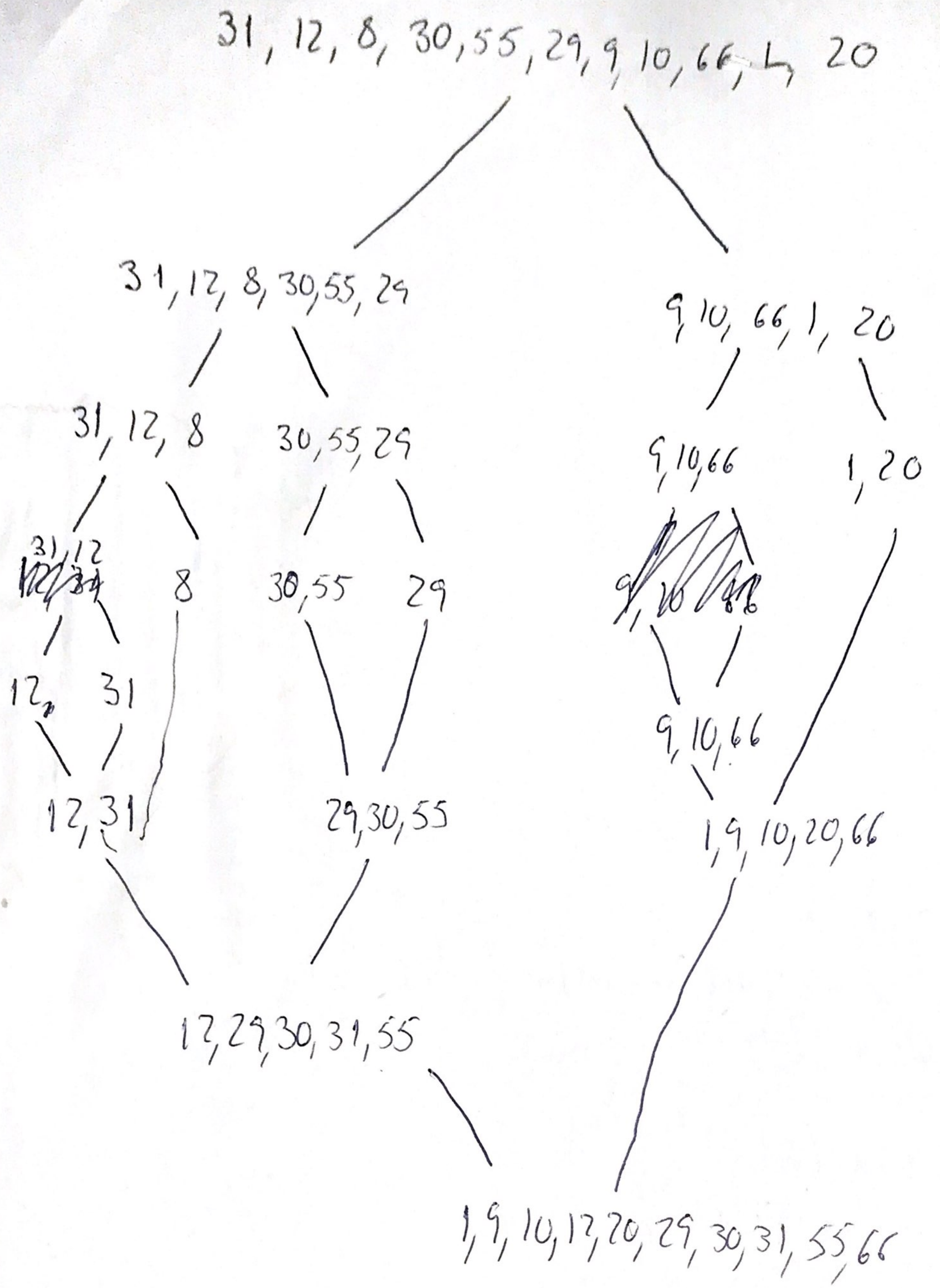
```
publi class Queue<E>{
   int ini ~~f~~=0
   int fim =0;
   int num=0;
   E Q[];
    public Queue (int t){
         num=t
         Q=(E[]) new Object[num];

 public void enqueue (E o){
       if (size()==num -1){
            throw Overflow Queue Exception ("Full"); }
       else {
          Q[fim]=o;
          }
       fim = inc(fim);
     }

 public front(){
     if (empty())
        throw new Empty Queue Exception ("Empty");
     return Q[ini];
   }

 public ~~empty~~ int inc (int i){
        return (1 + i) % num;

 public dequeue(){
      if (empty ()) {
         throw new Empty Queue Exception ("Empty"); }
     ~~return~~
     E aux = Q[ini];
     Q[ini] = null;
     ini = inc(ini);
    return aux;
  }
```

```
public int size(){
   return (num - ini + fims) % num;
}
```


31, 12, 8, 30, 55, 29, 9, 10, 66, 1, 20
31, 12, 8, 30, 55, 29
9, 10, 66, 1, 20
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