## Examining this test case:





413	<pre>if (Math.abs(nums[k] - (nums[k+1] + difference)) <epsilon)< pre=""></epsilon)<></pre>	
414 -	{	
415	System.out.println("bescending sequence (difference)");	THIS IS THE
416	descendingCounter++;	NEW CODE
417		
418	if (k==0)	
419 -		
420	<pre>end=String.valueOf(nums[k+1]);</pre>	
421	<pre>potentialfurtherAscendingBeyondThisStart = start;</pre>	
422	<pre>potentialfurtherAscendingBeyondThisEnd = end;</pre>	
423 -	System.out.println("Stored start -> end: "	
424	<pre>potentialfurtherAscendingBeyondThisStart + "-&gt;" + potentialfurtherAscendingBeyondThisEnd);</pre>	
425		
769		
770	if (!(potentialfurtherAscendingBeyondThisEnd.equals("")) && !(potentialfurtherAscendingBeyondThisS1	tart.equals("")))
771 -		
772	System.out.println("7using stored start	");
773	<pre>start=potentialfurtherAscendingBeyondThisStart;</pre>	
774	<pre>sm.add(start+"-&gt;"+end);</pre>	
775	<pre>System.out.println("3Writing range: " + start + "-&gt; " + end);</pre>	
776	<pre>potentialfurtherAscendingBeyondThisStart="";</pre>	
777	<pre>potentialfurtherAscendingBeyondThisEnd="";</pre>	





It looks to be resolved.

I suspect it will also work for ascending loop with repeat standalone.

I will quickly run a test.





I will need to run through all my test cases again unfortunately...

I am now finding that PASS

4.5f, 4.6f, 4.7f, 10.0f, 5.0f, 4.9f, 4.8f //(no issues if 3 descending chains)

[4.5->4.7, 10.0, 5.0->4.8]

However the issue with descending going into standalone still persists:



I will examine the outputs as per usual:



I am just going to create another test case and extend the standalone numbers so that there is not a descending at the end...

And then I believe I can perform a full test.

TEST CASE:



## TEST CASE:

I am however seeing this test case failure. This clearly suggests I need to understand the area surrounding ascending followed by multiple repeat standalone, then descending...



For me, it suggests that variables are not cleared for the store.. But I will take time as usual to investigate...



I am extremely desperate to bring this challenge to a close.

I will run through all the test cases again slowly...

This is an issue appearing in relation to having repeat standalone and its resolution...



This is another scenario with issues:



Something suggests now since there are lots of standalone writes in the code, it might be a universal fix required... But for now, I will just focus on the area that causes isues...





But we can see it is an inherent problem. I have included 2 x standalone 3.6 higher in the chain... So I need to accommodate for the repetition at every scenario...

3.	5f,3.6f,3.6f,3.7f,3.8f,3.8f	
1189	if (potentialfurtherAscendingBeyondThisStart=="" && potentialfurtherAscendi	ngBeyondThisEnd=="")
1190 -		
1191	<pre>if (!isStandaloneProcessed)</pre>	
1192 -		
1193	//new code, keep track if too much logic	This will ensure
1194	<pre>if (!(Math.abs(nums[k] - (nums[k+1] - difference)) <epsilon)< pre=""></epsilon)<></pre>	standalone if next
1195	<pre>&amp;&amp; !(Math.abs(nums[k] - (nums[k+1] + difference)) <epsilon)< pre=""></epsilon)<></pre>	number is not
1196	&& (nums[k]!=nums[k+1]))	(descending or
1197 -	{	ascending) and
1198	<pre>sm.add(start);</pre>	also if not the
1199	<pre>System.out.println("019238475Writing Standalone: " + start);</pre>	same
1200	<pre>isStandaloneProcessed=true;</pre>	
1201	<pre>completeTicker(start, start,k,lengthNums);</pre>	
1202	}	
1203	.5->3.6, 3.6->3.8, 3.8]	

But I do not think this is the solution that is required