20/12/2017	Day 16 - Advent of Code 2017	
Advent of Code <y>2017</y>		csch (AoC++) 24*
	mutation Promenade	Our sponsors make Advent
dancing.	very unusual sight; a group of programs here appear to be	Code possibl
There are sixteen programs in total, named a through p. They start by standing in a line: a stands in position 0, b stands in position 1, and so on until p, which stands in position 15.		Cheppers - xor(Pz0pQUI7 cmER8YDAEYAh
The programs' da	ance consists of a sequence of dance moves:	$\uparrow \uparrow \downarrow \downarrow \leftarrow \rightarrow \leftarrow \rightarrow B$
- Spin, written SX, makes X programs move from the end to the front, but maintain their order otherwise. (For example, S3 on abcde produces cdeab).		By popular demand, ther
	ritten [xA/B], makes the programs at positions [A] and [B] swap	now AoC-them objects avai
- Partner, written pA/B, makes the programs named A and B swap places.		(until Jan. Get them shi
For example, wit	e, with only five programs standing in a line (abcde), they could from the from Euro	
$ \overline{\times 3/4}$ , swapp	of size []: [eabcd]. ing the last two programs: [eabdc]. ing programs [e] and [b]: [baedc].	
After finishing	their dance, the programs end up in order baedc.	
	ance for a while and record their dance moves (your puzzle order are the programs standing after their dance?	
Your puzzle ansv	wer was <mark>bijankplfgmeodhc</mark> .	
The first half o	of this puzzle is complete! It provides one gold star: *	
Part Two		
_	starting to get a feel for the dance moves, you turn your e dance as a whole.	
programs perform	itions they ended up in from their previous dance, the m it again and again: including the first dance, a total of 00000000) times.	
In the example a and use the same	above, their second dance would begin with the order <u>baedc</u> , e dance moves:	
	of size []: cbaed. ing the last two programs: cbade.	

make Advent of

Cheppers xor(Pz0pQUI7Ch cmER8YDAEYAh4L GWEP,  $\uparrow \uparrow \downarrow \downarrow \leftarrow \rightarrow \leftarrow \rightarrow BA$ )

from the US or from Europe.

Answer:

- pe/b, swapping programs e and b: ceadb.

You can also [Share] this puzzle.

In what order are the programs standing after their billion dances?

Although it hasn't changed, you can still get your puzzle input.

[Submit]