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	Suppose the last bucket has size 2 ^k .	
•	Then by assuming 2^{k-1} of its 1's are still within the window, we make an error of at most 2^{k-1} .	
•	Since there is at least one bucket of each of the sizes less than 2^k , the true sum is no less than 2^k -1.	
	Thus, error at most 50%.	
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