

Number of Recursive Call for C(n,k)

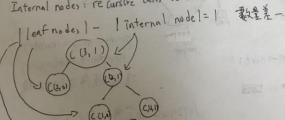
Leaf nodes = C(n,k) ET XX

Leaf nodes = Internal nodes = C(n,k) ET 18 10 Oct 04 = 136

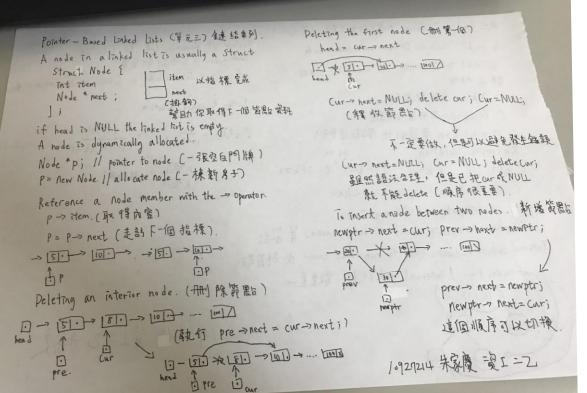
Better Recursive Solution

No CN-17!

Cont.



10月2月21年漫1二七条旗



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Data Abstraction (資料抽象化) 描述 ADT 運賃在前之後進行 ADT電信 Object - Orientel Programming 中間件等句 戶有東西荷 是特件,類似的東西機能企連 Clar, of objects C called instances). Attributos: data members. (資料) Behaviors: methods (方法) Principles of Object-Oriented Programming (三個 中間件等向原則)

- 1. Encapsulation. (封 裝).
- · Objects combine data and operations.
- · Hides inner details.
- 2. Inheritance. (经承)
  - · classes can inherit properties from other classes.

    Existing classes can be traused
- 3. Polymorphism. (孝型)
- · Objects can determine appropriate operations at execution time.

Operation Contracts (運算全均)

- Document the use and limitations of a method. specify Jotaflow.
- Do not specify how module will perform its task
- Specify pre- and post- conditions.
  Unusual conditions. (15:191 HK)?
  Assum they never happen.
- · Ignore invalid situations.
  - · Return a value that starals problem
  - · Throw an exception.

米物件導向中不是具體的類也可以當作一個das

A module's operation contract specifies its.

· ParPose (目句) Assumptions (特色) Ispat(輸入) Output(輸出)

|cey Issuses To Programming. (基本福华太的技巧).

1 Modularity 5 Fail-safe programming

2 Style 6. Pebngging

3 Modifiability of Testing.

4 Ease to use

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