```
PARTES
 public printtamiliar Numeroras (Setting nome Fich) }
               FiloWester file = new FileWriter (nomeFich);
Buffered Writer writer = new Bufford Writer (file);
                 contribunites. values ()
                                  · filta(c -> c instanceof Bonificado) &

· for Each (c -> 2
                                         whiter.write(1. getNo-el)+" "
+ c. get Nif(+" "
                                                     + ((Bonificado)c). reduco Importo (1+"/m)
            3 when (IOException rise) {
       public int compréto (Fatura 1)4
return data comparéto (f. get Data ());
   return contribuints. rolues(). 9 trans()
map (Contribuinte: get Fatures)
                                 · plut Nop ( List :: stream)
                                       yearingly (Fotura: get Ativided));
```

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public class CasaInteligente L private Map < Hring, lampada > lampada;

public (asa Inteligents (Collection (Lampada > nl)) {

lampadar = new HashMap (>(); for' (Lampador. put (l. get Id (), l. clanel); (B) public int gut Emtio() {
return lompoidor.valuer()
.stream() · stream () · filter (l-sl. systEstado () == 2) · Lount (); public remove lampada (string id) throws Note Existe Ext

if (lampadar. remove (id) == null)

throw new AboExiste Ex ("..."); (D) public double consumotatel () 2 return langador. stre values() · map to Double (Lampadu: + total (onsumo) PARTE3 · sum (); 3 (A) public set (String) toplonseumo (int x) {

return lampadar. values()

· stream () · stream ()
· sorted ((1/1/1) -> Integer. compare (12, totallosses)

A: + (x) · map (lampada: yet Id) - collect (Collectors: to set ());

public class lampada LED extends compada d priv. double per; public lampada LED (String id, double cl, double cette uper (id, d, ce); this. per = per; public total lonsumo (){

return per * super. total (onsumo (); grava Bimorio (Strig mone Fich) throws tompled White Fail? File Out put Stream = a foo = new File Out put Stream (none File);
Objed Output Stream oos = new Objed Output Stream (foo); oos wite Objett (this); oos. flush (); 3 with (Exception exc)-L (how now camped Write Fail (exc. yet Massage ()); PARTE 4 (OL) public abstract Poligono d private list (Porto) portos; public Poligons (collection (Bota) c) 2 porter = c. stream(). map (Ports:: Jose) collect (to List ());

public void addlorto (Porto p) ?
portos.add (p. Jane); public booles «Fechada() } retern (pontor. size() > 1 ll pontor. yet (0). equals (public double perimetro () L
Buto tomp = null; double x = 0.0; por (Ponto p: ponton) \\
if (tmp!= null) d

r== tmp. get distancia (p);
y public abstrad area-(1 &) // Conqueis