

This is HW1-1:

$T(n) = 2T(3n/4) + 0.875n - 137, n \geq 10$

$T(n) = 2T(n-1), 1 \leq n < 10$

$T(0) = 7$

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The result is: 7041

Console

This is HW1_2:

Plaintext: ggy,ng,hpo

Ciphertext: TTL9AT8UCB

0x00010208 '\0' '\0' 'B' 'C'

0x00010204 'U' '8' 'T' 'A'

0x00010200 '9' 'L' 'T' 'T'