Amortized Analysis

Deadline 2015/12/10 23:59
檔案路徑: [git資料夾]/mini_hw/**12**.pdf

You have seen the "Binary Counter" example in class.

When it costs 1 to flip a bit.
In a sequence of n increments, the amortized cost per increment is O(1) and the total amortized cost is O(n).

Please think if it costs 2^d to flip the d-th bit.
What are the amortized cost per increment and the total amortized cost?
Give your answer and explain it.