



# Defend the Room: Round 1

## Bedroom Defense, Round 1 (Good Hacking)

Below, write down a Bedroom Defense scenario you think your peers might not have thought of.

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In the table below, start by writing the names of three of your peers, who will play your fellow “good hacks”.

Take turns reading your Bedroom Defense scenarios. After someone finishes reading their scenario, determine whether your algorithm works in that scenario (consulting with your peers if necessary; if there’s any there’s any doubt, it probably didn’t pass). Write down the result in the appropriate row in the third column.

When it’s your turn to read your scenario, take note of whether your scenario breaks down your peers’ algorithms, and note a yes or no in the third column.

Name of fellow hacker	Did your algorithm pass their scenario? (yes/no)	Did your scenario defeat their algorithm? (yes/no)
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For every time you wrote “yes” in the table above (i.e. every time your scenario beat an algorithm, your algorithm beat a scenario), you get a point! Tally your points, and write the number below!

**Total points, Round 1 \_\_\_\_\_**

After your points are tallied, go back and make any necessary changes to strengthen your algorithm.

# Defend the Room: Round 2

## Bedroom Defense, Round 2 (Bad Hacking)

This time, you're not just thinking of ordinary scenarios. You're pretending to be a malicious agent (your cousin) who's out to ruin your plans for some reason. Write out an attack Mallory might use to reveal your secret!

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Pair up with one partner, and similarly to last time, share your scenarios (which this time are malicious attacks).

Does your attack defeat your partner's algorithm?

If the answer is yes, give yourself 5 points!

Does your algorithm survive your partner's attack?

If the answer is yes, give yourself 10 points! Tally your points below!

**Total points, Round 2** \_\_\_\_\_

After your points are tallied, make any more changes you need to in order to strengthen your algorithm.

# Defend the Room: Round 3

## Bedroom Defense, Round 3 (Doomsday Grandma)

Phew! Mallory has decided not to wreck things for you after all. But she's texted to let you know that your grandma's at the door!

Does your algorithm for Bob keep your secret safe, and your mom happy, in all the chaos caused when your grandma arrives? She will *insist* on seeing you, after all, and how does anyone resist a grandma?

If your algorithm for Bob still works, give yourself 20 points. Go back to the previous rounds, and fill in the values below.

Add up your points for the entire game!

Total points, Round 1 \_\_\_\_\_

Total points, Round 2 \_\_\_\_\_

Total points, Round 3 \_\_\_\_\_ (this round)

**Total total points!** \_\_\_\_\_