Taller Nro.6

Santiago Ochoa Castaño

Universidad Eafit Medellín, Colombia sochoac1@eafit.edu.co

Miguel Ángel Zapata Jiménez

Universidad Eafit Medellín, Colombia mazapataj@eafit.edu.co

```
public void add(int index, int e) throws Exception {
//...
if(index <= elements.length-1 && index >= 0){ //C 1
  if(index==size){ //C_2
    elements[index] = e;
    size++; //C 3
  else if(index < size) { //C 4}
    for(int i = size-1; i >= index; i--){ //C_5 + C_6*n
      elements[i+1] = elements[i]; //C_7*n
    }
    elements[index] = e;
    size++;//C_8
  }
}else if(index >= elements.length){//C_9
  algoritmoDanielArango();
  add(e);//C_10
}else{//C_11
  throw new IndexOutOfBoundsException("Index: " + index);//C_12
}
```

ECUACIONES: