8/8/2020 OneNote

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8/2020	TCS: CodeVita - Coding Arena						
				Sandl	hya Simbo	othula 😃	
00 Hr 00 Min 00 Sec	Codi	ng A	Area	D	E	F	
Guidelines							
Coding Area	Minim	nize Th	e Sum		ONLINE	EDITOR (C)	
Public Testcase	+ Problem Description						
Submissions	Given an array of integers, perform atmost K operations so that the sum of						
Private Testcase Submissions	elements of final array is minimum. An operation is defined as follows -						
Unevaluated	Consider any 1 element from the array, arr[i]. Replace arr[i] by floor(arr[i]/2).						
Submissions			ons on updated	array.			
Feedback Form	The task is to minimize the sum after atmost K operations.						
Graphs	+ Cons	+ Constraints					
	1 <= N, K <= 10^5.						
	+ Input	+ Input					
	maxim	First line contains two integers N and K representing size of array and maximum numbers of operations that can be performed on the array respectively.					
	Second line contains N space separated integers denoting the elements of the array, arr.						
	+ Output						
	Print a single integer denoting the minimum sum of the final array.						
	+ Time Limit						
	1						
	+ Examples						
	Examp	le 1					
tps://www.tcscodevita.com/main_pa	Input age.isp						

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Output 17 Explanation Operation 1 -> Select 20. Replace it by 10. New array = [10, 7, 5, 4] Operation 2 -> Select 10. Replace it by 5. New array = [5, 7, 5, 4]. Operation 3 -> Select 7. Replace it by 3. New array = [5,3,5,4]. Sum = 17. Upload Solution [Question : C] □ I, sandhya simbothula confirm that the □ Took help from online sources answer submitted is my own. (attributions) CodeVita FAQs About CodeVita **Privacy Policy** Careers © 2020 Tata Consultancy Services Limited. All Rights Reserved. https://www.tcscodevita.com/main_page.jsp 2/2