Ejercicio 1.

Utilizando los datos de entrada del fichero PI1Ej1DatosEntrada.txt, los resultados de los diferentes tests para las dos implementaciones deben ser:

```
Test 1: {6=[rapiña], 7=[erapiña], 8=[perapiña]}
Test 2: {7=[iamelon, 12melon, 12melon], 9=[ia12melon],
         11=[sandiamelon]}
Test 3: {8=[onaranja], 12=[mangonaranja]}
Test 4: {5=[9kiwi], 6=[gokiwi], 7=[igokiwi, go9kiwi],
         8=[higokiwi]}
Test 5: {7=[telimon, 24limon], 9=[matelimon, te24limon],
         11=[tomatelimon]}
Test 6: {7=[5frutas, 5frutas], 9=[521frutas],
         10=[zumofrutas], 12=[zumo15frutas]}
```

Ejercicio 2.

Utilizando los datos de entrada del fichero PI1Ej2DatosEntrada.txt, los resultados de los diferentes tests para las cuatro implementaciones deben ser:

```
Test 1: 623
Test 2: 1763
Test 3: 3278
Test 4: 3135
Test 5: 11696
Test 6: 2517
```

Ejercicio 3.

Utilizando los datos de entrada de los ficheros asociados, los resultados de los diferentes tests para las tres implementaciones deben ser:

```
Test 1: Los siguientes 10 puntos:
  (-93.56,-33.78), (-82.54,-58.64), (-76.79,-30.38),
  (-50.37,-54.07), (-20.03,-99.54), (-19.29,-25.9),
  (-17.93,-20.26), (24.02,68.2), (39.87,48.37), (45.29,97.59)

Test 2: Los siguientes 20 puntos:
  (-82.35,-49.74), (-74.69,-40.12), (-72.94,-56.8),
  (-65.53,-51.45), (-48.56,-81.69), (-47.56,-82.04),
  (-37.99,-90.32), (-36.56,-38.16), (-8.3,-69.67),
  (-6.82,-85.27), (3.45,70.0), (23.93,76.13), (30.7,8.47),
  (37.97,49.79), (40.55,83.01), (41.78,39.55), (49.46,51.93),
  (64.29,86.49), (74.78,41.09), (87.62,43.21)
```

```
Test 3: Los siguientes 50 puntos:

  (-93.9,-6.76), (-81.49,-23.61), (-71.93,-51.44),
  (-71.64,-24.87), (-68.08,-8.76), (-62.34,-38.53),
  (-61.68,-1.78), (-56.16,-41.49), (-54.81,-26.67),
  (-53.48,-50.98), (-50.04,-96.54), (-46.99,-83.11),
  (-33.11,-92.17), (-32.08,-66.57), (-29.99,-72.32),
  (-20.6,-8.85), (-19.83,-5.01), (-19.58,-94.75),
  (-17.35,-76.96), (-16.97,-96.8), (-11.75,-13.63),
  (0.42,13.94), (9.07,33.36), (10.69,95.3), (14.7,82.66),
  (15.68,26.66), (16.33,54.0), (16.78,55.2), (28.38,81.47),
  (28.91,91.34), (35.75,38.79), (45.23,56.37), (45.41,82.21),
  (47.42,41.06), (53.42,66.34), (55.06,57.38), (58.08,11.18),
  (60.16,59.96), (60.68,8.38), (65.54,70.44), (68.32,23.46),
  (78.6,69.48), (79.09,80.75), (79.3,62.79), (79.76,69.36),
  (84.74,31.62), (86.21,86.12), (87.89,49.68), (90.47,25.64),
  (96.34,83.99)
```

Ejercicio 4.

Utilizando los datos de entrada del fichero PI1Ej4DatosEntrada.txt, los resultados de los diferentes tests para las tres implementaciones deben ser:

```
Test 1:
  ((((3+14+1)/(2+15+0))/(5+17+1))/((5+17+1)/(3+18+1)))

Test 2:
  ((((2+24+1)/(1+25+0))/(3+27+1))/((3+27+1)/(2+28+1)))

Test 3:
  ((((3-4-2)/(2-5-1))/((2-5-1)/(1+6+1)))/(((2-5-1)/(1+6+1))/(3-
  8-2)))

Test 4:
  ((((2+9+1)/(1+10+0))/(3+12+1))/((3+12+1)/(2+13+1)))

Test 5:
  (((((2+22+1)/(1+23+0))/(3+25+1))/((3+25+1)/(2+26+1)))/(((3+25+
  1)/(2+26+1))/((3+7+1)*(2+14+1))))

Test 6:
  ((((((2+14+1)*(1+21+1))/(2+43+1))/(((2+7+1)/(1+8+0))*(3+22+1))
  )/((((2+7+1)/(1+8+0))*(3+22+1))/((1+44+1)/(1+45+0))))/(((
  ((2+7+1)/(1+8+0))*(3+22+1))/((1+44+1)/(1+45+0)))/(((2+6+1)/(1+
  7+1))*((3+6+1)*(2+12+1)))))
```