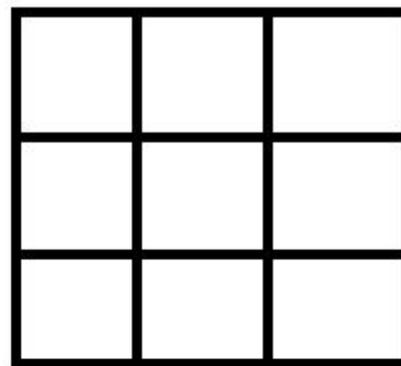
Составьте свою собственную задачу



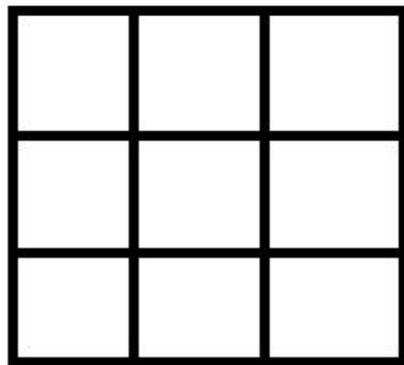
1



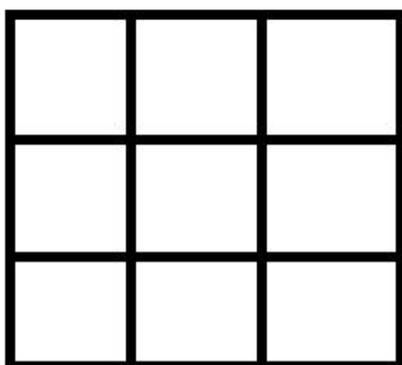
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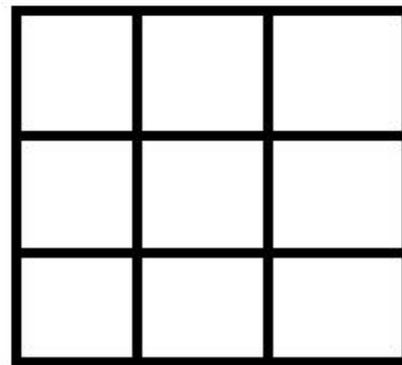
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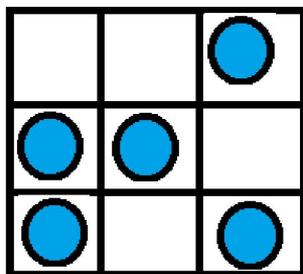


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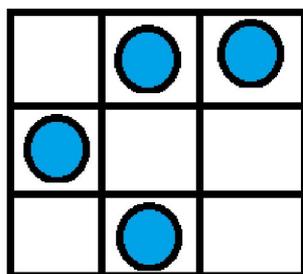


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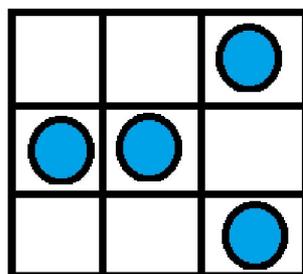
Ответ Задания 1.



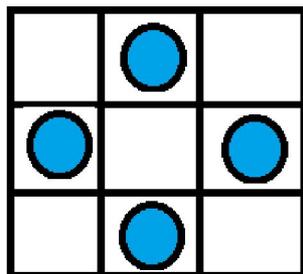
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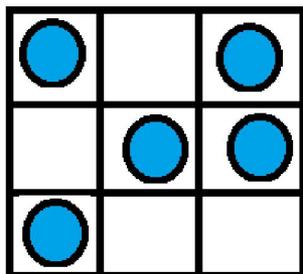
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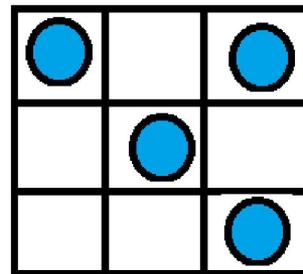
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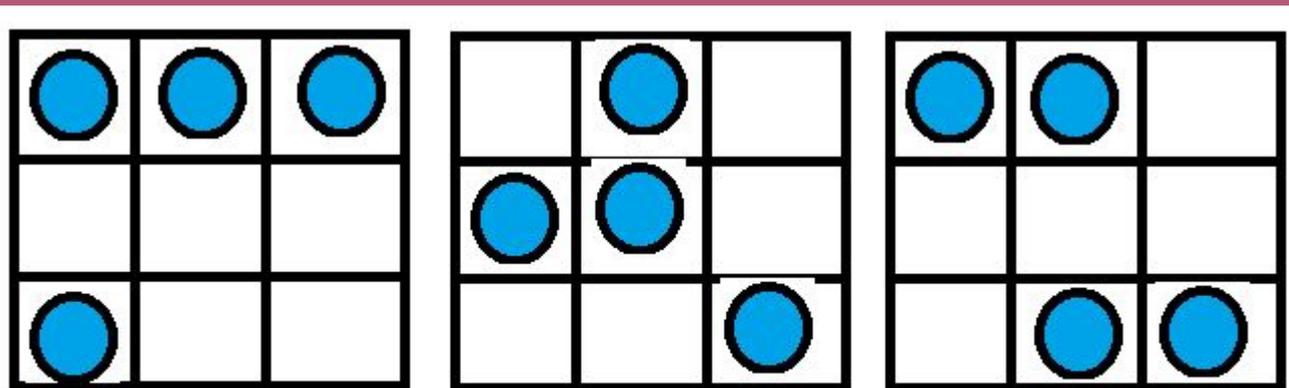


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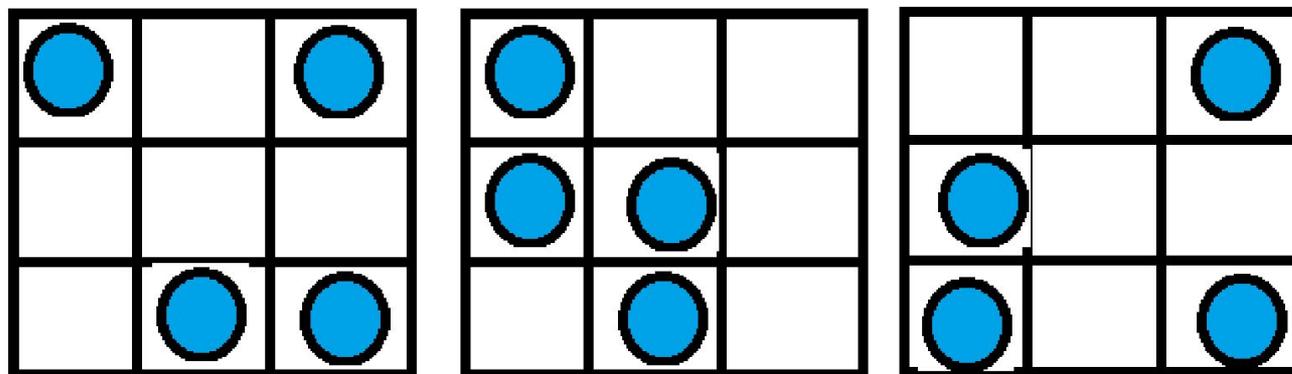
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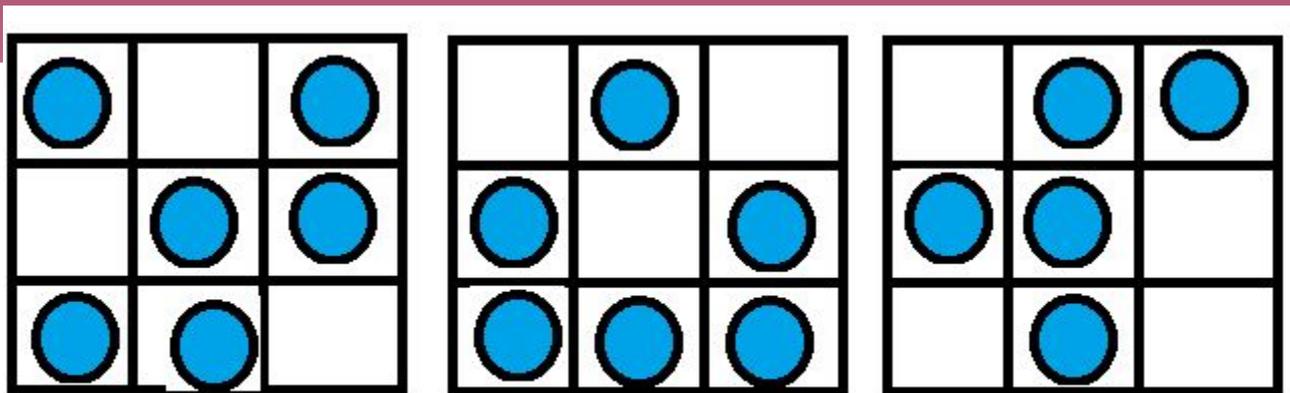
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Ответ Задания 3.

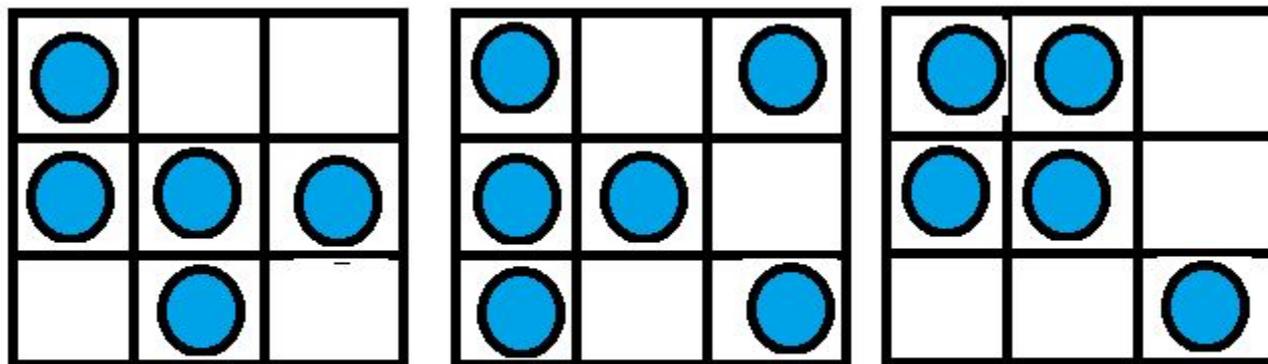
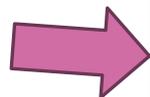
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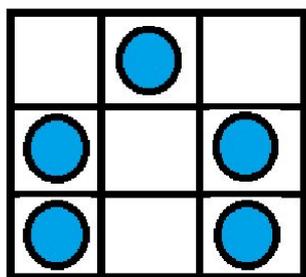
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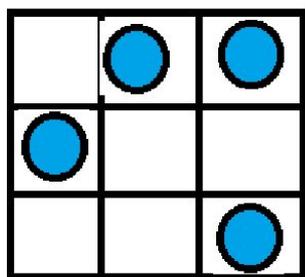
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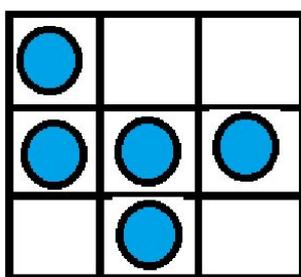
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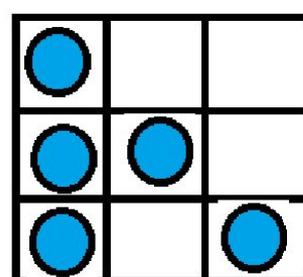
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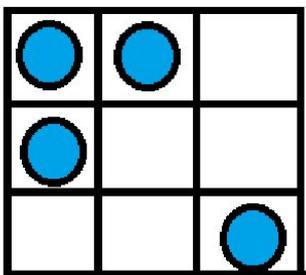
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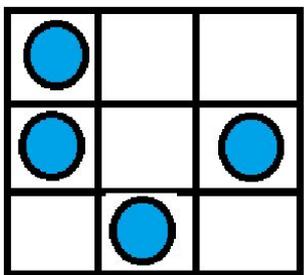
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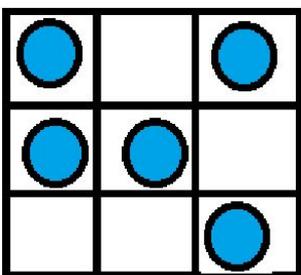
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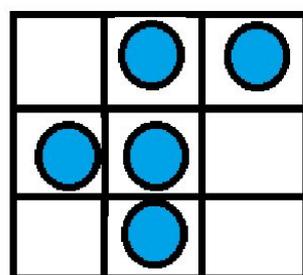
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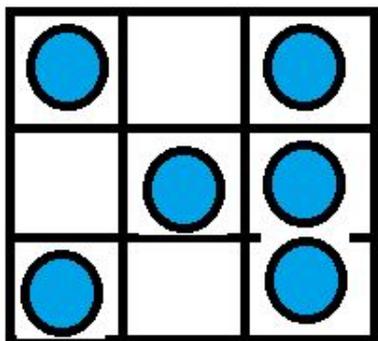


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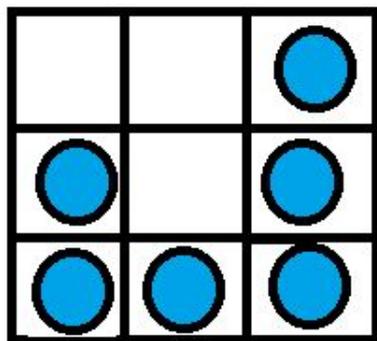


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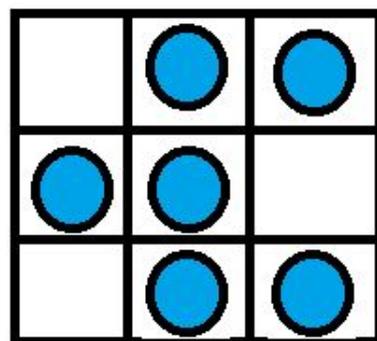
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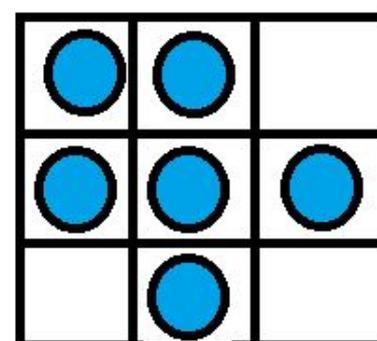
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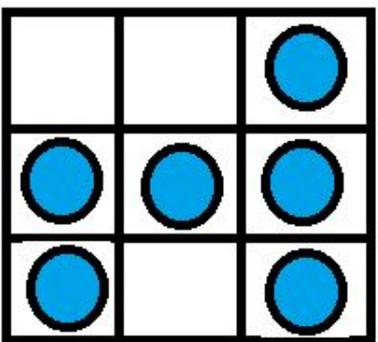
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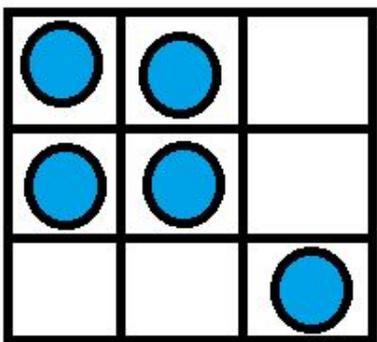
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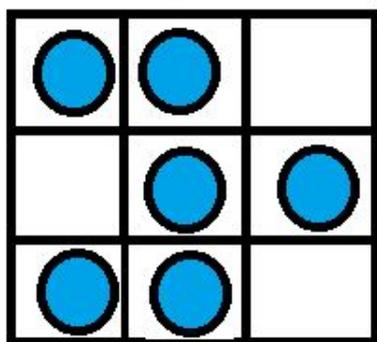
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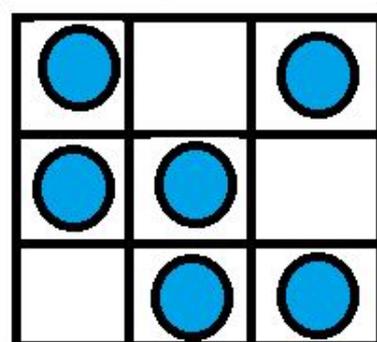
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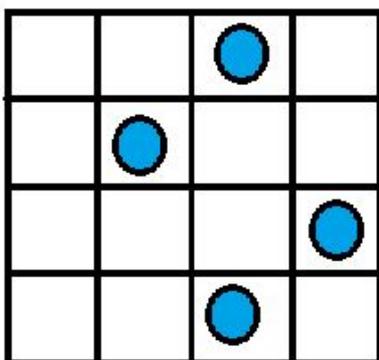
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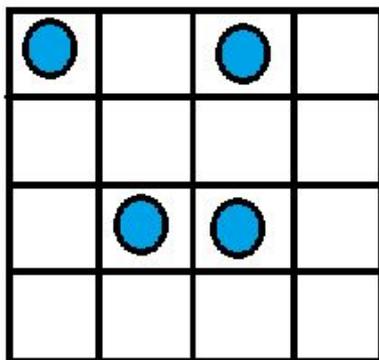
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Ответ Задания 6

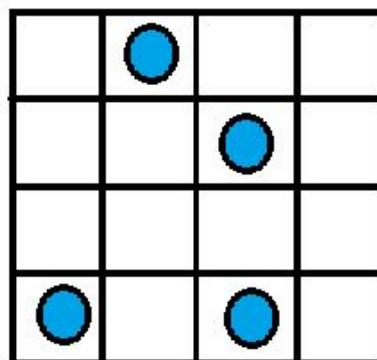
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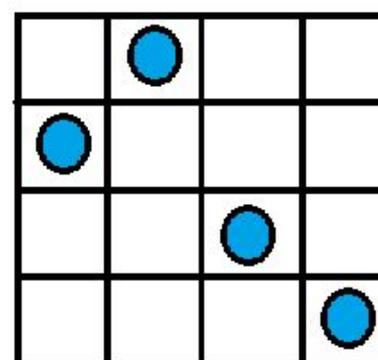
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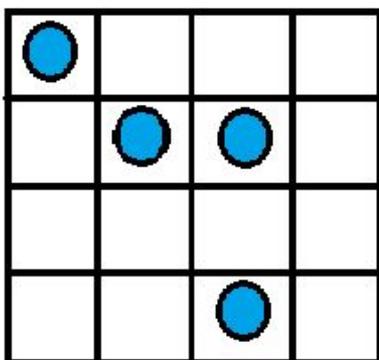
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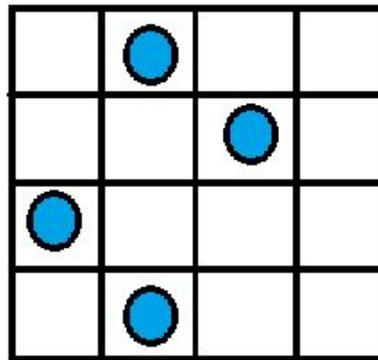
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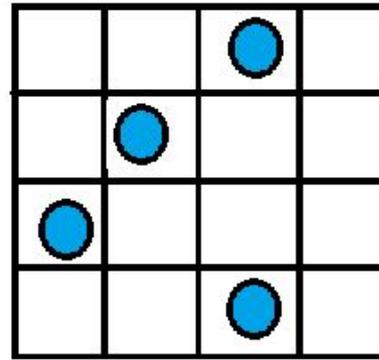
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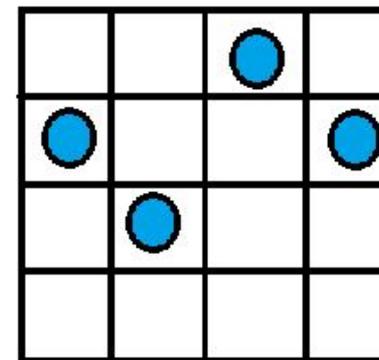
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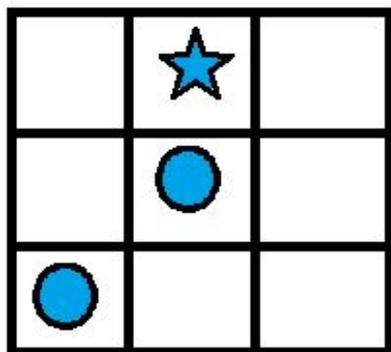


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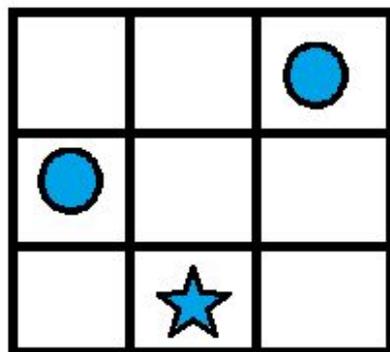


Ответ Задания 7

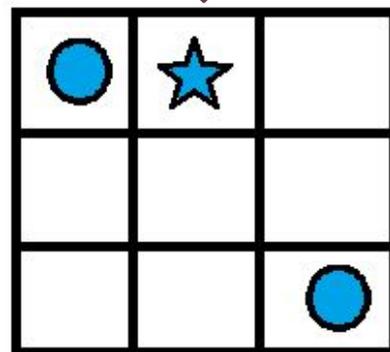
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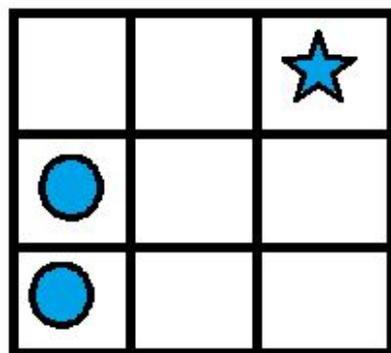
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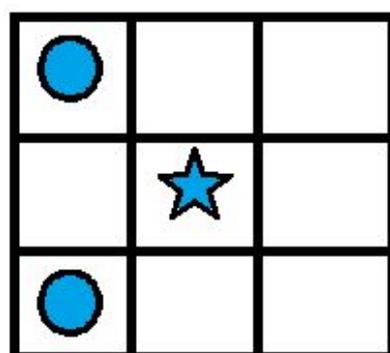
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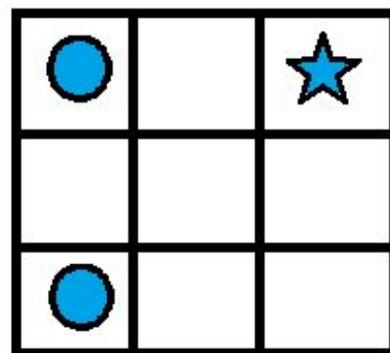
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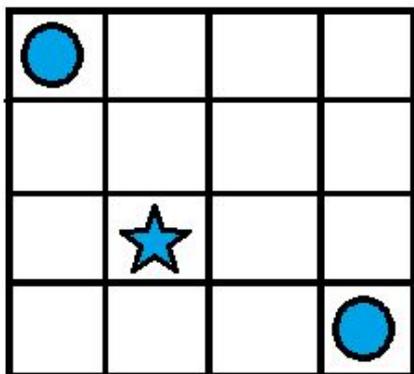


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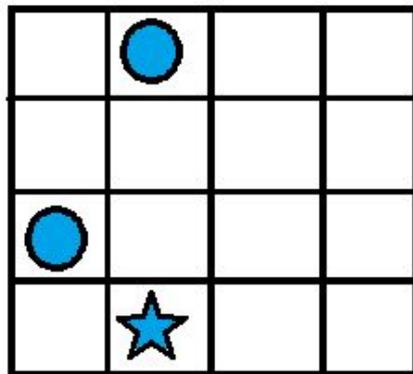


Ответ Задания 8

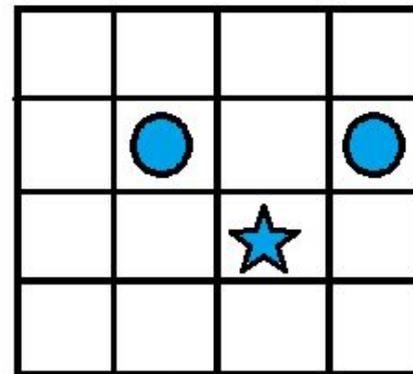
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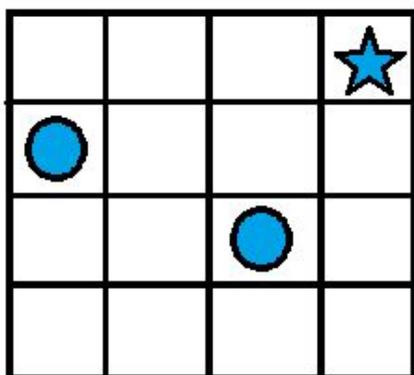
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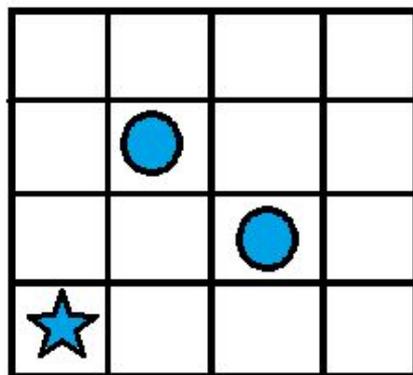
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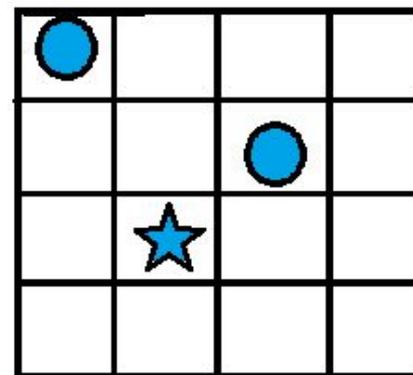
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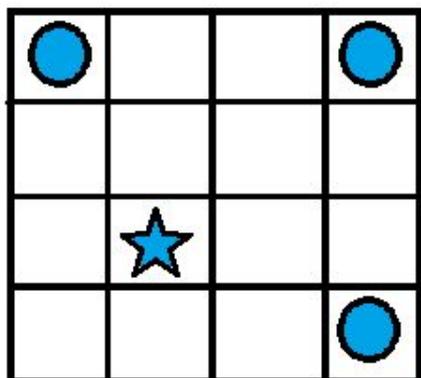


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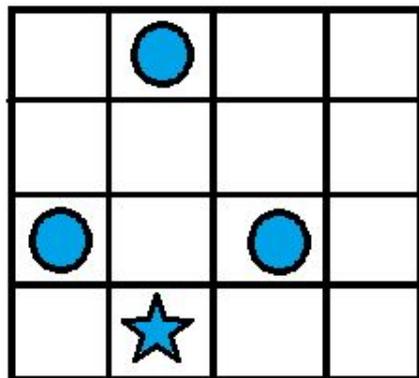


Ответ Задания 9

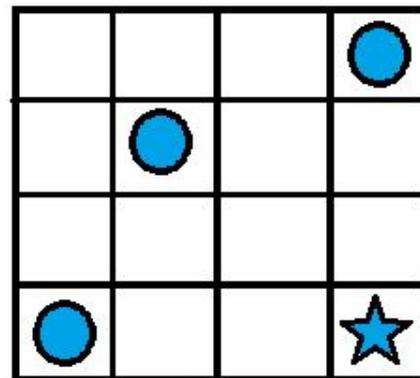
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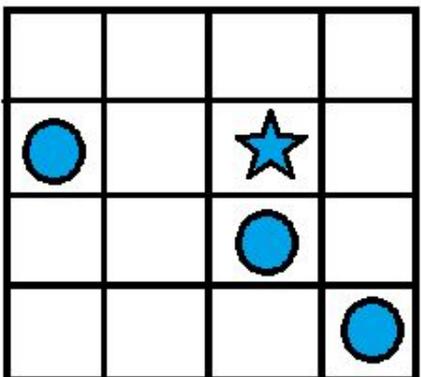
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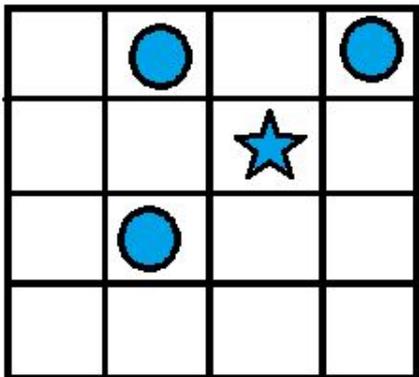
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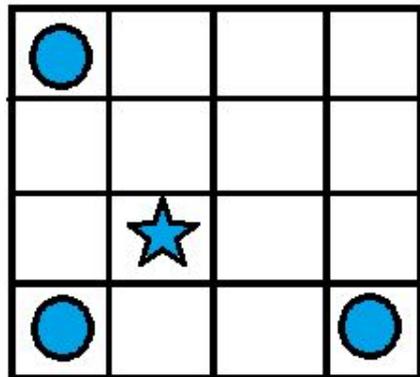
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