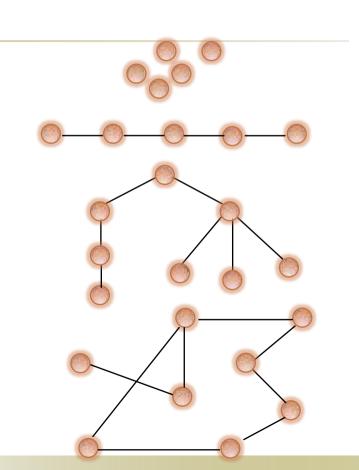
其他数据结构

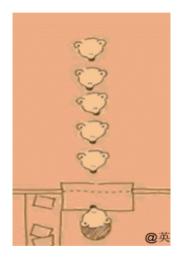
概述

- * 集合: 数据之间除了同属同一集合 , 无其他关系
- * 线性结构:结构中的数据元素之间存在一对一的关系
 - *一般线性表、栈、队列...
- * 树型结构: 结构中数据元素之间存 在一对多的关系
- * 图状或网状结构: 数据元素(顶 点)之间存在邻接关系,又称多对多 关系



线性表

* 队列



线性表

* 队列

- * 食堂排队
- * 排队买票
- * 吸管里的饮料
- * 特点: 先进先出(First In First Out, FIFO)



线性表

- * 队列
 - * 数组a实现: 队首a[front], 队尾a[rear]
 - * 入队: rear++; a[rear]=x;

a b

front rear

线性表

- * 队列
 - * 数组a实现: 队首a[front], 队尾a[rear]
 - * 入队: rear++; a[rear]=x;

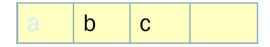
a b c

front rear

线性表

* 队列

- * 数组a实现: 队首a[front], 队尾a[rear]
 - * 入队: rear++; a[rear]=x;
 - * 出队: ele=a[front];front++;

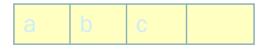


front rear

线性表

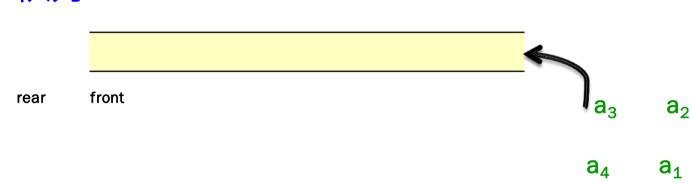
* 队列

- * 数组a实现: 队首a[front], 队尾a[rear]
 - * 入队: rear++; a[rear]=x;
 - * 出队: ele=a[front];front++;
 - * 队空条件: front>rear

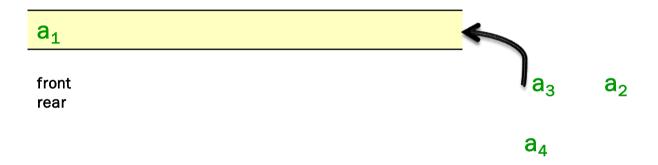


rear front

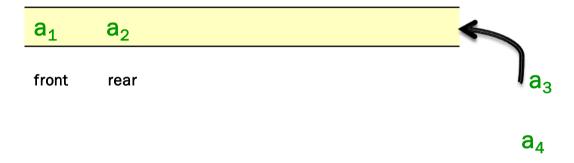
队列与栈



队列与栈

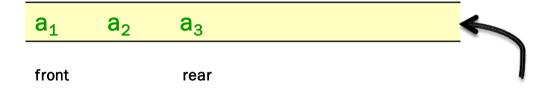


队列与栈



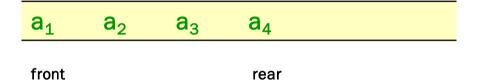
队列与栈

* 队列:

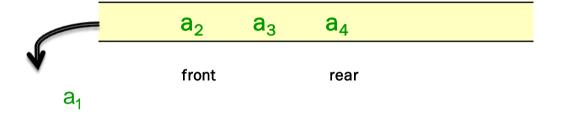


 a_4

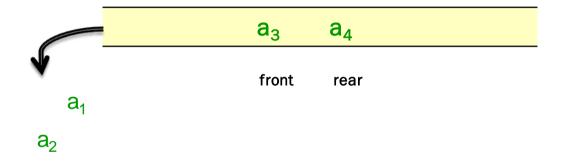
队列与栈



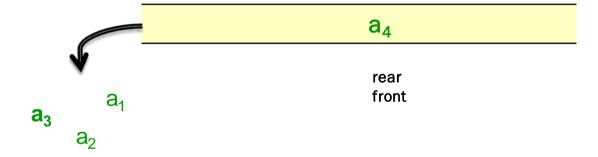
队列与栈



队列与栈



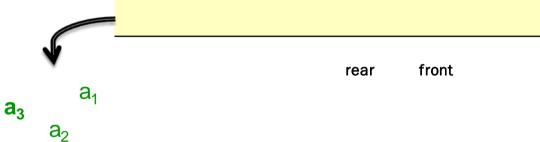
队列与栈



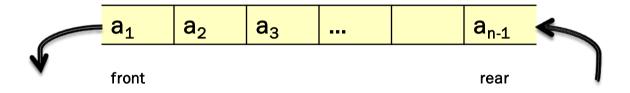
队列与栈

 a_4

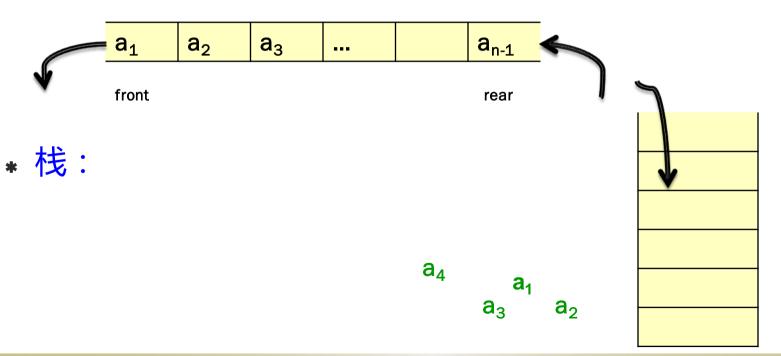




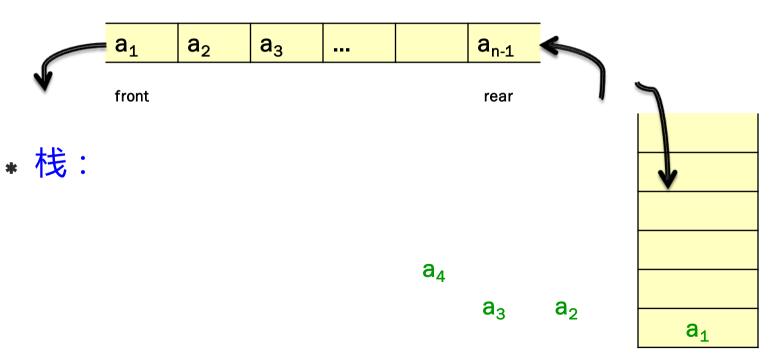
队列与栈



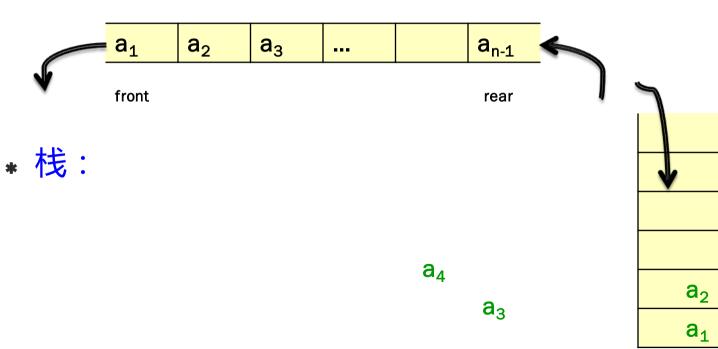
队列与栈



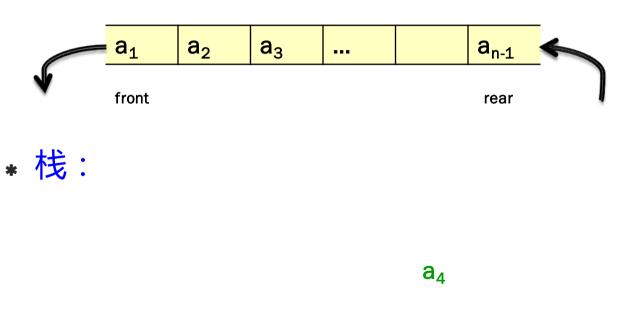
队列与栈

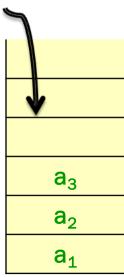


队列与栈



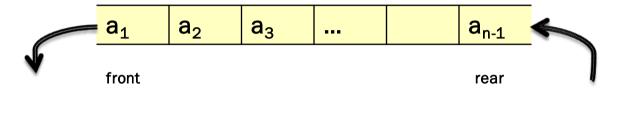
队列与栈

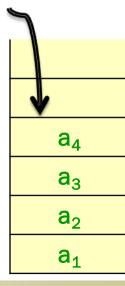




队列与栈

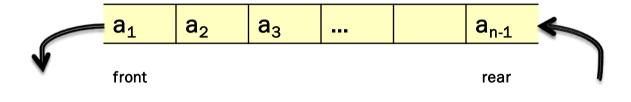
* 队列:先进先出,两端操作

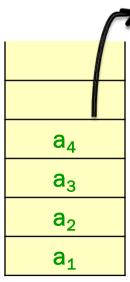




队列与栈

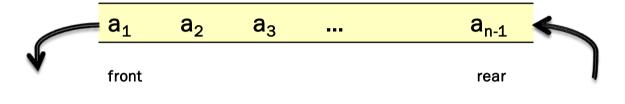
* 队列:先进先出,两端操作

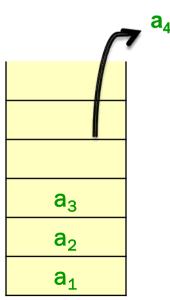




队列与栈

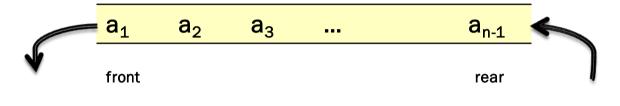
* 队列:先进先出,两端操作

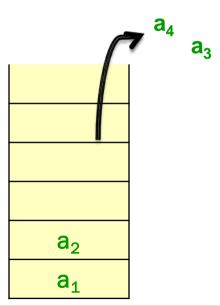




队列与栈

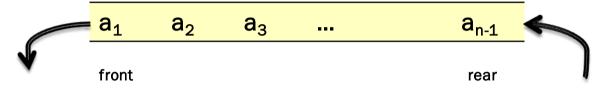
* 队列:先进先出,两端操作

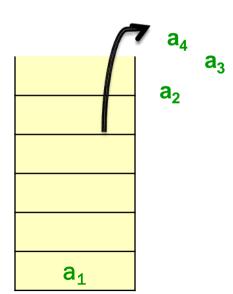




队列与栈

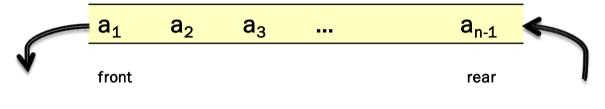
* 队列:先进先出,两端操作

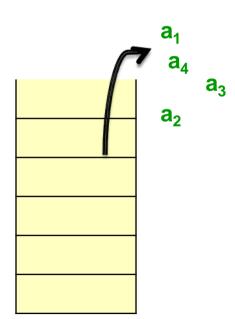




队列与栈

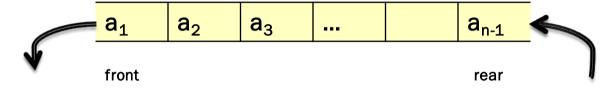
* 队列:先进先出,两端操作





队列与栈

* 队列:先进先出,两端操作



* 栈:后进先出,一端操作

