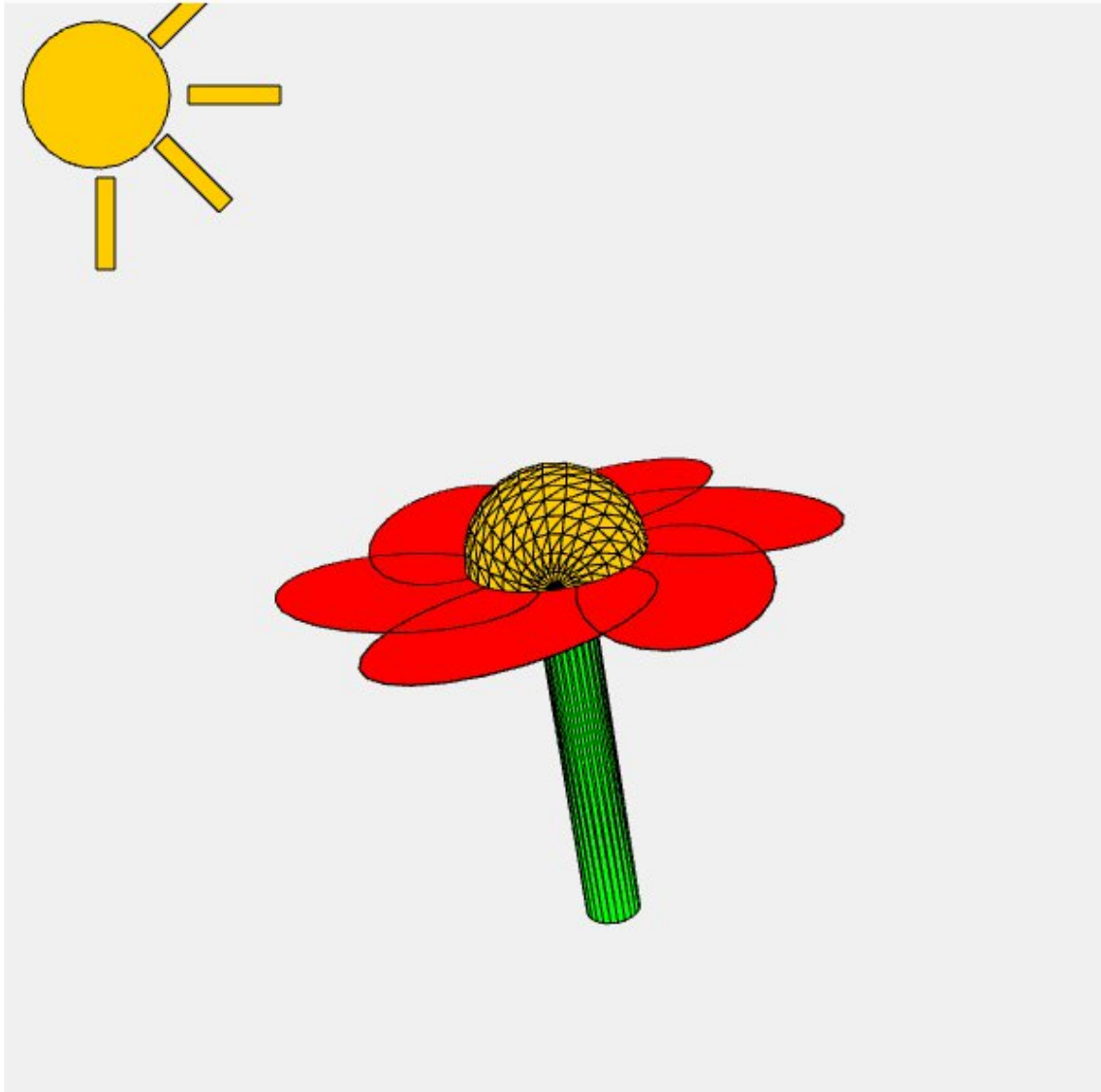


Examen Grafica de calculator
Apareci Aurica TI 231 FR



Examen Grafica de calculator

Apareci Aurica TI 231 FR

```
let angle = 0;
let scaleFactor = 2;
let translateX = 0;
let translateY = 0;
let petalColor;

function setup() {
  createCanvas(600, 600, WEBGL);
  petalColor = color(255, 0, 0);
}

function draw() {
  background(240);

  push();
  fill(255, 204, 0);
  translate(-250, -250, 0);
  ellipse(0, 0, 80, 80);

  push();
  translate(50, 0);
  rect(0, -5, 50, 10);
  pop();

  push();
  translate(35, 25);
  rotateZ(PI / 4);
  rect(0, -5, 50, 10);
  pop();

  push();
  translate(35, -25);
  rotateZ(-PI / 4);
  rect(0, -10, 50, 10);
  pop();

  push();
  rect(0, 45, 10, 50);
  pop();

  pop();

  translate(0, translateY);
  scale(scaleFactor);
  rotateX(angle/2);
  rotateY(angle/5);

  push();
```

Examen Grafica de calculator

Apareci Aurica TI 231 FR

```
fill(0, 255, 0);
translate(0, 0, 50);
rotateX(HALF_PI);
cylinder(8, 130);
pop();

for (let i = 0; i < 6; i++) {
  push();
  fill(petalColor);
  rotateZ(TWO_PI * i / 6);
  translate(30, -30);
  ellipse(0, 0, 50, 80);
  pop();
}

push();
fill(255, 204, 0);
sphere(25);
pop();

angle += 0.02;
}

function keyPressed() {
  if (keyCode === RIGHT_ARROW) {
    translateX += 10;
  } else if (keyCode === LEFT_ARROW) {
    translateX -= 10;
  } else if (key === '+') {
    scaleFactor += 0.1;
  } else if (key === '-') {
    scaleFactor -= 0.1;
  }
}

function mousePressed() {
  if (mouseButton === LEFT) {
    petalColor = color(random(255), random(255), random(255));
  }
}
```