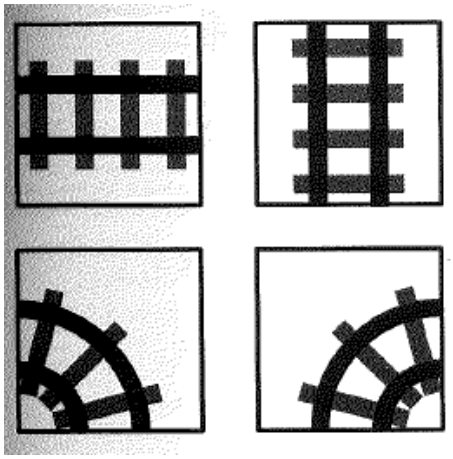
Train Tracks – logic puzzles

 ISBN 978-0-00-830169-9

Instructions:

Only one of 4 tiles can be placed in each square on the board:



Straight lines.

Bend to the left or the right.

These can be rotated to fit.

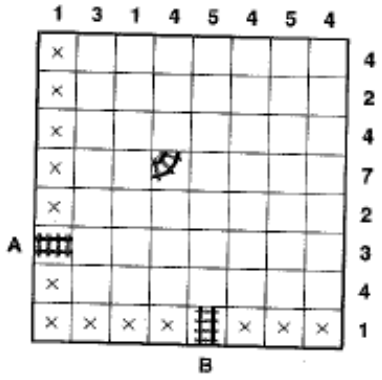
There has to be one continuous train line from the start (A) to the finish (B).

The line cannot cross itself.

Tips:

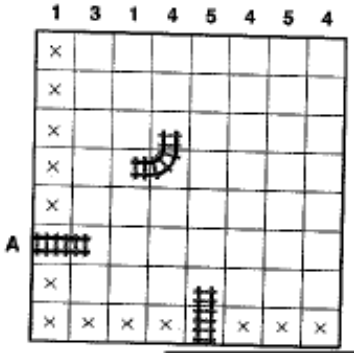
Tip 1

Throughout your solving, it helps to mark cells where pieces of rail cannot go with an X.



Tip 2

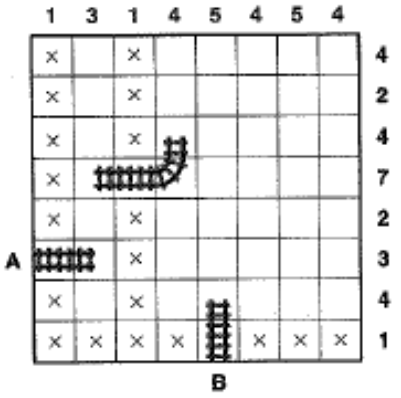
Except for the start (A) and end (B) towns, the train track is one continuous path that travels through cells in the grid. As the track enters any cell it can go either straight on or turn left or turn right. Use the direction of the given pieces of rail to draw in how the track enters its next cells either side. You might not know how the track will exit these new cells yet but more clues can be gained by this small extension of the track.



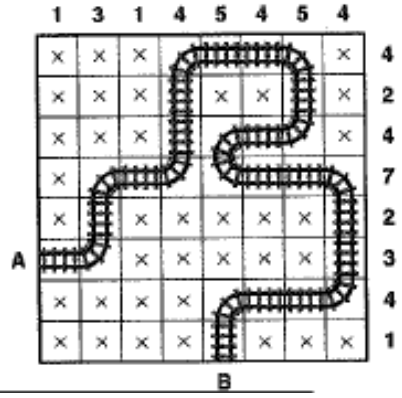
Tip 3

It is also important to consider the functionality of the pieces of rail you use. For example, when a turning piece is used it automatically uses up a minimum of two cells in that row or column – see the curved piece in the fourth row and column in the example from Tip 2.

So, by deduction, a straight piece of rail is the only piece that can be used when there is only one piece of rail allowed in a row or column. For example see column three, here.



These three tips will set you safely on your way to expert rail construction. Don't forget, whatever the problem, the track needs to continue on going and get the train to its destination.
Enjoy the journey.



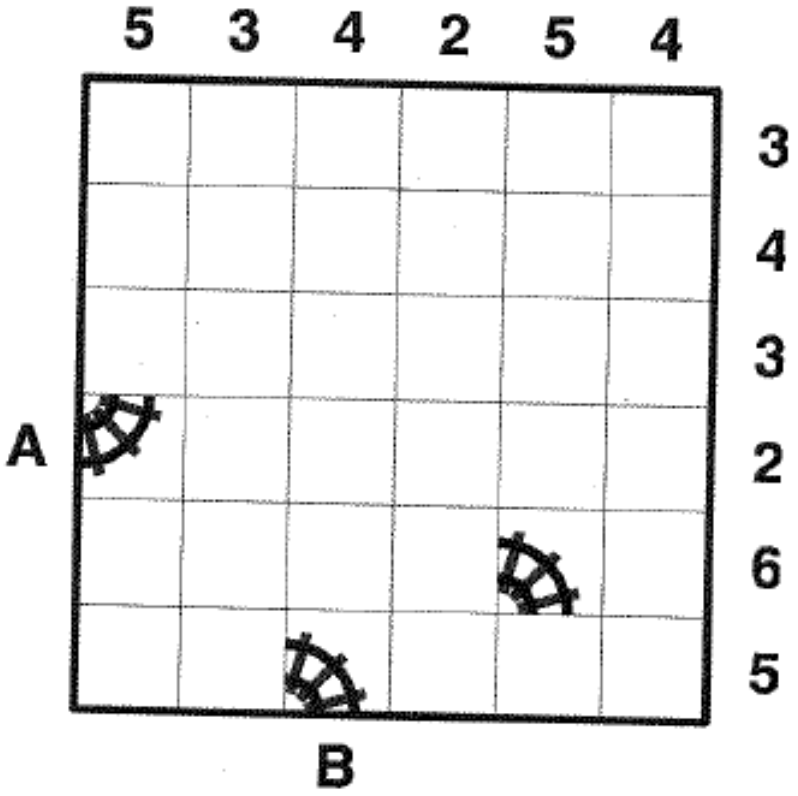
There are three levels of difficulty and below are some examples of each.

If you liked these puzzles, either buy the book to find more, or try making up some of your own.

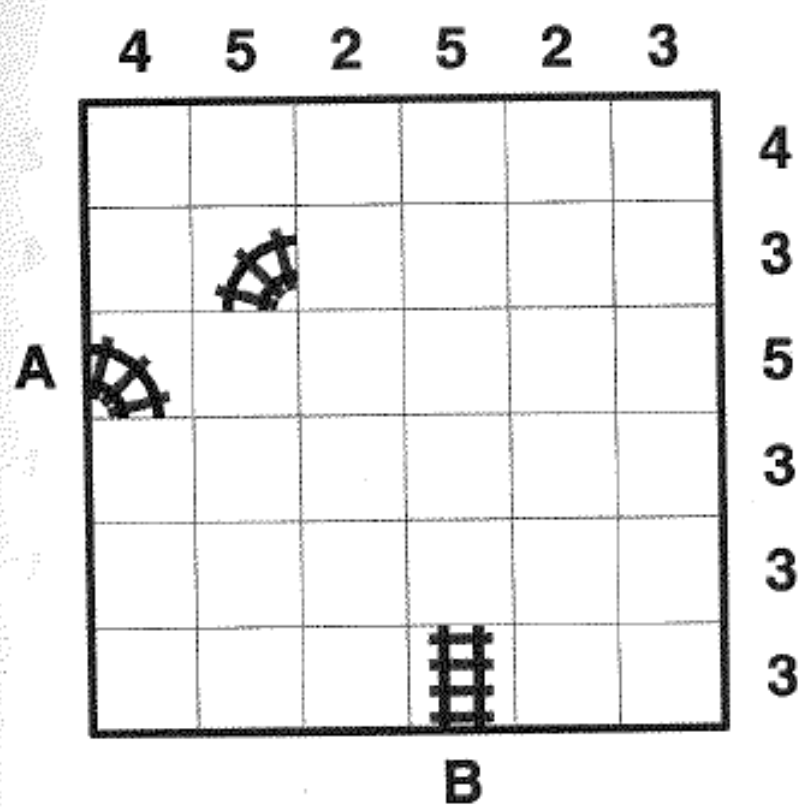
Email me your puzzles: nsmith@melbournvc.org

Easy:

2



3



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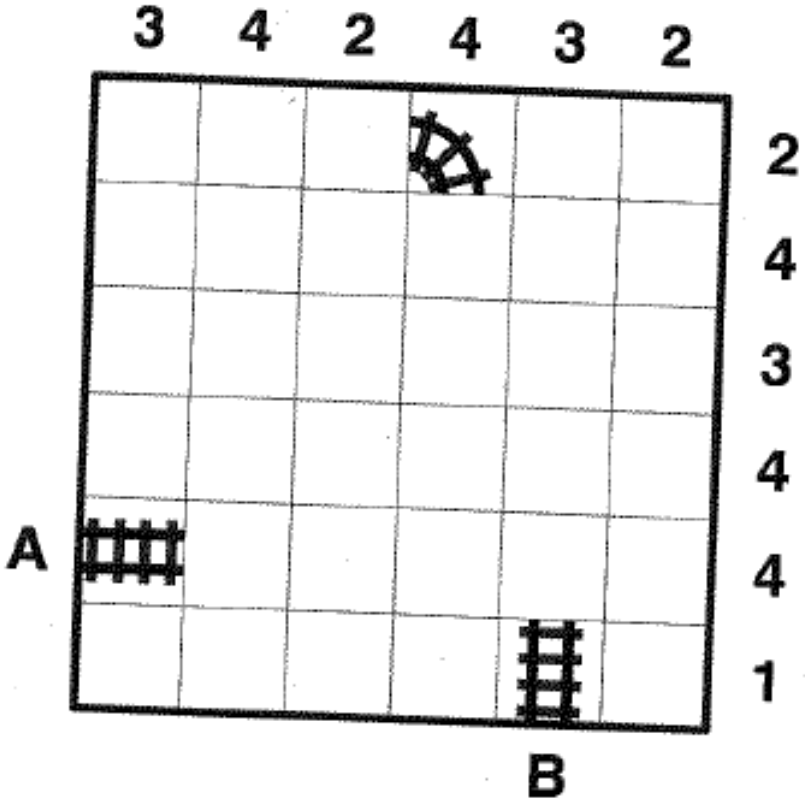
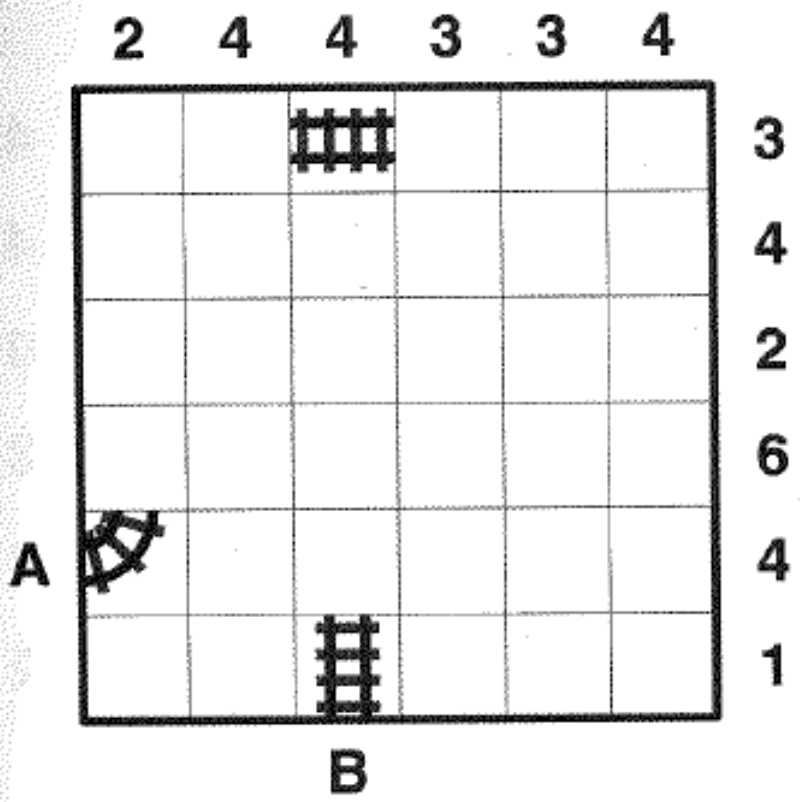
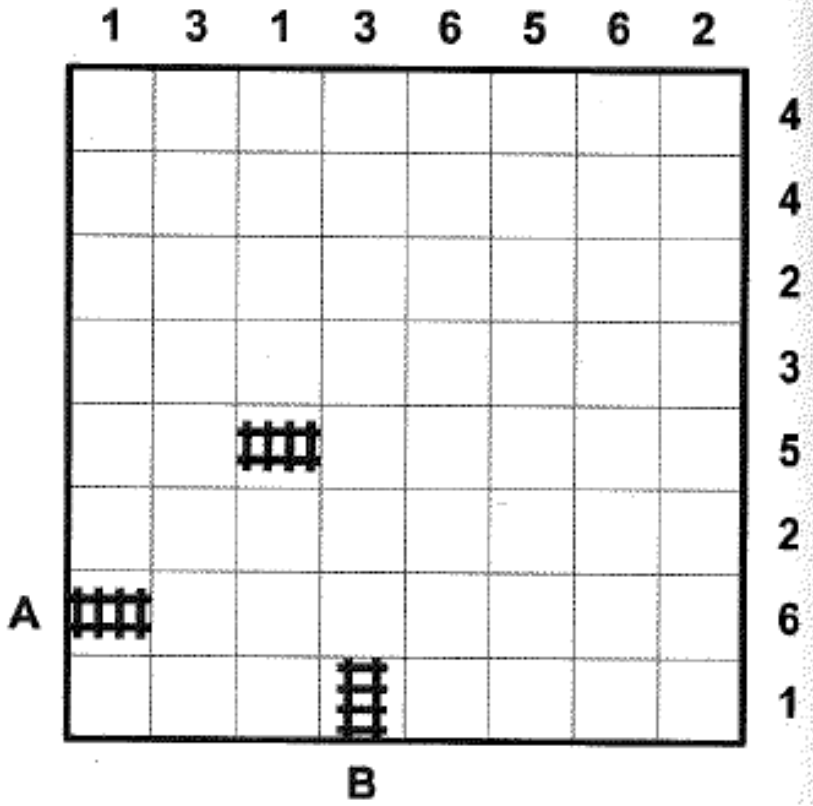


5

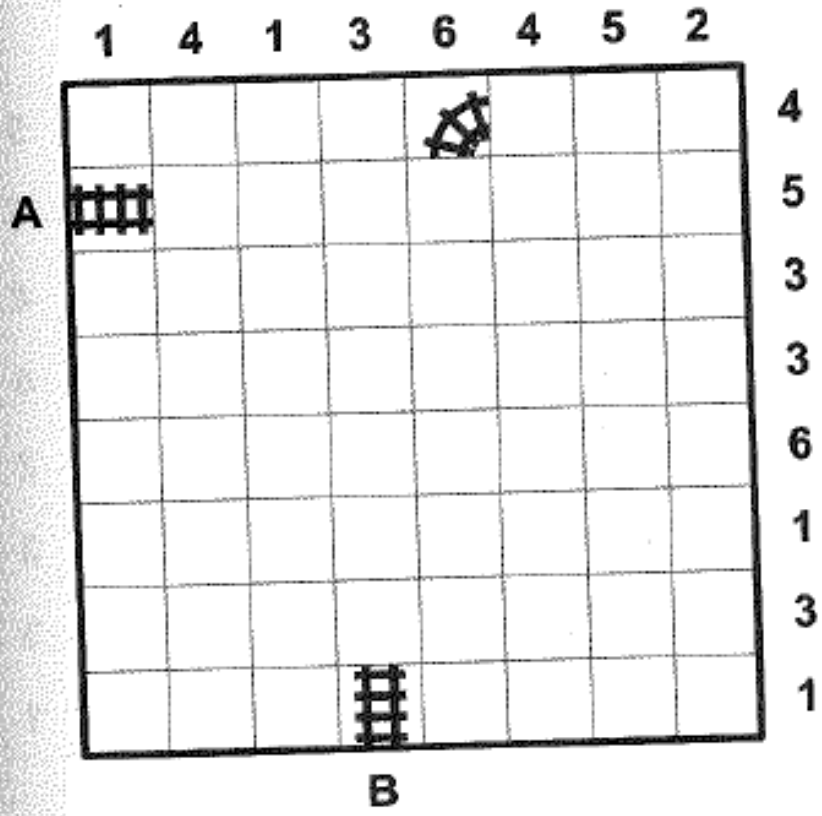


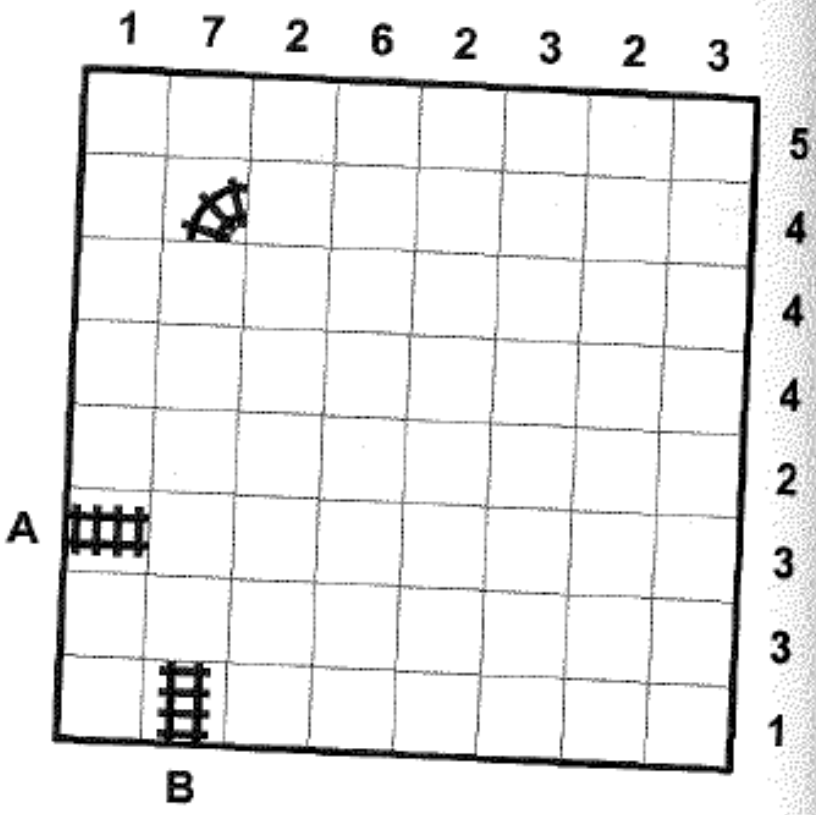
Medium:

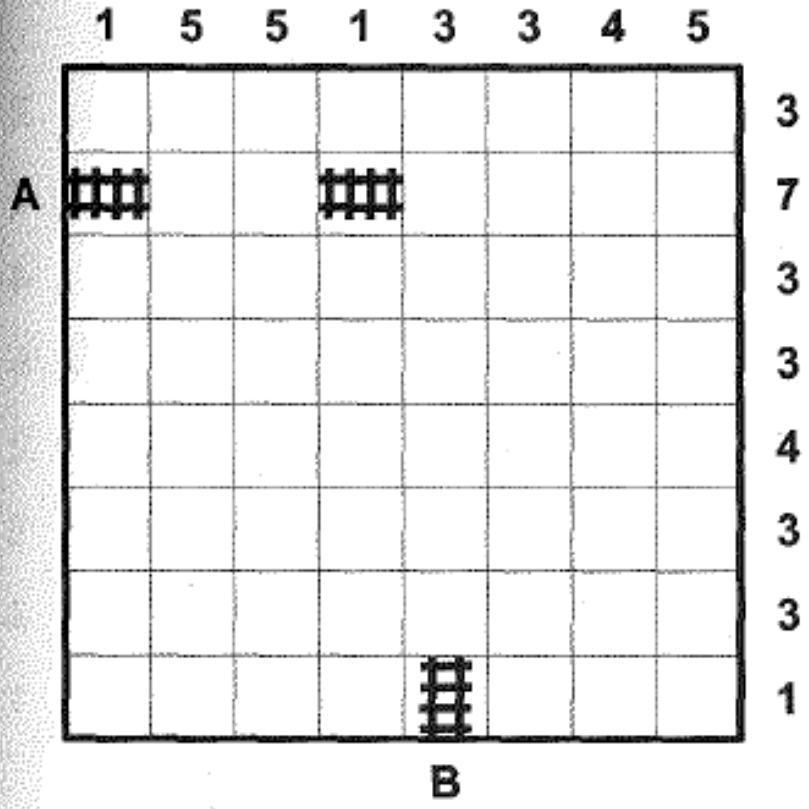
32



33

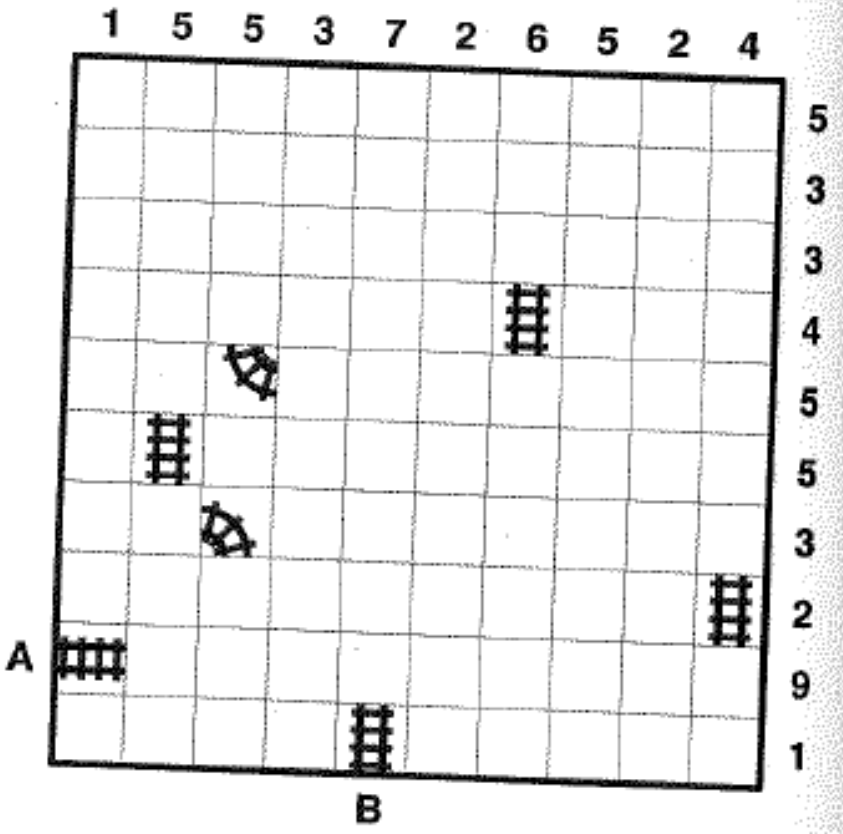



1 7 2 6 2 3 2 3
5
4
4
4
2
3
3
1
A
B

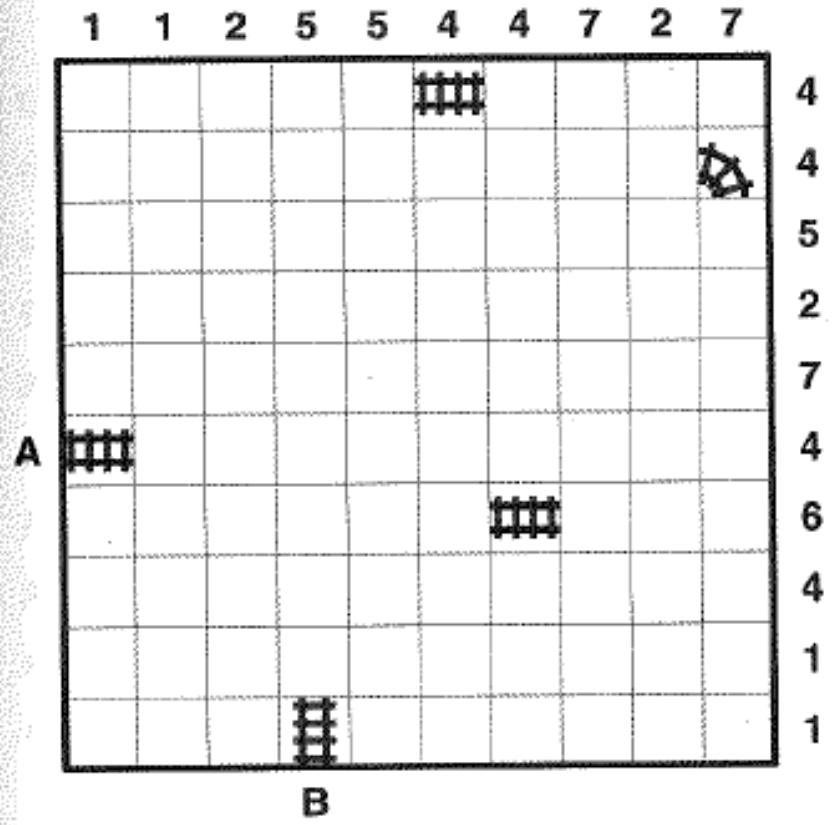

1 5 5 1 3 3 4 5
3
7
3
3
4
3
3
1
A
B

Hard:

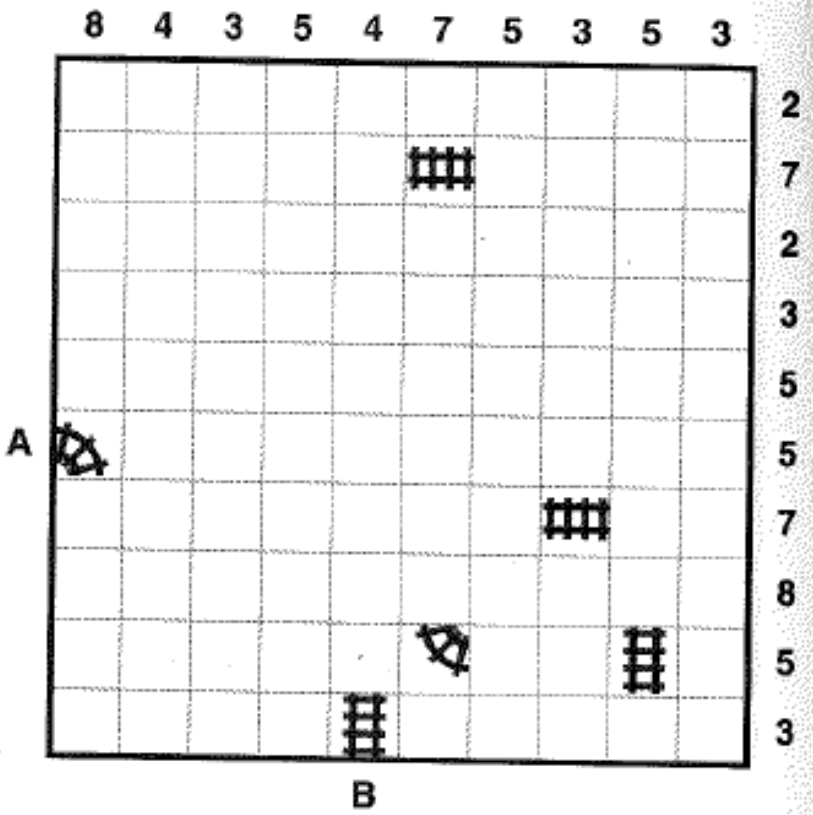
164



165



198



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