The Algorithm Design Canvas

Problem name: Left rotation



Constraints	G,
* a -> array, n-> length of array, d -> nun * 1 <= n <= 10^5 * 1 <= d <= n * 1 <= a[i] <= 10^6	n of rotations
Ideas	•
<pre>* verify inputs constraints, returns [] if not valid * loop for i = 0 to i < d * a = a.push(a.shift()) -> queue</pre>	O(n)
a a.paon(a.oriin(y) y quodo	O(n)
Test Cases	✓
* basic tests with short and random arrays* check all border cases and constraints* check with array length 10^5	