1) Given a string of only alphabet string str, run for each substring. Time → Space → Space → Time

find a+b+c+d+e+f+g+h

a*b*c → a*b*c → a*b*c → a*b*c

$T(n) = 4T(\frac{n}{2}) + O(n)$

$T(n) = 2T(\frac{n}{2}) + O(n)$

$T(n) = 2T(\frac{n}{2}) + O(n)$

$T(n) = 2