31/12/2017	Day 16 - Advent of Code 2017		
Advent of Code 0.0.0.0:2017		sch (AoC++) 34*	
•	mutation Promenade	Our sponsors make Advent	
You come upon a very unusual sight; a group of programs here appear to be dancing.		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.		<pre>Kx Systems - kdb+, the in memory time series techn</pre>	
The programs' da	ance consists of a sequence of dance moves:	standard	
 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). Exchange, written XA/B, makes the programs at positions A and B swap places. 		By popular demand, ther now AoC-them objects avai	
			places. - Partner, wr
For example, wi	th only five programs standing in a line (abcde), they could g dance:		
- x3/4, 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 answ	wer was <mark>bijankplfgmeodhc</mark> .		
The first half	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 000000000) 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 <u>[]</u> : <u>cbaed</u> . ing the last two programs: <u>cbade</u> .		

make Advent of

Kx Systems kdb+, the inmemory time series technolo standard

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]