

PUZZLE OF THE WEEK (2/23/2017 - 3/1/2017)

Let n be a positive integer. Find, in terms of n, the value of the determinant of the matrix

1	L	2	3	 n-2	n-1	n
	2	3	4	 n-1	n	n
	3	4	5	 n	n	n
.	•			 		
<i>n</i> -	- 1	n	n	 n	n	n
\ <i>1</i>	ı	n	n	 n	n	n

and justify your claim.

- The only correct solution of the Puzzle of the Week #5 was submitted by Leo DiGiosia. Congratulations to Leo!
- One possible complete solution of the Puzzle #5 is posted online. (Look for the Puzzle of the Week announcements on the departmental web-page.)
- Solvers should include their full name and some kind of a contact information. Solutions should be submitted to **Iva Stavrov** in BoDine 305; email submissions are encouraged (istavrov at lclark). Solutions should be received by the end of the day on **March 1st**, **2017**.