

The Algorithm Design Canvas

Problem name: Repeated String



Constraints		Code
<ul style="list-style-type: none">* all chars are lowercase* max $1 \leq s.length \leq 100$* num of chars : $1 \leq n \leq 10^{12}$* for 25% of cases $n \leq 10^6$		
Ideas		
<ul style="list-style-type: none">* verify constraints* compute how many times we should repeat string to reach n -> repeat = $n / s.length$* search for a's in string and we store indexes and count* if $n \% s.length == 0$ return asCount* if not filter occurrency array for position lower than repeatModule* return asCount	<div>O(n)</div> <div></div> <div></div> <div></div>	
Test Cases		