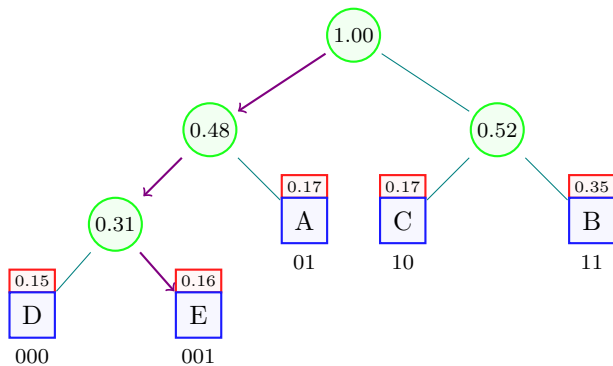


Tree



The Problem

Range Sum Query

You are given an integer array a . Answer q queries of the following form:

- $sum(i, j)$: returns $\sum_{k=i}^j a[k]$

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$$sum(3, 6) = -5 + 1 + 7 + (-6) = -3$$