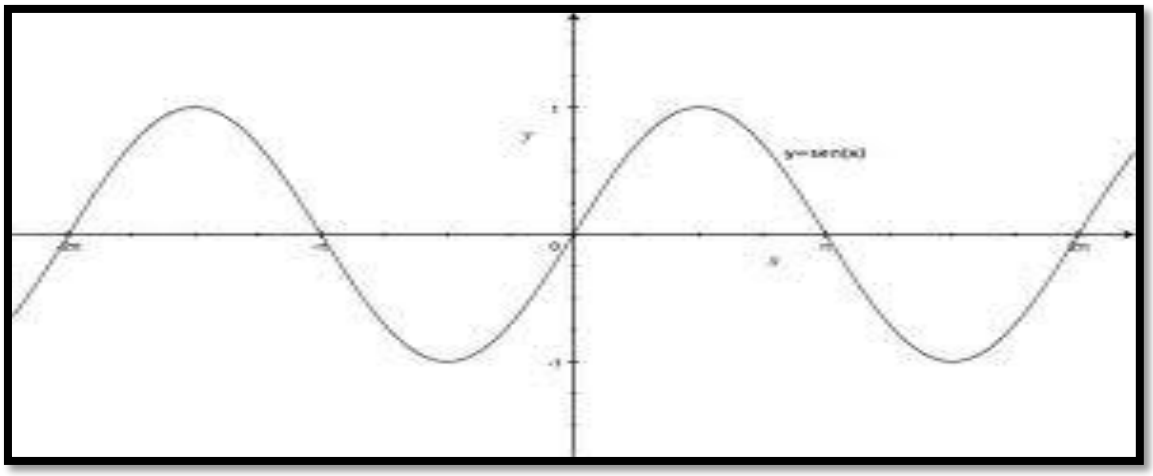
PROBLEMA DE LA FUNCIÓN SENO

DEFINICIÓN:

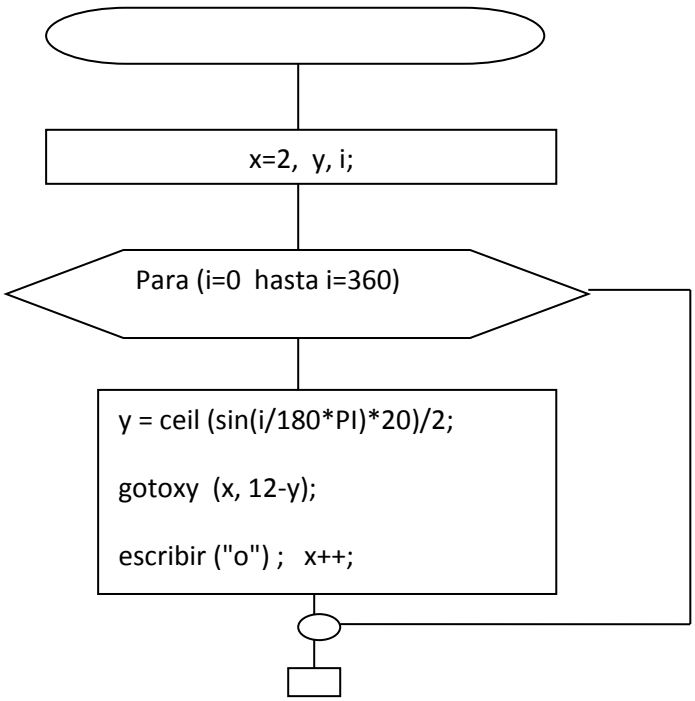
Se pide elaborar un algoritmo que pueda formular la función seno.



PSEUDOCODIGO:

```
Inicio
Variables: x=2, y,I;
        Para (  i=0    hasta  360    ;   i+=5)    hacer
            y = ceil(sin(i/180*PI)*20)/2;
            gotoxy(x, 12-y);      escribir  ("o");
            x++;
        Fin-para
fin
```

DIAGRAMA DE FLUJO



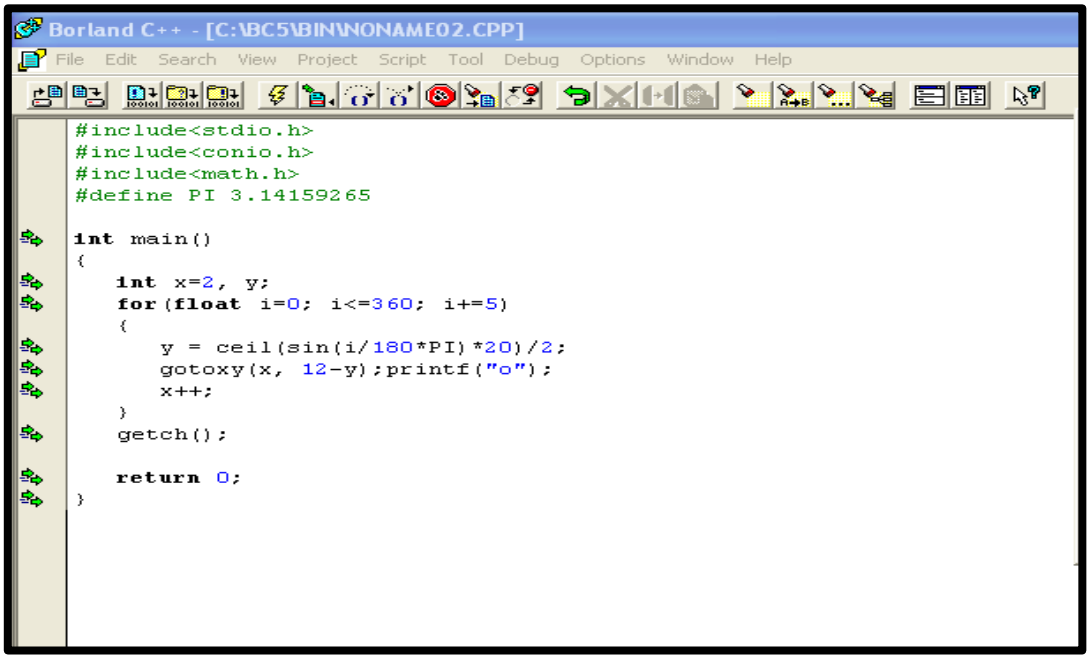
CODIGO FUENTE

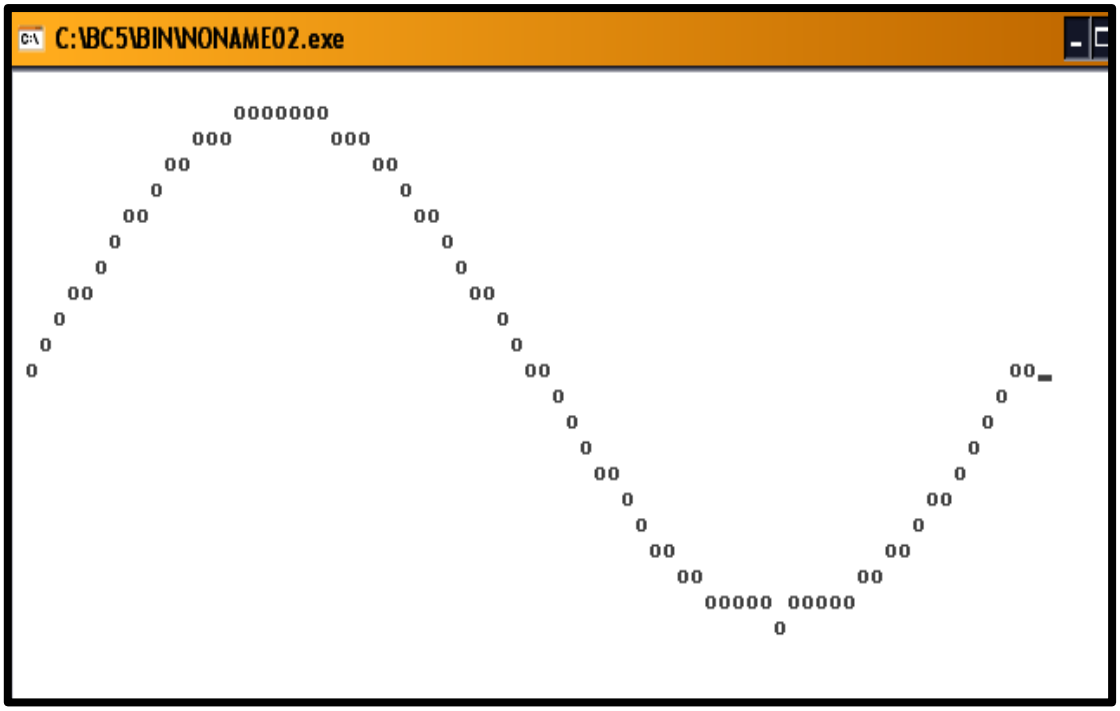
```
#include<stdio.h>
#include<conio.h>
#include<math.h>
#define PI 3.14159265

int main()
{
	int x=2, y;
	for(float i=0; i<=360; i+=5)
	{
		y = ceil(sin(i/180*PI)*20)/2;
		gotoxy(x, 12-y);printf("o");
		x++;
	}
	getch();

	return 0;
}
```

PROGRAMA:


Borland C++ - [C:\BC5\BIN\NONAME02.CPP]
File Edit Search View Project Script Tool Debug Options Window Help
#include<stdio.h>
#include<conio.h>
#include<math.h>
#define PI 3.14159265
int main()
{
int x=2, y;
for(float i=0; i<=360; i+=5)
{
y = ceil(sin(i/180*PI)*20)/2;
gotoxy(x, 12-y);printf("o");
x++;
}
getch();
return 0;
}


C:\BC5\BIN\NONAME02.exe