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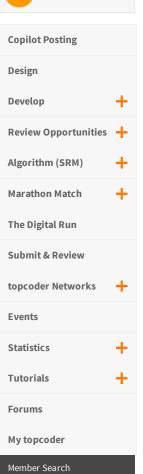


Challenges Community

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Handle:

Statistics	Problem Statistics				
	oder Collegiate Challenge > Semi	ifinal Round 3 > Room 1 > s	• •		
Class Name	Method Name		Difficulty	Status	Score
[ZigZag]	longestZigZag	problem details	Level One	Passed System Test	281.30
Criminal	numPseudonyms	problem details	Level Two	Passed System Test	342.66
TimeSlicing	howMany	problem details	Level Three	Passed System Test	874.63
Timesticing	-nownary	prostem details	Levermines	asset system rest	01-110
	V	/iew ZigZag Problem State	ment		
include <string> include <vector></vector></string>					
<pre>include <vector> include <sstream> include <algorithm> include <iostream></iostream></algorithm></sstream></vector></pre>					
/#include <functional< td=""><td>1></td><td></td><td></td><td></td><td></td></functional<>	1>				
/#include <map></map>					
/#include <set></set>					
/#include <numeric></numeric>					
/#include <queue></queue>					
/#include <stack></stack>					
/#include <list></list>					
sing namespace std;					
lass ZigZag { public:					
	ector <int> sequence)</int>				
if(sequence.size()	== 1) return 1;				
vector <int> v(sequence.size()</int>					
for(int i=1;i <sequ< td=""><td></td><td></td><td></td><td></td><td></td></sequ<>					
	ce[i] - sequence[i-1];				
<pre>// dir is first int ii=0;</pre>	i nonzero				
<pre>while(ii < v.size</pre>	e() && v[ii] == 0)				
ii++; if(ii == v.size())					
<pre>int dir = v[ii];</pre>	recurr r,				
int len = 2;					
for(int i=ii+1;i <v< td=""><td>7.size();i++)</td><td></td><td></td><td></td><td></td></v<>	7.size();i++)				
<pre>f</pre>	0)				
{ dir *= -1;					
len++;					
return len;					
, / Powered by PopsEdit					
System Test Results			Even este d E		Cuesa
Test Arguments			Expected Re		Succe
{1,7,4,9,2,5}				6	Pass
{1, 17, 5, 10, 13, 15, 10, 5, 16, 8	8}			7	Pass
{10, 20}				2	Pass
{20, 10}				2	Passe
{20, 20}				1	Pass
{44}				1	Pass
{1, 2, 3, 4, 5, 6, 7, 8, 9}				2	Pass
{10, 9, 8, 7, 6, 7, 8, 9, 10}				3	Pass
{12, 333, 700, 436, 1, 919, 959				26	Pass
456, 456, 456, 1000, 193, 192,				20	1 435
13, 75, 818, 197, 197, 2, 777, 9					
81, 222, 109, 1000, 19, 27, 270					
62, 189, 987, 234, 55, 2, 718,	,				
238, 901, 901, 900, 432, 55, 60	06.				
89, 7, 7, 23, 789, 790, 800, 100					
{70, 55, 13, 2, 99, 2, 80, 80, 80,				8	Pass
80, 100, 19, 7, 5, 5, 5, 1000, 32					
32}	<u>'</u>				
{3,3,3,3,3}				1	Pass

	ropcoder statistics - r robiem solution	•	
{4, 4, 4, 4, 4, 1, 1, 1, 1, 1, 1, 1, 2, 2, 2, 2, 2, 2, 2, 2, 2}		3	Passed
{1, 2, 2, 1, 1, 2, 3, 3, 2, 1, 1, 2, 3, 4, 4, 3, 2, 1, 1, 2, 3, 4, 5, 5, 4, 3, 2, 1}		9	Passed
{396,549,22,819,611,972,730,638,978,342,566,514,752,871,911,172,488,542,482,974,210,474,66,387,1,872,799,262,567,113,578,308,813,515,716,905,434,101,632,450,74,254,1000,780,633,496,513,772,925,746}		37	Passed
{374, 40, 854, 203, 203, 156, 362, 279, 812, 955, 600, 947, 978, 46, 100, 953, 670, 862, 568, 188, 67, 669, 810, 704, 52, 861, 49, 640, 370, 908, 477, 245, 413, 109, 659, 401, 483, 308, 609, 120, 249, 22, 176, 279, 23, 22, 617, 462, 459, 244}		36	Passed
{89, 106, 125, 142, 141, 137, 158, 184, 191, 189, 189, 206, 228, 240, 228, 263, 259, 256, 266, 287, 302, 297, 330, 341, 353, 353, 364, 376, 365, 398, 386, 420, 413, 419, 451, 441, 463, 484, 480, 487, 494, 520, 534, 542, 534, 541, 571, 584, 565, 577}		26	Passed
{61, 82, 126, 97, 167, 186, 119, 154, 155, 142, 153, 181, 172, 192, 223, 272, 273, 260, 280, 330, 329, 350, 273, 324, 349, 306, 385, 375, 420, 416, 435, 457, 373, 477, 395, 487, 500, 439, 493, 537, 518, 549, 542, 500, 524, 541, 512, 589, 549, 543}		35	Passed
{8, 6, 4, 2, 3, 5, 7, 9}		3	Passed
{4, 1, 6, 7, 7, 8, 9, 8, 6, 8}		5	Passed
{4, 6, 4, 4, 1, 2, 6, 7, 1, 3}		6	Passed
{9, 1, 8, 2, 7, 3, 6, 4, 5, 5, 4, 6, 3, 7, 2, 8, 1, 9}		17	Passed
{1,1}		1	Passed

