

To start: 记加为高度的证对证书宣教,加口1+1/10-2+1。由兴度可契,加二京(上近2/47-1 3/10-11/10)

Splay tree

>对一个完对连续M次操作,对同至亲在Olmley的.

每次份问,插入公时候,新将减量帮助到100十.

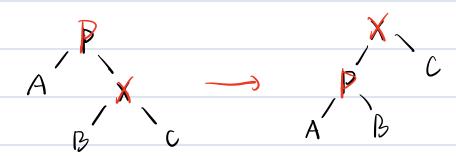
insertion ton:

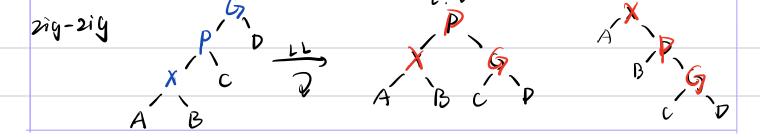
node X. parent P., grandparent G.

1. if P is the root -> rotate X and P



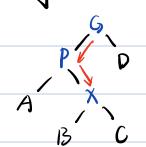
or.



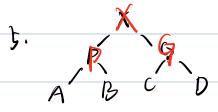


2ig-zag (LR \$ PL)

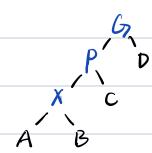
29万族, 29万克.



- 1.取了3节星
- 2. 将x换剂最高信益
- 3. 档P、G放在X面倾
- 4. 据上》节生



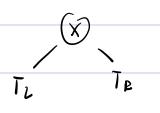
2ig-zig (LL # PP)



- 小取下路室
- z.将x换到最高位置
- 3.将P.G的在X的例!按图LL/PR利别
- 4.连上8节星



deletion \$1.

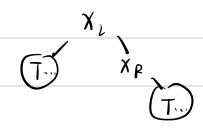


- 1. find X. (X 13, root)
- 2. Ali) X.



3. find max Tr : Xr

4. 取XL为新root, 拼上TR:



Amortized analysis the DAT

M个连续节点插入 at most O(M(og/V)

- amortized time bound.

worst-cuse bound > amortized bound > average-cuse bound

Aggregate analysis 表意最抗流情我

worst-case time Tin), Guerage / amortized cost = Tin)/n

Accounting method

对一个 amortized cost, 如果专前多骤所做之至来应小于 amortized cost. 就会产生 (redit), 对款) 铝格后面二多骤.

要求设计Lamortized cost 男大子家际心村多.

Potential method

构造一个势能函数,势能函数代表了专前界计 L credit.

(比如之前)、操门复杂度比约科复杂度大,势修杨加)

