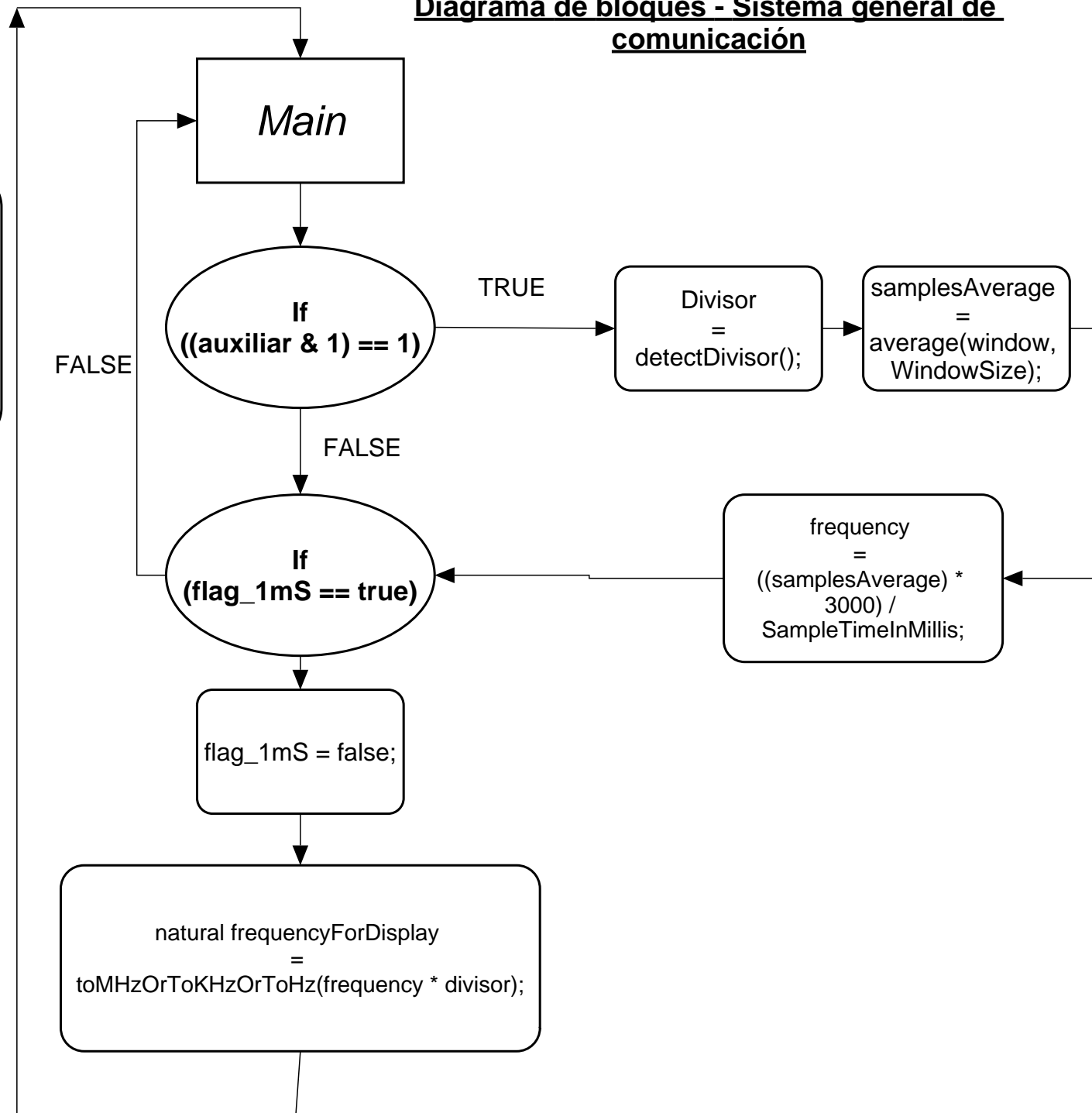
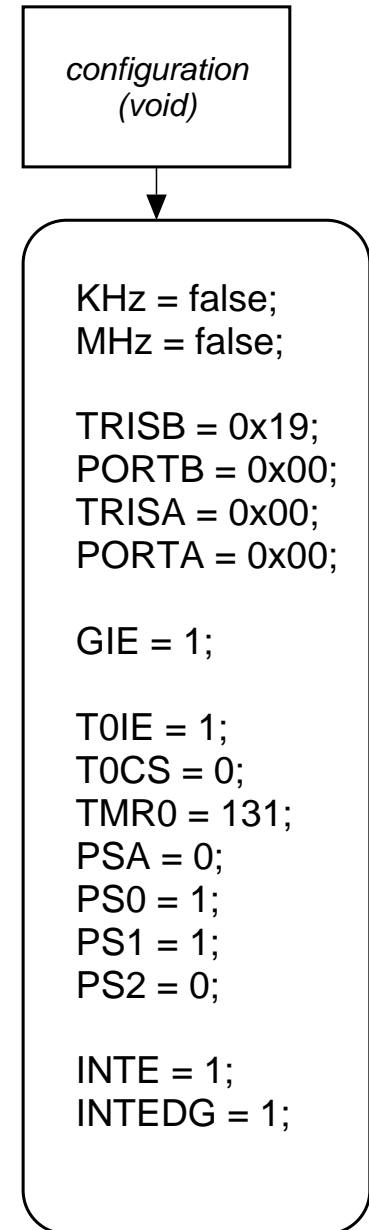
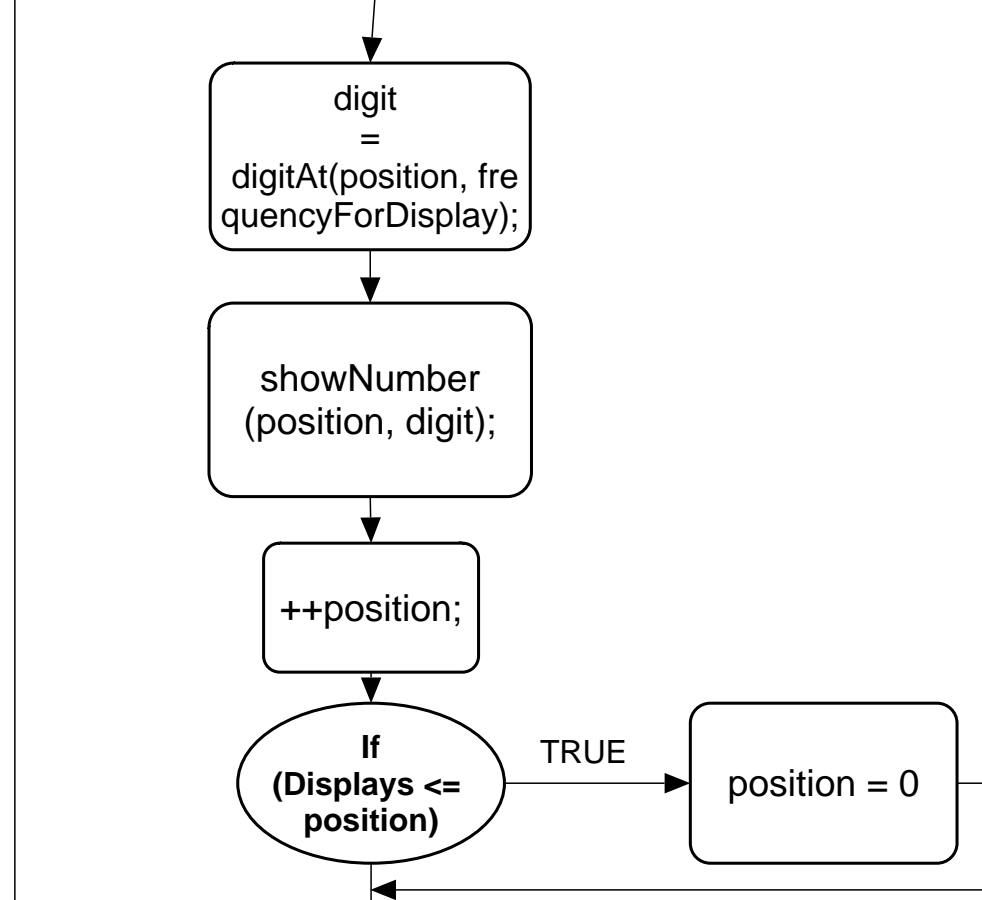


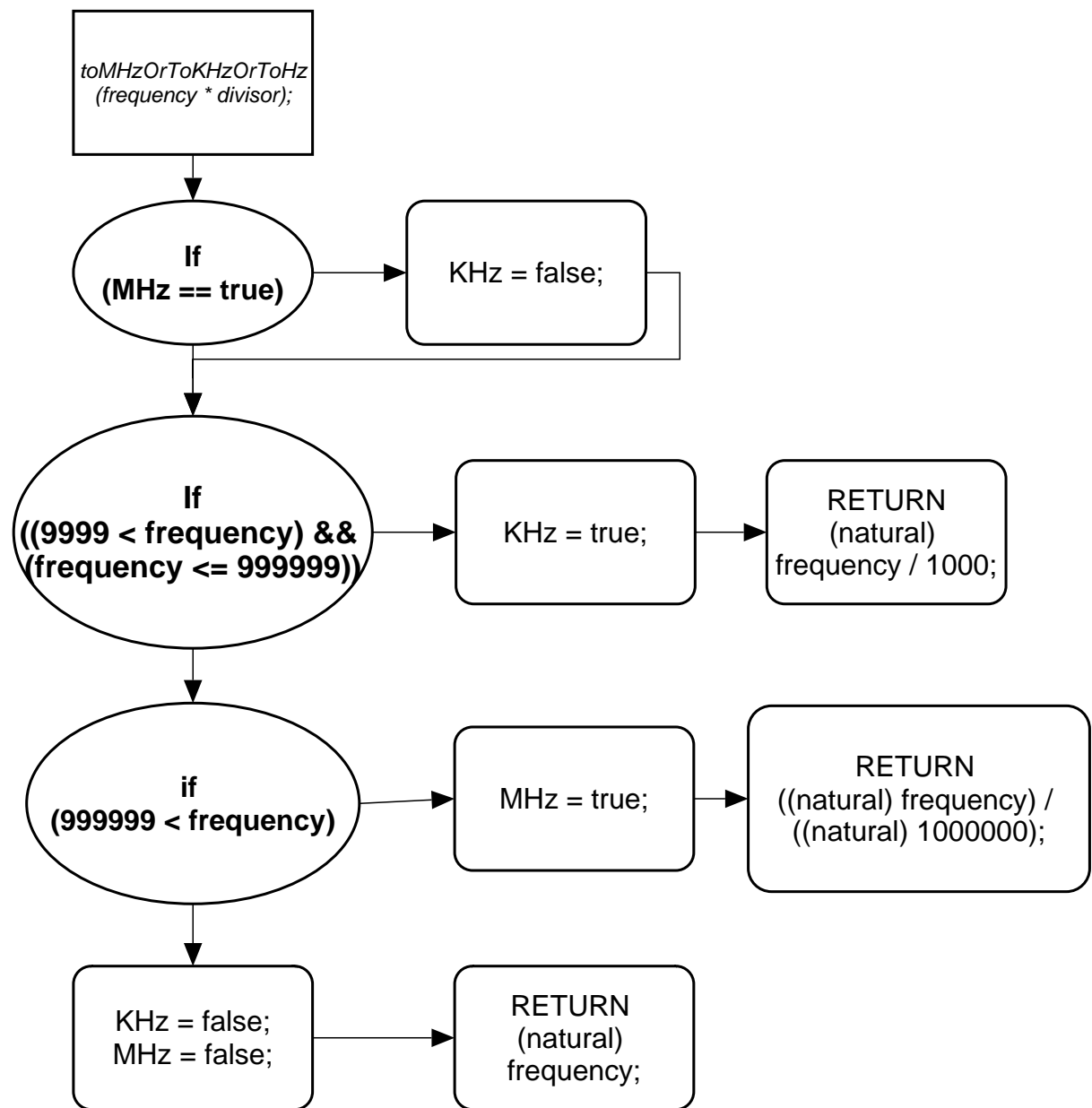
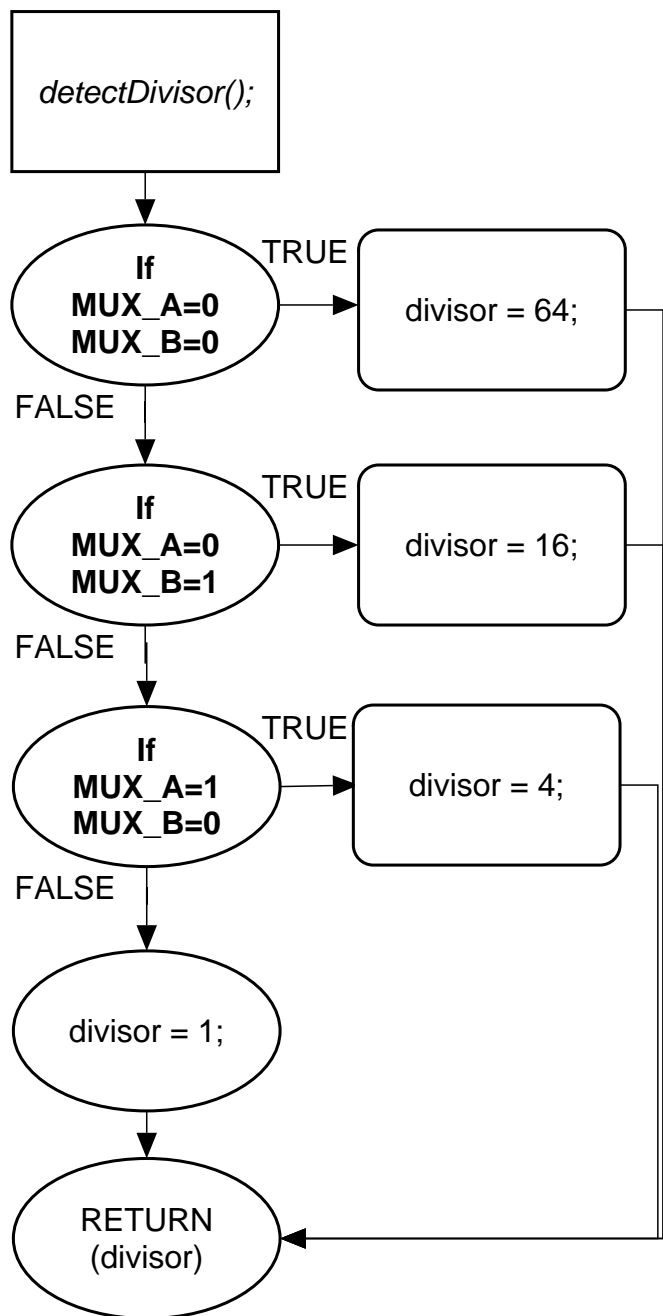
Diagrama de bloques - Sistema general de comunicación

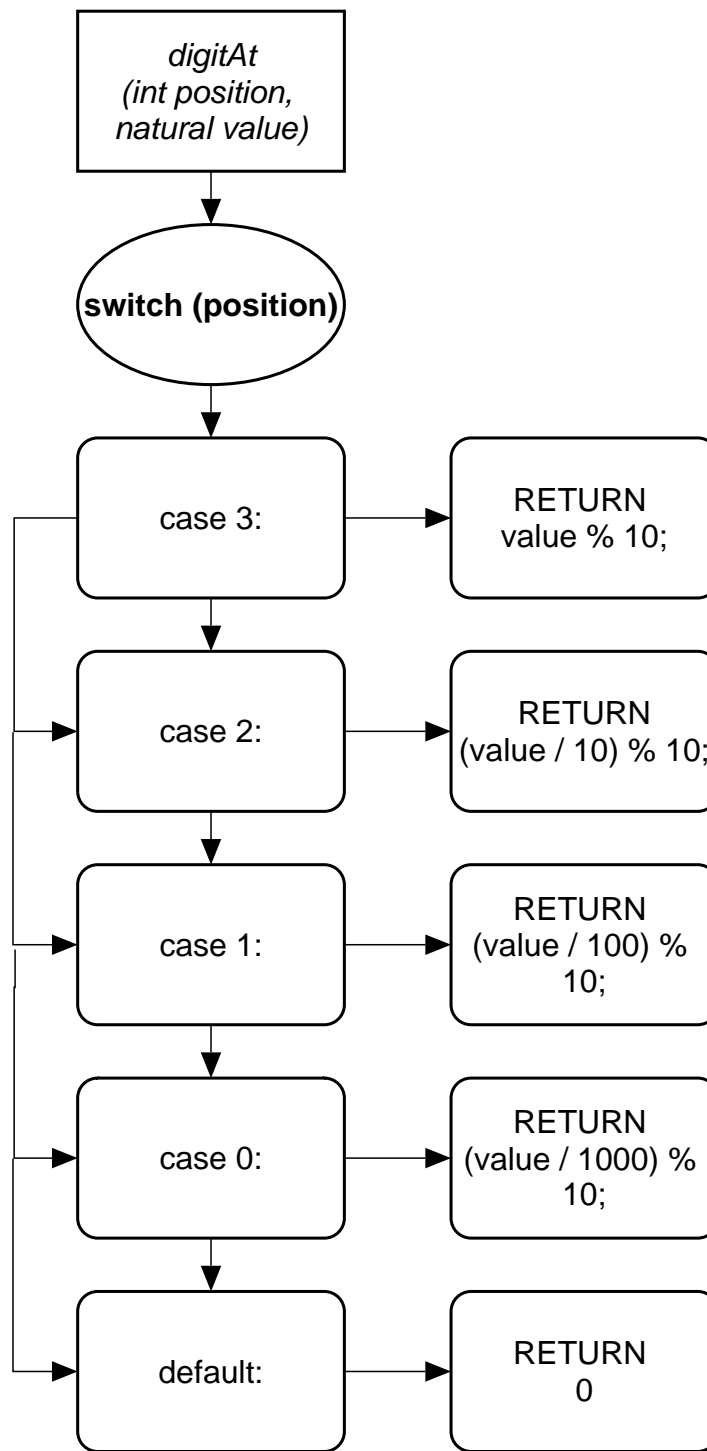
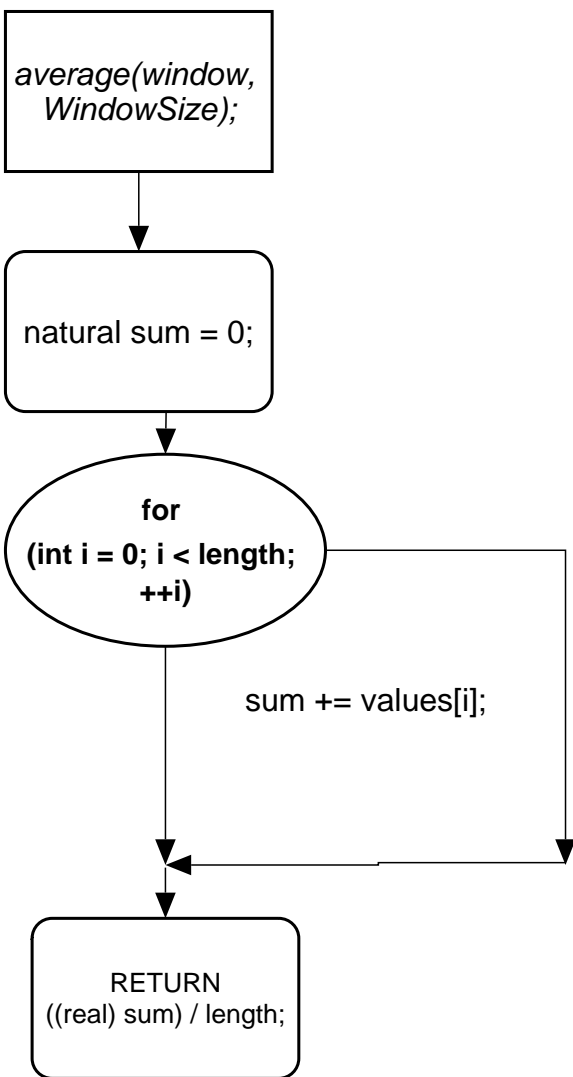
```
// Definición de variables:  
typedef __uint24 natural;  
typedef float real;
```

```
// Variables Globales:  
natural flankChanges = 0;  
natural window[WindowSize];  
  
int timerTicks = 0;  
int sampleTicks = 0;  
bool flag_1mS = false;  
int auxiliar = 0;
```









__interrupt()
ISR(void)

if
(T0IF == true)

flag_1mS = true;
++timerTicks;
TMR0 = 131;
T0IF = 0;

if
((INTF == true) &&
((auxiliar & 1) == 0))

++flankChanges;
INTF = false;

else

INTF = false;
INTE = false;

if
(timerTicks ==
SampleTimeInMillis)

if
((auxiliar & 1) == 0)

