

Logic Masters 2019

Round 7 – Land measurement

Time: 30 minutes

Land measurement .....	8 × 20 points
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Total .....	160 points
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Bonus for every 30 seconds remaining .....	2 points

PUNKTE

## Land measurement

8 × 20 Punkte

Blacken some cells of the grid such that for any two black cells there is at most one path along black cells connecting them. The path connects horizontally and vertically neighboring black cells. That means, there cannot be a closed loop on the black cells. Numbers indicate the length of the shortest path that visits all black cells among the four touched cells. An infinity symbol  $\infty$  means that there is no such path.

Every quarter of the diagram can be covered by a different diagram via folding along the thick line. Color all eight quarters such that the above rules are satisfied for each of the 16 possible folding combinations.



