

# Grand Challenge — Solution Sheet

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Name: \_\_\_\_\_ Date: \_\_\_\_\_

Testing Partner(s): \_\_\_\_\_

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## Constraints (read before writing!)

Constraint	Requirement
Max lines	20 (including lines inside loops)
Must use	At least 1 REPEAT loop
Must use	At least 1 IF/ELSE
Must be	Testable by another pair acting as robots

Starting values: score = 10, key = False

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## Planning Sketch

Mark your planned route on this mini-map:

```

      A B C D E F G H
1 [S][ ][ ][ ][ ][ ][ ][ ][ ]
2 [ ][ ][ ][ ][ ][ ][ ][ ][ ]
3 [ ][ ][ ][ ][ ][ ][ ][ ][ ]
4 [ ][ ][ ][ ][K][ ][ ][ ][ ]
5 [ ][ ][ ][ ][ ][ ][ ][ ][ ]
6 [ ][ ][ ][ ][?][ ][G][ ][ ]
7 [ ][ ][ ][ ][ ][ ][ ][ ][ ]
8 [ ][ ][ ][ ][ ][ ][ ][ ][X]
    
```

## My Algorithm

#	Instruction
1	
2	
3	
4	
5	

#	Instruction
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	

**Total lines used:** \_\_\_ / 20

## Peer Test Results

*Filled in by the TESTING PAIR:*

**Testing pair names:** \_\_\_\_\_

**Steps completed successfully:** \_\_\_ / 20

**First failure at line:** \_\_\_

**Description of what went wrong:**

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**Overall verdict:** Complete success / Partial success / Could not navigate to exit

## Author's Response

*Filled in after receiving feedback:*

**What I fixed:**

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**Why the bug occurred:**

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Reflection

**Which was harder: writing the algorithm or testing someone else's? Why?**

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**If you had to solve this in 10 lines instead of 20, what would you need to change?**

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