7) Implement de flots de données: * Danance concurrent: ac'est & especiente de moto des login et end de 31 architecture * Down ce domaire onn des Structures employees concurrentes down le temps is cakateis en m' temps -- A et B sont calcule un m temps E: A & CorD B (= c and D * Element du domaine Concerent Traitement de floto de denners; * Affectation Simples * Affectation conditionnelles: when, else · Affectation Selection: with, Select - Processors utilisent one description Sequentille Exemple, - Port ET avec une strahue conditende: a sake (= 1 when entract = 1 and entrace = 1 else o'; _ Port ET En vectorsant de sygnax l'entros architecture comportement of parket is signal entress: STD_LaGIC_VECTOR (1 to 2); boyin entrees = entree 1 & entree 25 Sorte (= 1' when entrees = "11" else '0' i end comportenent; · pour specifier da valen d'un J.T.D. LOGIC - VECTOR in utilise de difféquet , of por un STOLLIGIC On whilm '10

```
* Application; Unite' arithmetique Simple.
                                                                       operation
 * 2 operations possible:
    e operation = 'o' => Resulted & operand A + operand A
   · operation = 1 => Resulta) + operande A - operande B
                                              operande B
 Cod VHOL:
library TEEE;
 use TEEE. STD_LAGIC_ 1164. AL,
USE IEF. HYHERIC-STD. ALL,
  -- Humeric-STD par ses operations arithmorphism
entity wal 15
  Part ( operande A 1 in STOLlagre-valor (- + downto o))
         o perande is in STD-logic-washor (7 downtoo);
         operation : in STD- (05)
          resultate out STD-lygic-vector (Fdown to OS),
end ual;
architecture composterement of wal is
 bagin
     resultat (= STD_LOGIC_VECTOR (SIGNED (operand A) + SIGNED (operand B)) when operating = "o"
            else STD_ locale_vector ( SIGNED (operante A) - SIGNED (operante B) I when operation = 1
           else '0000 0000' ;
 end comportement;
               * Exemple of Affectation Selective ,
                * POST ET
                   architecture comp of poster is
                        signal entress: STA-LOGIC -VECTOR (1 to 2)
                      entrees = entrees & entrees >
                     with entres select
                          Soche (= '1' when '11",
                   end comp;
                Rue: 80 straw with select: se terms byis por un signe who chiers
```