Problem 2 (due Monday, February 20)

Find all positive integers n which have the following property: there is a continuous function  $f:\mathbb R \$  such that for every real number t the equation f(x)=t has either no solutions or exactly t different solutions.

We have not received any solutions. The positive integers in question are exactly all odd natural numbers. For a detailed solution see the following link Solution.

From:

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https://www2.math.binghamton.edu/p/pow/problem2s23

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