Digital Design CS 631-01 Combinational Lagic Coode RISC-V ASsembly L(35h (ese) RIGC-V Machine Code (Emu) SW RISC-V Processor

Low RISC-V Processor

1 = v = 1

Pigitul Design

Www. Schematic HDLs

Mardware Deceription

Longuages

Verilog

VHDL

SW c / Asm ISA Dicital Logic HW Analog - Disital 54

devices -> gates

Wires

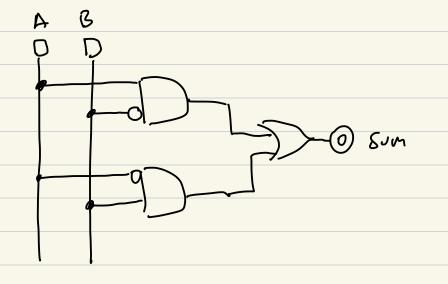
(a.b)+(c.d)

Sun-of-products

$$\alpha = 0$$
  $b = 1$ 

$$Sum = (5.1) + (0.7)$$

$$\pm (1.1) + (0.0)$$



Sum-of-products

2) Boild a truth table

f) Define your function

D) (30/10, W /10/10/ 10/10/

3) Identify cons with our of = )

4) Construct product trims for each jow a) doing invert if imputis!

b) inwest if imputies o

Sum (+) all product terms

