





C Page
> For each digit 'i' of A and B
Ai T
Bi Yi
Ano gate.
-> We wish to check if (A = B) bitwise.
Tr 1: 10:
If Ai & Ri > 0 We need XOR
Ai Bi Outpil
0 0 1 Collect all XOR result (4)
100 and AND them to make flag.
1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Ai Bi XORi + lay. if 1, Y=A=B
1 1 0, Y=0-
CEII.
they :-
it widsom is
Part C torat A3, A2 A, A0 B3, B, B0: in Std-logic -
entity midsem is Port C tropat A3, A2 A, A0 B3, B, B, B0: in Std-logic Y5, Y4, Y3, Y2, Y, Y0: out Std-logic);
1 wille midsem:
and entity midseur;