

Problem 11: Get Your Dots in a Row

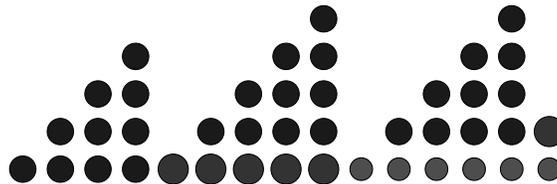
USMA D/Math Problem of the Week

Submission Deadline: February 7, 2008 at 1600

Circle one: cadet faculty non-usma student non-usma faculty other

Problem Statement:

The first fifteen elements of a sequence $\{x_i\}$ are depicted graphically below:



In other words, the sequence is $x_1 = 1, x_2 = 2, \dots, x_{10} = 1, \dots, x_{15} = 2$.

What is x_{57} ?

Submit your answer to Dr. Elisha Peterson at ae3263@usma.edu with the subject line **WP POTW...** or drop your solution off in my mailbox or on my desk (with date and time please!)