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```java
public class ChickenFarmSystem {

    public static void main(String[] args) {
        Scanner in = new Scanner(source: System.in);
        Poop poop = new Poop();
        Egg egg = new Egg(id: 1);
        //Static data
        Chicken chicken = new Chicken(id: 1, name:"lucy", color: "white
        //User's data
        Chicken chicken2 = generateChickenByUserData();
        //User's data in array
        Chicken[] chickens = new Chicken[5];

        for (int i = 0; i < chickens.length; i++) {

            System.out.println((i + 1) + ") Chicken");
            chickens[i] = generateChickenByUserData();
        }

        System.out.println(x: "Hello Chickens from the simulator");
        System.out.println(x: "My name is --> Mateo Garcia (Cotbert)
        System.out.println("poop -->" + poop);
        System.out.println("egg -->" + egg);
        System.out.println("chicken -->" + chicken);
        System.out.println("chicken2 -->" + chicken2);
        System.out.println(x: "chickens --> ");
        for (int i                                        +) {
            System.                                 + 1) + "] " + chicke
        }
        chicken.name = "pepe";

        chicken.setId(id: 9);
        System.out.println("new chicken id --> " + chicken.getId()
        System.out.println("chicken --> " + chicken);
    }

    public static Chicken generateChickenByUserData() {
        Scanner in = new Scanner(source: System.in);
        System.out.print(s: "Id: ");
```

name has private access in Chicken

(Alt-Enter shows hints)

$$Z^2 - 4Z + C \qquad C = \frac{16}{4} = 4$$

$$Z^2 - 4Z + 4 = |Z + 2|^2$$

$$Ec: -X + |Z - 2|^2 + 4|y - 2|^2 = 0$$

$$X = \frac{(Z-2)^2}{4} + (y-2)^2$$

Parabolade elíptico

$$Z - 2 = 0 \qquad\qquad y - 2 = 0$$

$$X = |y - 2|^2 \qquad\qquad X = \frac{|Z-2|^2}{4}$$

$$X = 0$$

$$\left|\frac{Z-2}{4}\right|^2 + |y - 2|^2 = 0$$

$$\frac{(Z-2)^2}{4^2} + \frac{|y-2|^2}{4} = \frac{X}{4}$$

$$X = 4$$