

Submit your solutions before the finishing date to the address: ProbOfTheWeek@utdallas.edu



Problem of the Week

Finishing date: 05/03/2016

Define the sequence $\{a_n\}$ as follows: $a_1 = 1$, $a_2 = 2$ and for $k > 2$ we define a_k as the minimal positive integer which is not contained in the set $\{a_1, \dots, a_{k-1}\}$ and is not co-prime (i.e. has common divisor greater than 1) with at least one of them. Does this sequence contain 2017?

Previous problem winners:

Ethan Payne

and

Mark Sowders,

based on slightly different interpretations
of the problem statement.

All the information about the Problem of the Week challenge can be found at <http://ProbOfTheWeekUTD.wordpress.com>

