```
/*
* Blink_Trajeto-Radial
*/

int ledPin[] = {7,8,9,10,11}; // LED connected to digital pin {7,8,9,10,11}

void setup() // run once, when the sketch starts
{
      for (int i =0;i<5;i++)
      {
            pinMode(ledPin[i], OUTPUT); // sets the digital pin [i] as output
      }
}

void loop() // run over and over again
{
      byte nums[] = {1, 2, 1, 4, 1, 8, 1, 16, 1}; // subset of vertices
      for (byte i = 0; i<9;i++)
      {
            displayBinary(nums[i]);
            delay(1500);
      }
}

void displayBinary(byte numToShow)
{
      for (int i =0;i<5;i++)
          {
              if (bitRead(numToShow, i)==1) // Reads a bit of a number
              {
                    digitalWrite(ledPin[i], HIGH); // sets the LED [i] on
              }
              else
              {
                    digitalWrite(ledPin[i], LOW); // sets the LED [i] off
              }
          }
}
```