```
0.3:M:line 1: 1

line 2: 1

line 3: 1 = 0.00(\frac{h}{2})^2

line 4: 0.4

line 5: T(h-2)

So, T(n) = T(n-2) + O(n^2) + O(1)

= T(n-2) + O(n^2)
```

T(n)=T(き)+T(き)+ル =2T(き)+ル

Assume that $T(n) \leq C \cdot n$ for some c > 0 and n < kProve: $T(n=k) \leq ck$ when n=k:

T(n)=1T(号)+n, because 号</k>
一大 when n=k
1=1(号)+k ≤ 2·C·号+ k
5
C·长

⇒ きは北くけ

ままられるのか、本

Su, there must exist a constant c that can make T(n=k) < C·k when c>=

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