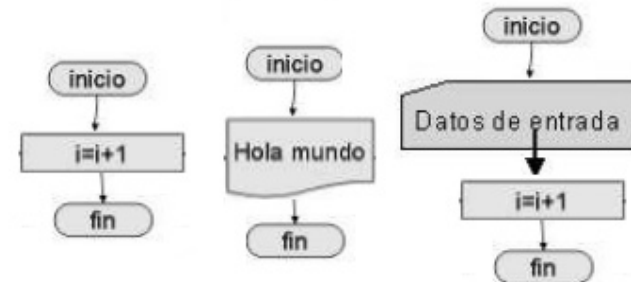
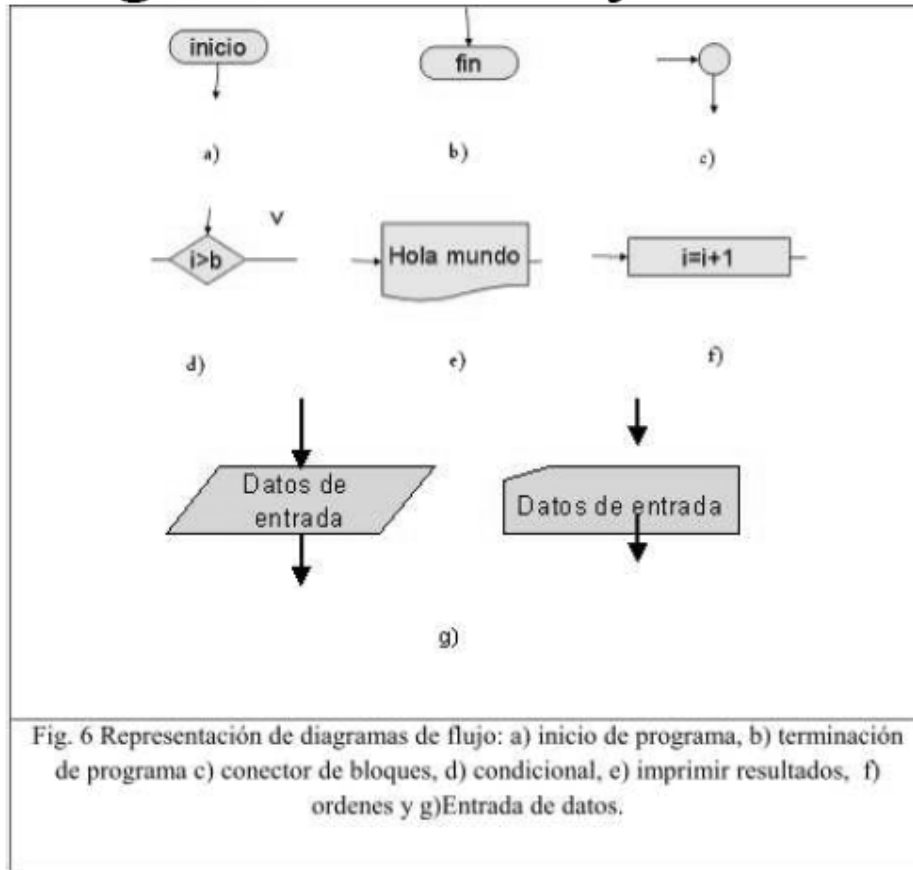
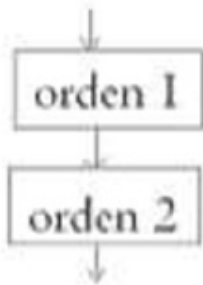


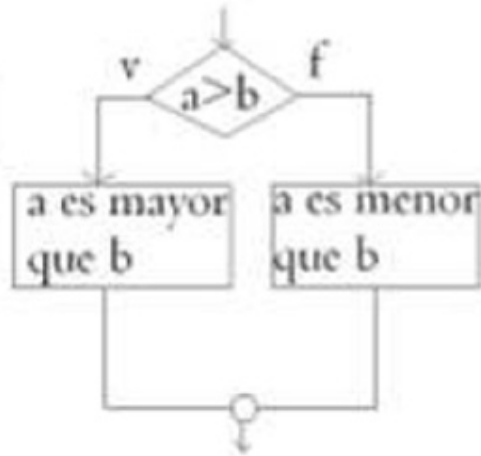
Diagramas de Flujo. BASICO



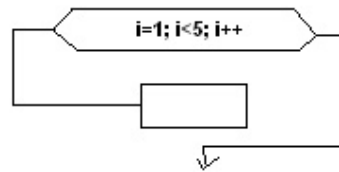
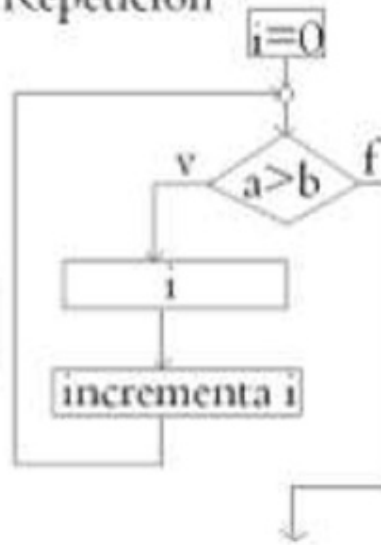
Secuencia



Selección

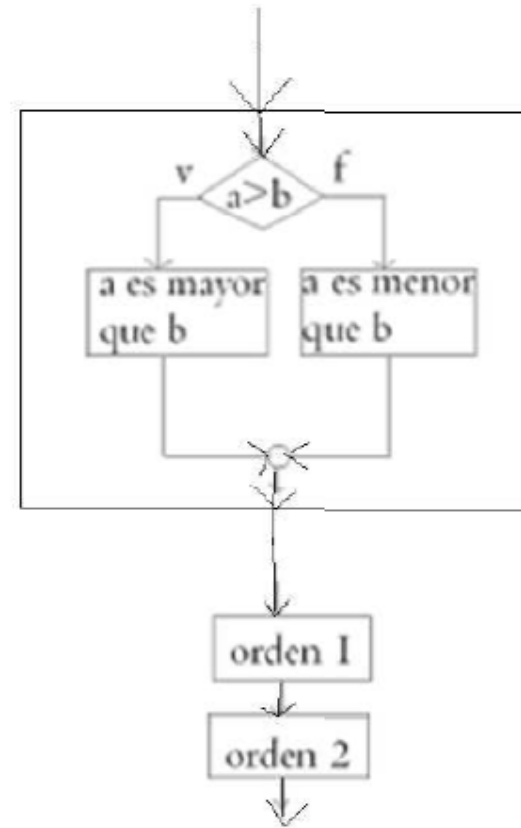
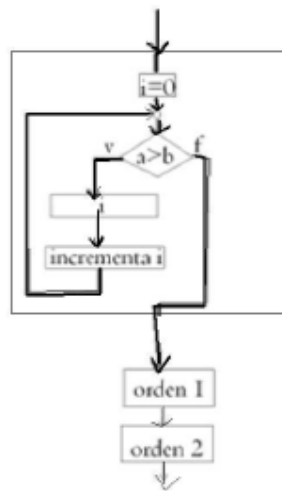


Repetición

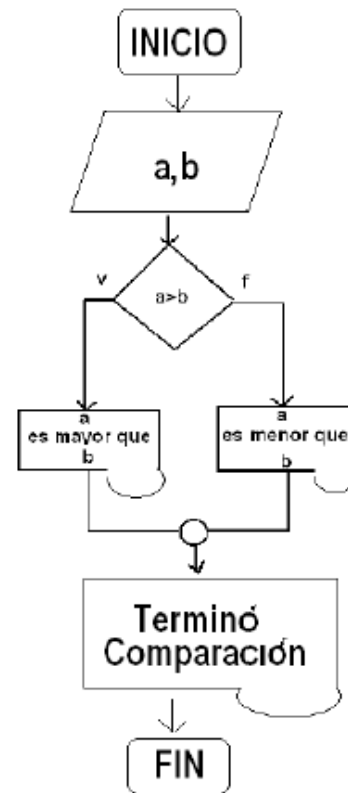
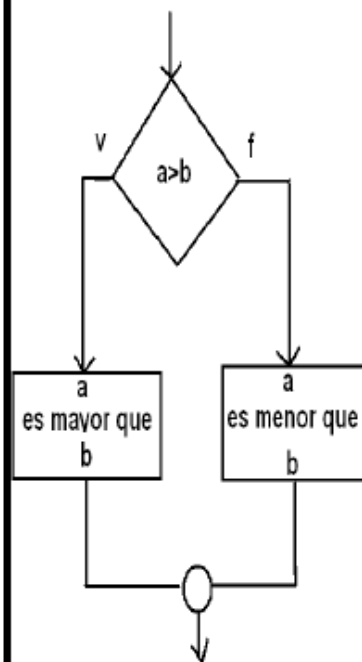


Algoritmo Estructurado

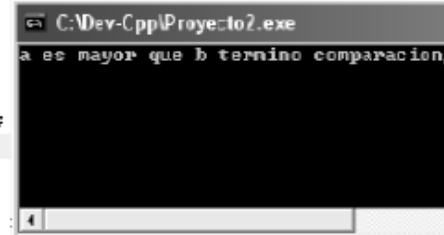
- Buscar en tu problema los procesos que se ajustan a cada bloque: Secuencia, Selección y Repetición.



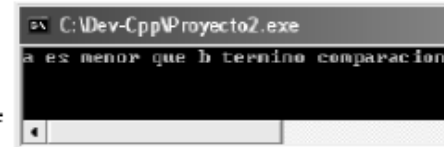
Analizando los procesos Básicos



```
main(  
{  
    int a, b;  
    system("cls");  
  
    a=5;  
    b=2;  
    //inicio bloque if  
    if(a>b)  
        printf("a es mayor que b");  
    else  
        printf("a es menor que b");  
    // fin de bloque if  
    printf(" termino comparacion");  
}
```

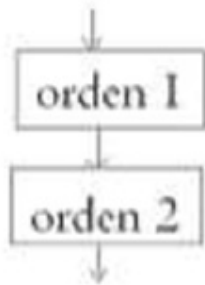


```
main(  
{  
    int a, b;  
    system("cls");  
  
    a=2;  
    b=5;  
    //inicio bloque if  
    if(a>b)  
        printf("a es mayor que b");  
    else  
        printf("a es menor que b");  
    // fin de bloque if  
    printf(" termino comparacion");  
    getch();  
}
```

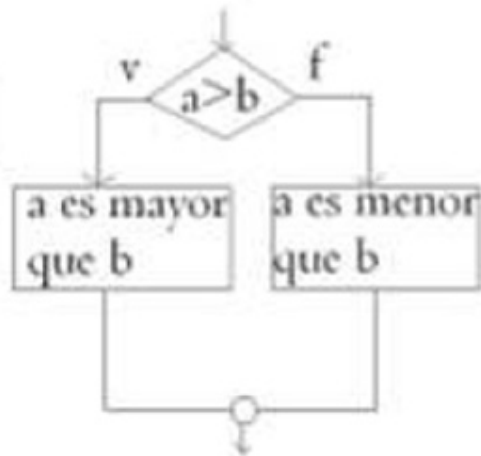


}

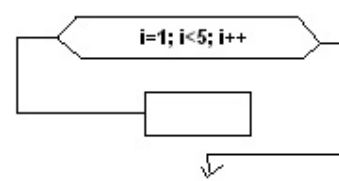
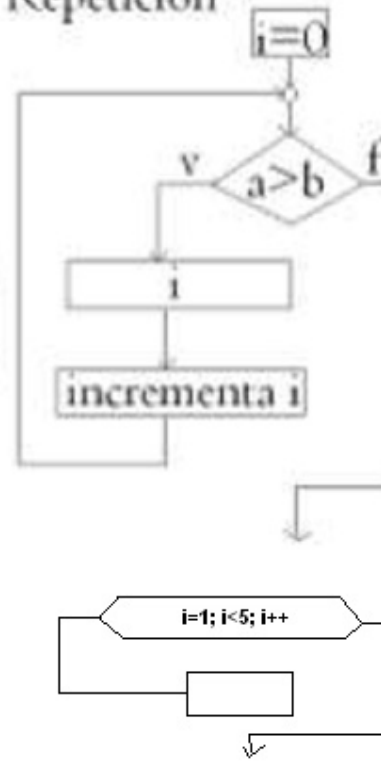
Secuencia



Selección



Repetición



Realiza los siguientes programas, y verifica si realmente hay prioridad en paréntesis.

Operaciones

Izquierda a derecha.

Paréntesis prioridad.

- 1-multiplicacion, 2-division 3 sumas/restas

```
//#include <stdio.h>
```

```
main()  
{  
    float y;  
    //system("cls");  
    printf("Operaciones");  
    y=5+3*6;  
    printf(" y= %f",y);  
    getch();  
}
```

```
C:\Dev-Cpp\Proyecto2.exe  
Operaciones y= 23.000000  
//#include <stdio.h>  
main()  
{  
    float y;  
    //system("cls");  
    printf("Operaciones");  
    y=5+3*6/2;  
    printf(" y= %f",y);  
    getch();
```

```
C:\Dev-Cpp\Proyecto2.exe  
Operaciones y= 14.000000
```

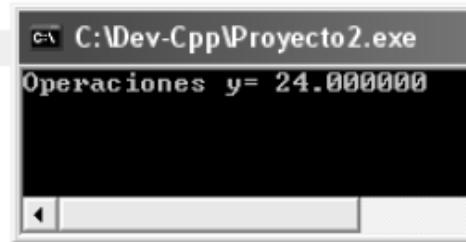
```
//#include <stdio.h>  
main()  
{  
    float y;  
    //system("cls");  
    printf("Operaciones");  
    y=5+3*6/2+5/2*3+1;  
    printf(" y= %f",y);  
    getch();
```

```
C:\Dev-Cpp\Proyecto2.exe  
Operaciones y= 24.000000
```

Operaciones

```
//#include <stdio.h>

main()
{
    float y;
    //system("cls");
    printf("Operaciones");
    y=5+3*6/2+6/2*3+1;
    printf(" y= %f",y);
    getch();
}
```

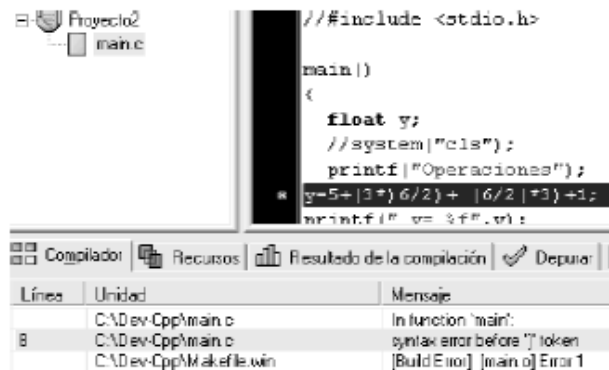
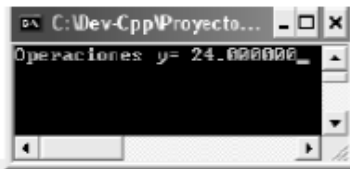


$$\begin{array}{cccccccccccc} 5 & + & & 3 * 6 / 2 & + & 6 / 2 * 3 & & & + & & 1 \\ & | & & | & | & | & & & | & & \\ & 3 & * & 6 / 2 & 6 / 2 & * & 3 & & & & \\ & & | & 3 & 3 & | & & & & & \\ & & 9 & & & 9 & & & & & \\ & & & & & & & & & & \end{array}$$

$$\begin{aligned} & 5+9+9+1 \\ & = 14+10=24 \end{aligned}$$

Op. con paréntesis

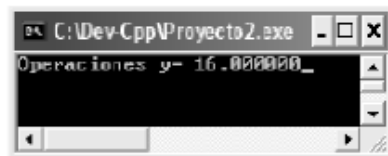
```
//#include <stdio.h>
main()
{
    float y;
    //system("cls");
    printf("Operaciones");
    y=5+(3*(6/2))+ ((6/2)*3)+1;
    printf(" y= %f",y);
    getch();
}
```



```
//#include <stdio.h>
main()
{
    float y;
    //system("cls");
    printf("Operaciones");
    y=5+(3* 6/2)+ (6/2 |*3)+1;
    printf(" y= %f",y);
}
```

Línea	Unidad	Mensaje
8	C:\Dev-Cpp\main.c	In function 'main': syntax error before ')' token
	C:\Dev-Cpp\Makefile.win	[Build Error] [main.c] Error 1

```
//#include <stdio.h>
main()
{
    float y;
    //system("cls");
    printf("Operaciones");
    y=5+((3*6)/2)+ (6/(2*3))+1;
    printf(" y= %f",y);
    getch();
}
```



```
//#include <stdio.h>
main()
{
    float y;
    //system("cls");
    printf("Operaciones");
    y=(5+3)*6/(2+ 6)/2*(3+1);
    printf(" y= %f",y);
    getch();
}
```

