

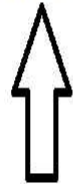
COMBINACIONALES

```
with a select b <=
  "1000" when "00",
  "0100" when "01",
  "0010" when "10",
  "0001" when "11";
```

```
b <= "1000" when a = "00" else
  "0100" when a = "01" else
  "0010" when a = "10" else
  "0001" when a = "11";
```

SECUENCIALES

PROCESS (



```
IF (reloj='1' AND enable='1') THEN
  salida<=entrada;
ELSIF (enable='1') THEN
  salida<=tmp;
ELSE
  salida<='0';
END IF;
```



```
CASE a IS
  WHEN 0      => B:=0;
  WHEN 1 to 50 => B:=1;
  WHEN 99 to 51 => B:=2;
  WHEN OTHERS => B:=3;
END CASE;
```



```
bucle1: LOOP
  a:=A+1;
  b:=20;
  bucle2: LOOP
    IF b < (a*b) THEN
      EXIT bucle2;
    END IF;
    b:=b+a;
  END LOOP bucle2;
  EXIT bucle1 WHEN a>10;
END LOOP bucle1;
```



```
bucle1: FOR a IN 1 TO 10 LOOP
  b:=20;
  bucle2: LOOP
    IF b<(a*a) THEN
      EXIT bucle2;
    END IF;
    b:=b-a;
  END LOOP bucle2;
END LOOP bucle1;
```



```
cuenta := 10;
bucle1: WHILE cuenta >= 0 LOOP
  cuenta := cuenta + 1;
  b:=20;
  bucle2: LOOP
    IF b<(a*a) THEN
      EXIT bucle2;
    END IF;
    b := b-a;
  END LOOP bucle2;
END LOOP bucle1;
```