B039020001 駱定暄

Aggregate method:
Total cost in n operations

$= 2^1 * n + 2^2 * \frac{n}{2} + \cdots + 2^d * \frac{n}{2^{d-1}}$

= 2*d*n $\leq$ 2*lg(n)*n (because the bit bigger than lg(n) will not be flipped in n operations)
=>total cost of the sequence is O(nlogn)
=>Amortized cost per operation is O(nlogn)/n = O(logn)