

Matchsticks puzzles set 1

Written by Liz Gibbs

The Busy Lizzie Maths Library

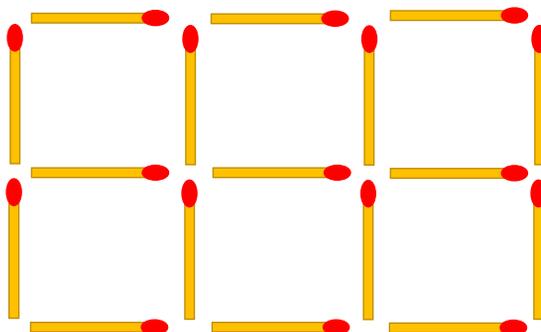
Matchsticks 1

Look at this arrangement of matchsticks.

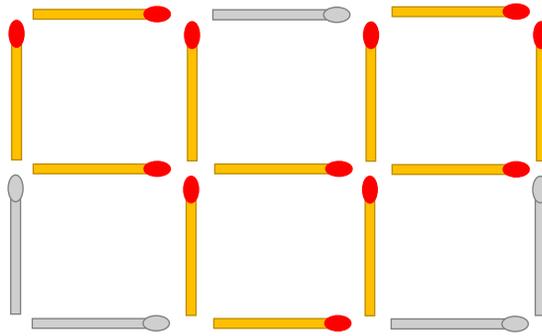
Make this arrangement on your table.

Can you remove 5 matchsticks and make 3 squares?

The squares must be the same size.

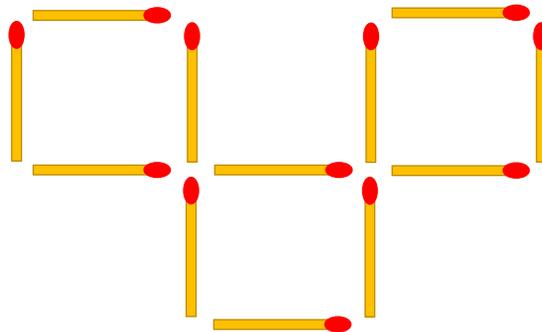


Matchsticks 1



The grey matchsticks are the ones you are going to remove.

Matchsticks 1



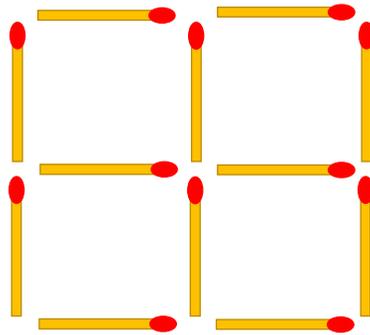
There are 3 squares left.

Matchsticks 2

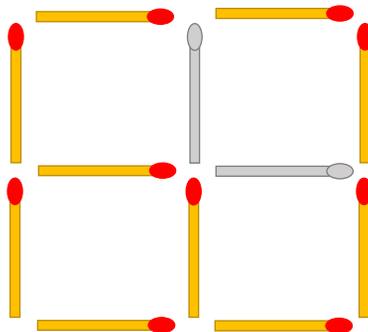
Look at this arrangement of matchsticks.

Make this arrangement on your table.

Can you remove 2 matchsticks to make 2 squares?

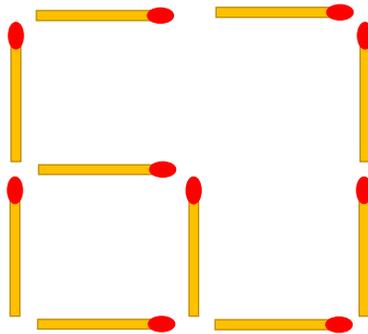


Matchsticks 2



The grey matchsticks are the ones you are going to remove.

Matchsticks 2



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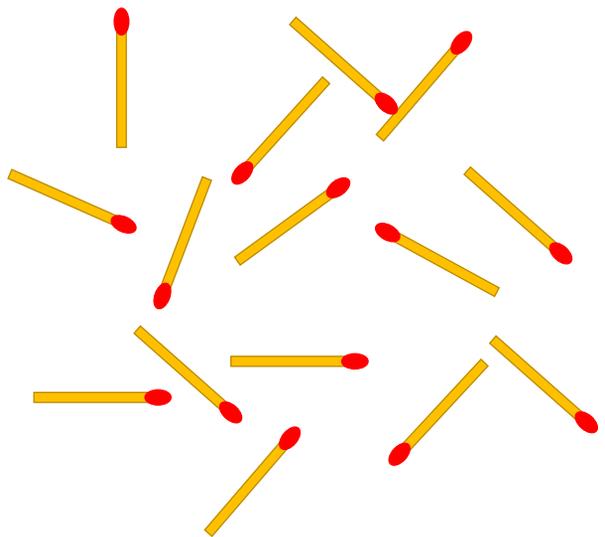
Matchsticks 3

Here are 15 matchsticks.

You will need 4 matchsticks to make one square.

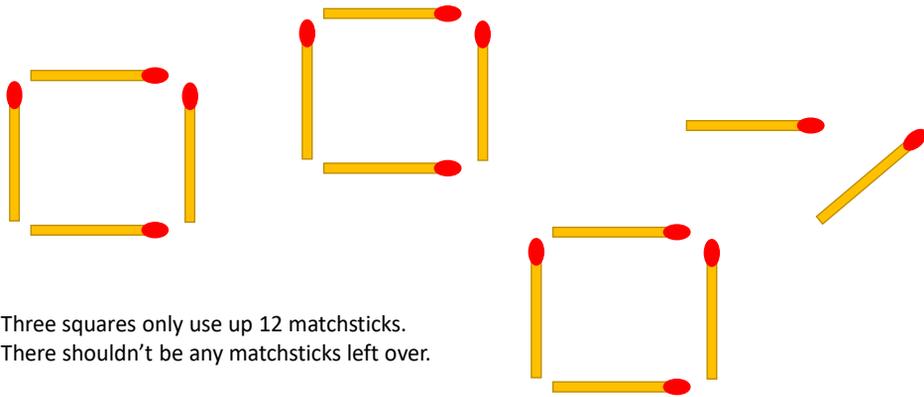
How many squares can you make?

What is the greatest number of squares you can make from 15 matchsticks?



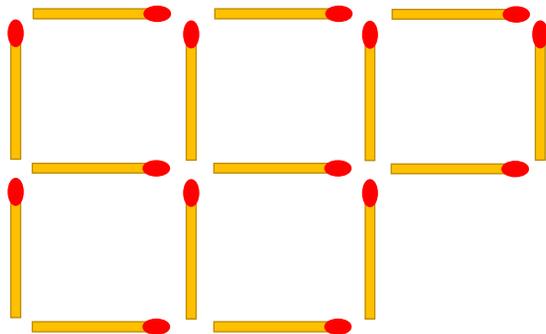
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Matchsticks 3



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Matchsticks 3



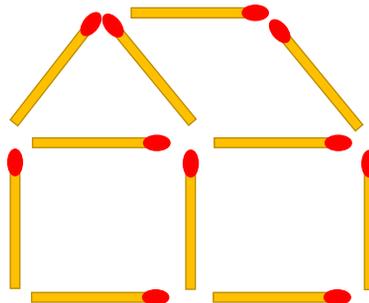
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Matchsticks 4

Look at this arrangement of matchsticks.

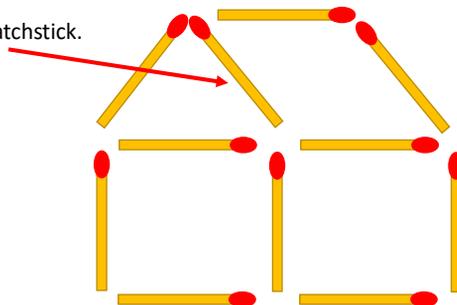
Make this arrangement on your table.

Can you move just one matchstick to make the house face the other way?

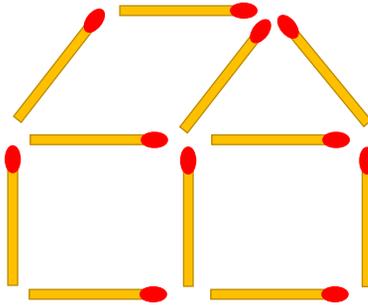


Matchsticks 4

Move this matchstick.



Matchsticks 4



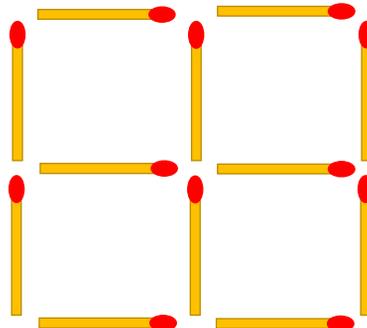
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Matchsticks 5

Look at this arrangement of matchsticks.

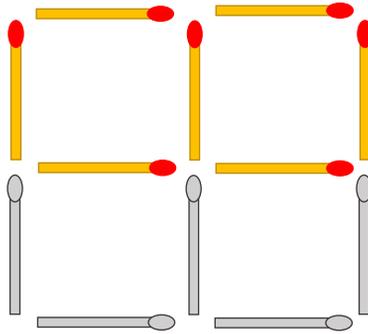
Make this arrangement on your table.

How many matchsticks must you remove to leave two squares?



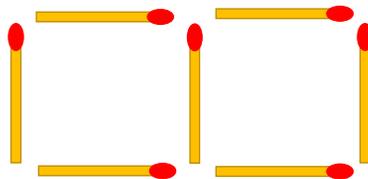
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Matchsticks 5

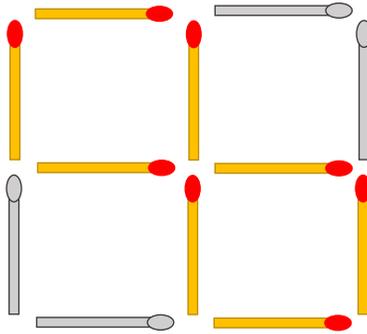


The grey matchsticks are the ones you are going to remove.

Matchsticks 5

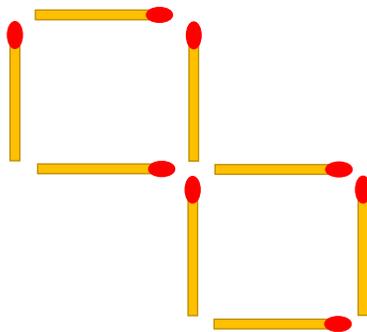


Matchsticks 5

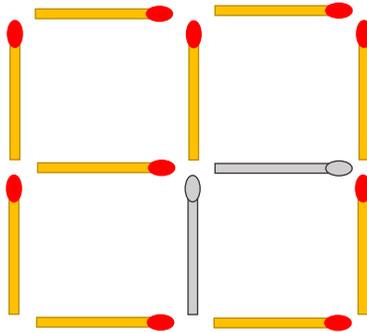


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Matchsticks 5

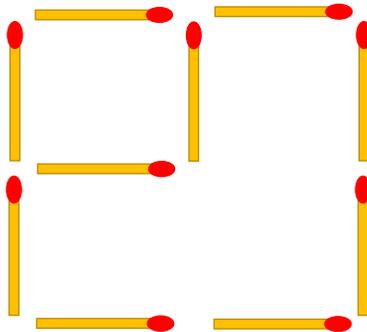


Matchsticks 5

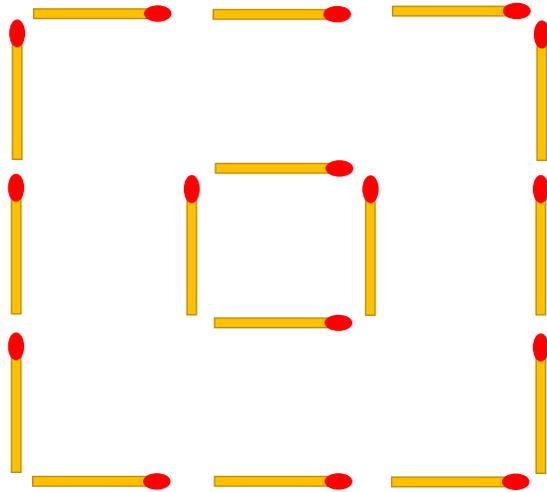


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Matchsticks 5

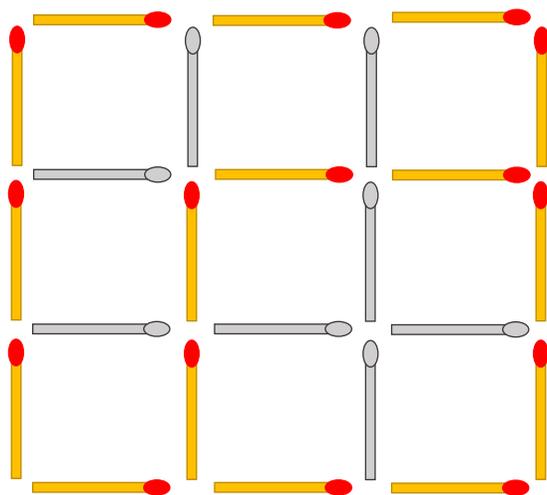


Matchsticks 6



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Matchsticks 6



The grey matchsticks are the ones you are going to remove.

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Matchsticks 6

