

Presentación TP1

Sistemas Operativos
DC - UBA - FCEN

24 de agosto de 2017

Deberán realizar

Realizaremos un **Concurrent HashMap**

Deberán realizar

Realizaremos un **Concurrent HashMap** Qué es ?

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Realizaremos un **Concurrent HashMap** Qué es ?

- Es un hashmap

Deberán realizar

Realizaremos un **Concurrent HashMap** Qué es ?

- Es un hashmap
- Concurrente: Realizamos algunas operaciones en paralelo

Operaciones

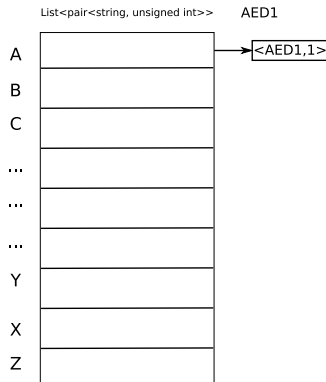
● create()

List<pair<string, unsigned int>>

A	
B	
C	
...	
...	
...	
Y	
X	
Z	

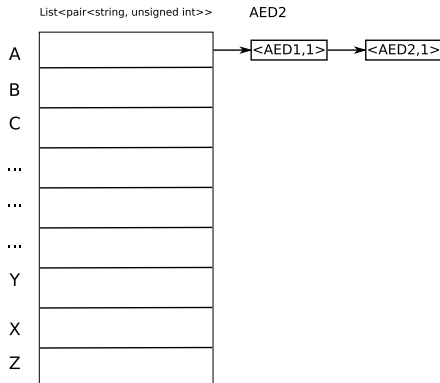
Operaciones

- `create()`
- `void addAndInc(string key)`



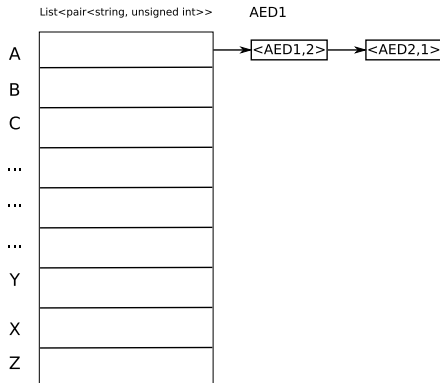
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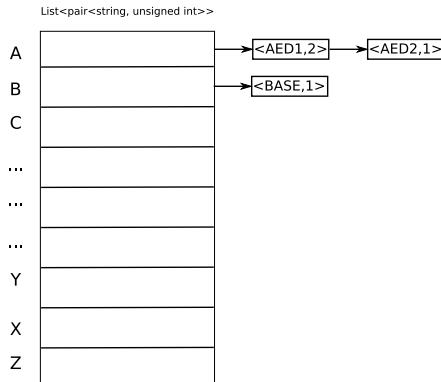
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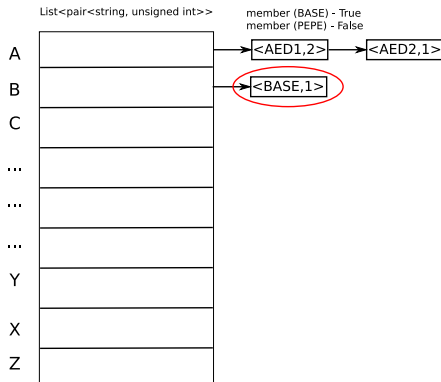
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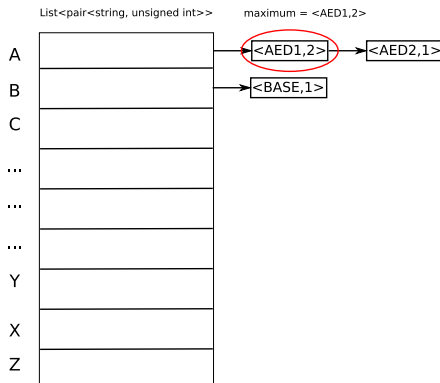
Operaciones

- `create()`
- `void addAndInc(string key)`
- `bool member(string key)`



Operaciones

- `create()`
- `void addAndInc(string key)`
- `bool member(string key)`
- `pair<string, unsigned int>`
`maximum(unsigned int nt)`



Ejercicios

- `ConcurrentHashMap()`.

Ejercicios

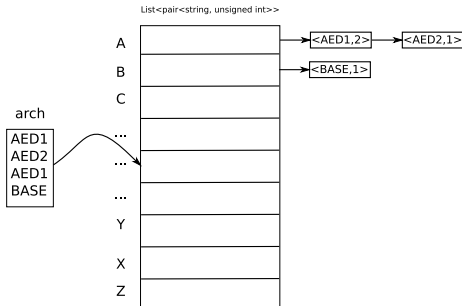
- `ConcurrentHashMap()`.
- `ConcurrentHashMap count_words(string arch)`

arch

AED1
AED2
AED1
BASE

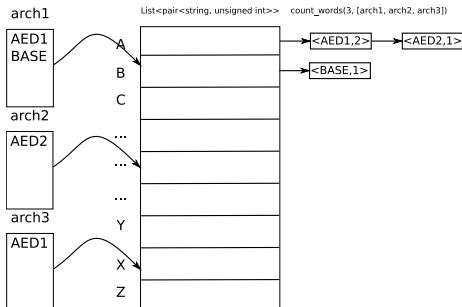
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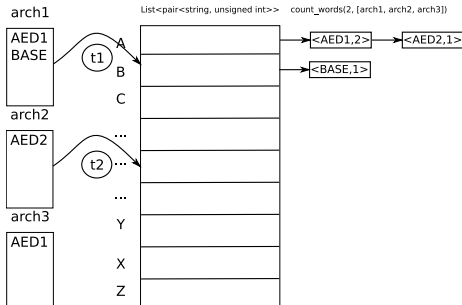
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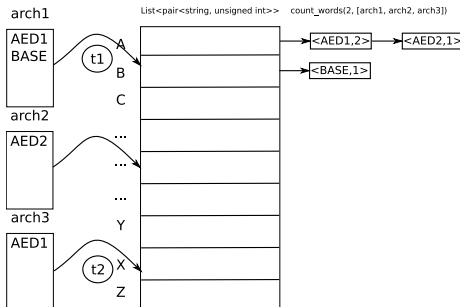
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 $p < \text{sizeof}(\text{archs})$



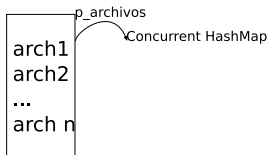
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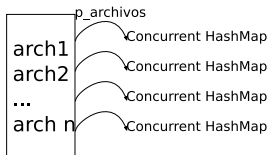
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- `pair<string, unsigned int> maximum(unsigned int p_archivos, unsigned int p_maximos, list<string> archs)`



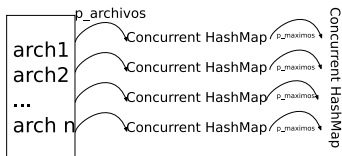
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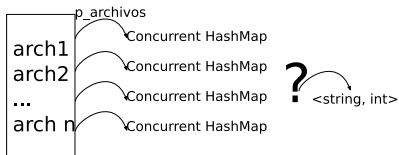
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Por último: algunas pautas de entrega

- ★ Entrega electrónica: formulario en:
<http://www.dc.uba.ar/materias/so/2017/c2/entregas/tp2>.
- ★ Completar el número de LU de todos los integrantes del grupo y subir un archivo comprimido que deberá contener únicamente:
 - ① El documento del informe (en PDF).
 - ② El código fuente (NO incluir código compilado).
 - ③ Tests mostrando la correcta implementación.
 - ④ Makefile para correr los test agregados (se puede modificar el que ya está).

Por último: algunas pautas de entrega

- ★ Fecha límite: 06/09/2017 (OJO! es miércoles)
- ★ Implementación libre de condiciones de carrera
- ★ Ningún proceso deberá escribir un resultado ya resuelto por otro thread.
- ★ Informe breve.

¿Preguntas?