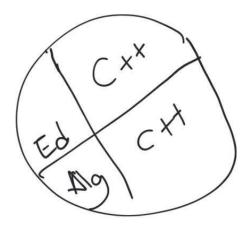
¿dudas? Sobre la asignatura Templates Cola revisitar pila Ejercicios

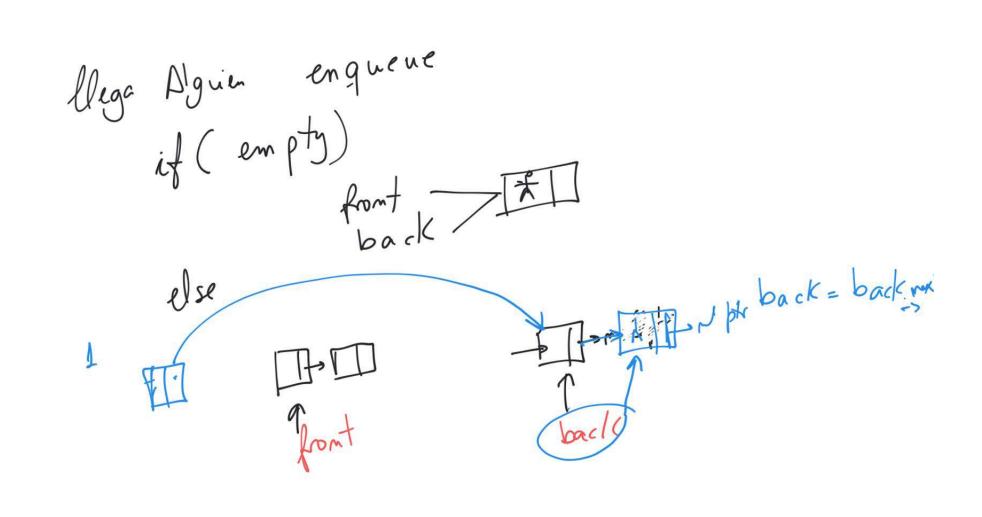


Gla Fifo

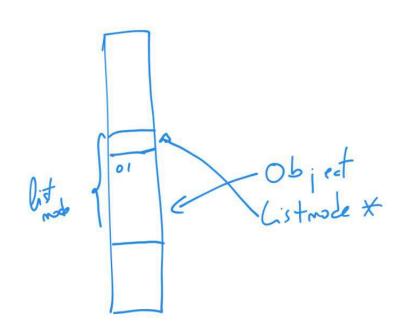
大 ... 子 元

front * str back * str

make empty ()
front = back = mull ptr



```
// Insert x into the queue.
template <class Object>
=void Queue<Object>::enqueue( const Object & x )
{
    if( isEmpty( ) )
        back = front = new ListNode( x );
    else
        back = back->next = new ListNode( x );
}
```

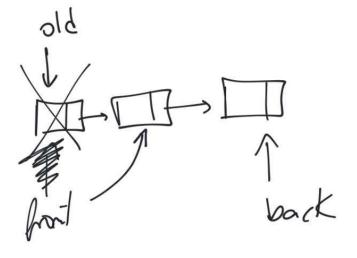


```
// Return and remove the least recently inserted item from
// the queue. Throw UnderflowException if empty.
template <class Object>
Object Queue<Object>::dequeue()

Object frontItem = getFront();

ListNode *old = front;
front = front->next;
delete old;

return frontItem;
}
```



```
// Return the least recently inserted item in the queue
// or throw UnderflowException if empty.
template <class Object>
const Object & Queue<Object>::getFront() const
{
   if( isEmpty())
      throw UnderflowException();
   return front->element;
}
```

front->dent

```
// Make the queue logically empty.
template <class Object>
lvoid Queue<Object>::makeEmpty()
{
    while(!isEmpty())
    dequeue();
}
```

Stack Int Stack

```
template <class T>
]class className {
  private:
    T var;
    .....
public:
    T functionName(T arg);
    .....
};
```

```
className<int> classObject;
className<float> classObject;
className<string> classObject;
```

```
// Class template
template <class T>

class Number {
  private:
    // Variable of type T
    T num;

public:
    Number(T n) : num(n) {} // constructor

T getNum() {
    return num;
  }
};
```

```
int main() {

    // create object with int type
    Number<int> numberInt(7);

    // create object with double type
    Number<double> numberDouble(7.7);

    cout << "int Number = " << numberInt.getNum() << endl;
    cout << "double Number = " << numberDouble.getNum() << endl;
    return 0;
}</pre>
```

infija (2+3)post fija (2+3)pre fija (3+3) (3+3)pre fija (3+3) (3

Crear una calculadora de motación postfija

25+7

32

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2+