Segment Tree → Data Structure

Use cases

Range Queries

Range crcD/LCM

Range nod

0(N (0927)) * Range Sum => Point update O(N(T)) o N sized curroy $(1 \le N \le 10^5, 1 \le Q \le 10^5)$ O(17) O(410g2n) o SUM [L,R] $\rightarrow S = \sum_{i=1}^{R} ann[i]$ O(1)o UPDATE L X \rightarrow arm[L]=X O(N) O(17) O(17) O(10) O(17) O(17 AV5 $O(5) \rightarrow S = \#blocks$

$$O(B) \Rightarrow B = \text{sizerblock}$$

$$\frac{1}{1} \frac{3}{3} \frac{4}{4} \frac{-2}{2} \frac{0}{5} \frac{5}{11} \frac{11}{7} \frac{7}{10,3} \frac{1}{10,3} \frac{1}$$

