

初始化(带头结点) typedef struct LinkNode{ typedef struct{ ElemType data; LinkNode *front,*rear; struct LinkNode *next; }LinkQueue; rear }LinkNode; //初始化队列(带头结点) → NULL front void InitQueue(LinkQueue &Q){ //初始时 front、rear 都指向头结点 Q.front=Q.rear=(LinkNode*)malloc(sizeof(LinkNode)); Q.front->next=NULL; //判断队列是否为空

//声明一个队列

//初始化队列

bool IsEmpty(LinkQueue Q){

if(Q.front==Q.rear)

else

}

return true;

return false;

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4

}

void testLinkQueue(){

// ... 后续操作 ...

⇒ LinkOueue 0:

→ InitQueue(Q);

```
初始化 (不带头结点)
//初始化队列(不带头结点)
void InitQueue(LinkQueue &Q){
   //初始时 front、rear 都指向NULL
                                          rear --- NULL
→ Q.front=NULL;
                                          front → NULL
→ Q.rear=NULL;
//判断队列是否为空(不带头结点)
bool IsEmpty(LinkQueue Q){
   if(Q.front==NULL)
       return true;
   else
       return false;
}
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```

```
//新元素入队 (带头结点)

void EnQueue(LinkQueue &Q,ElemType x) {

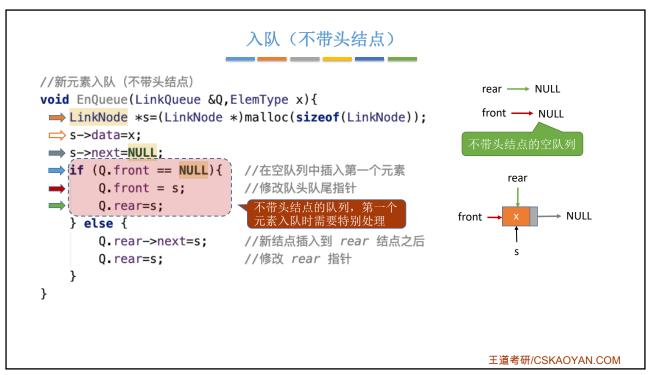
LinkNode *s=(LinkNode *)malloc(sizeof(LinkNode));

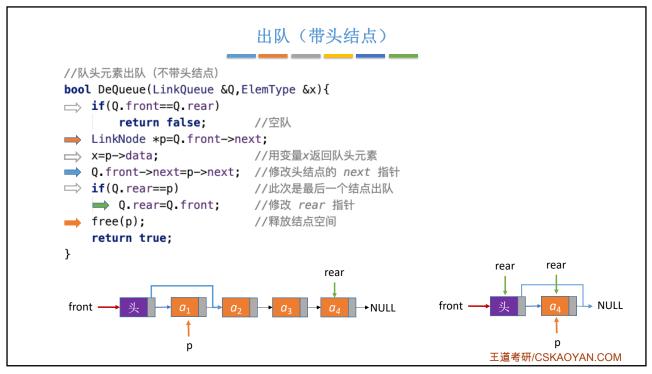
> s->data=x;

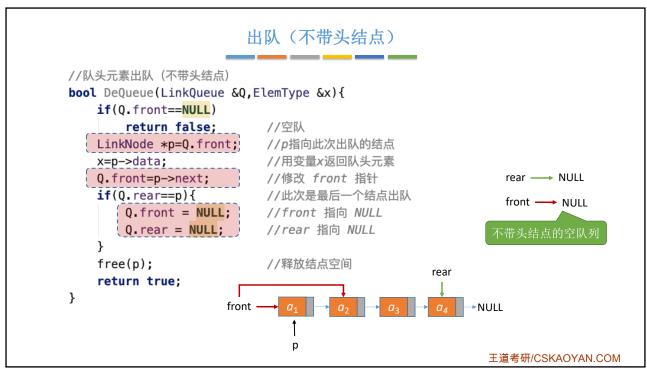
> s->next=NULL;

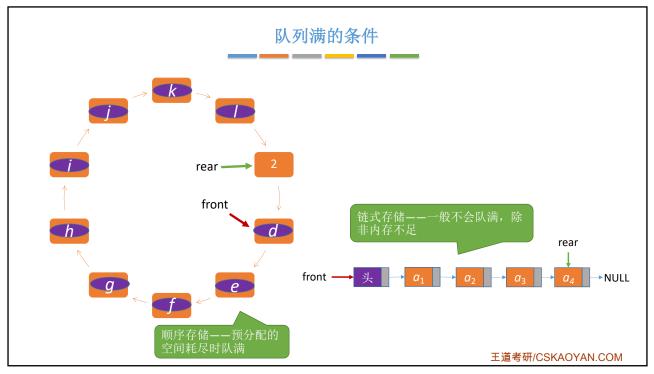
Q.rear->next=s; //新结点插入到rear之后

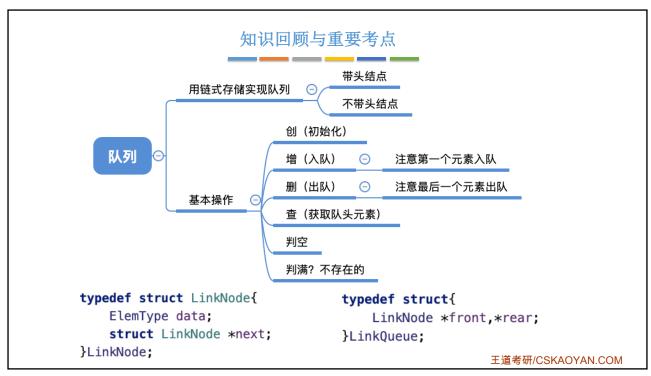
Q.rear=s; //修改表尾指针
}
```













12

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