

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

Problem of the Week

Finishing date: 02/17/2017

Determine whether the following matrix is invertible or not.

$$\begin{bmatrix} 1 & 2 & 3 & \dots & 2016 & 2017 \\ 2^2 & 3^2 & 4^2 & \dots & 2017^2 & 2018^2 \\ 3^3 & 4^3 & 5^3 & \dots & 2018^3 & 2018^3 \\ \vdots & \vdots & \vdots & \dots & \vdots & \vdots \\ 2017^{2017} & 2018^{2017} & 2018^{2017} & \dots & 2018^{2017} & 2018^{2017} \end{bmatrix}$$

Previous problem winners:

Scott Goodson (First solution)
and Iakov Rachinskiy



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

