

Overview:	Perform an arithmetical operation on an array.
Description:	Given an array, raise each $i^{\text{th}}$ element to the power of the $i+1^{\text{th}}$ element (except for the last element, which is raised to its own power). Take the average of each of these values.
Filename:	nov3.{java, cpp, py}
Input:	The first line of the file is the size of the array, the number of lines to follow. Each successive line is an element of the array.
Output:	The value of the computation.
Assumptions:	$2 \leq N \leq 15$ , where $N$ is the size of the array. Every element will be between 1 and 8, inclusive
Sample Input 1:	2 2 2
Sample Output 1:	4