list out the Steps in designing ALV

stepl: Add the two input pins, Drop two East facing input s' pins on the canwas 4 bits each label A and B ensure that input is 4 bits

steps: Add the Adder Subtractor and gates Now we add the sub crauits created earlier select circuits under main project handler folder

Steps: Add the multiplies!

Take on of mole inputs and generate a single output in Logisim multiplexers and under plexer folder-click multiplexer teon and drop two ob them into cantas

Step 4: Add controls

Drop two pins on the annual north bacing with I data
bit. Label them of I respectively

Steps: Add a splitter into our circuit that takes
Next we add a splitter into our circuit that takes
one line from the swind multiplexer and split to
4 inputs to an OR goth for a be bit All

Step 6: Add another or gate and Not gate Now
We add an or gate after the spitter which has y
inputs. To sight of the OR gate and a Not gate.

This Assangement account for zero output when all the best s result in Zero.

The Not gak following The OR gat actives this

Timally add a single bit plu after the Not gat to

Store the result classel it zero

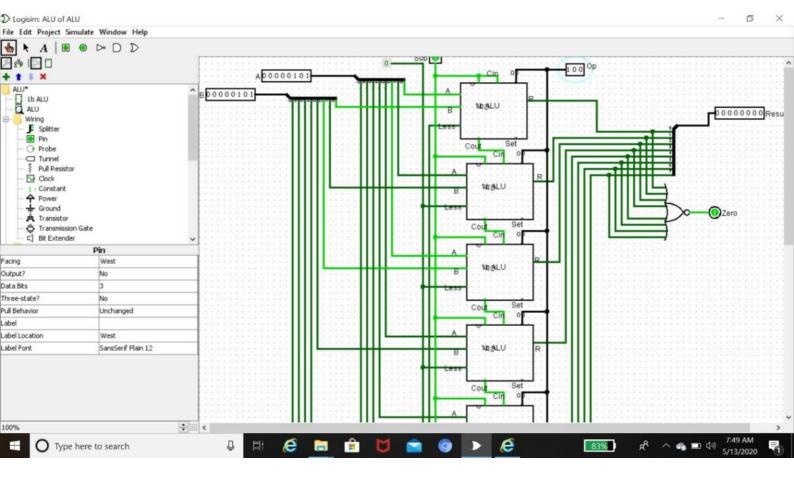
Step 7: Add a result pin for the Max

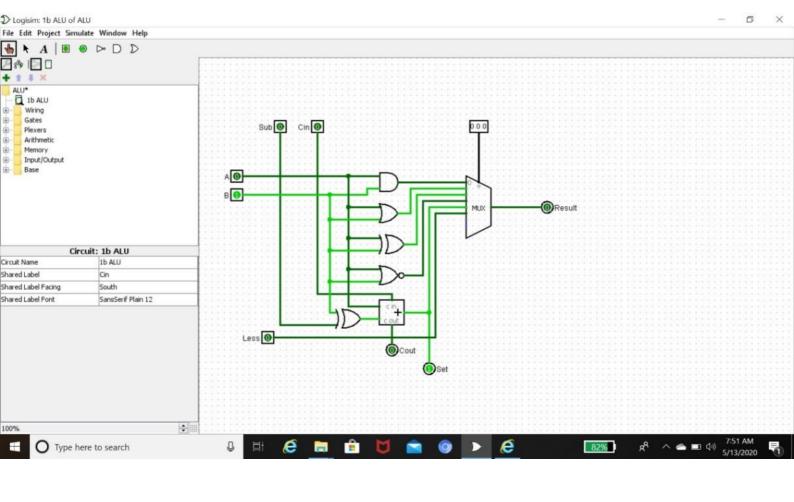
we handled the zeroes carring from the Mux

we handled to account for valid Combinations

but we also need to account for valid Combinations

in in





Praised IMSIR(SO4)

list out the steps in designing memory system

stepl: Add ram

select a separate load and store operation for RAM

Steps: Add Country

Step3: Connect Counter Clock, and Controlled Buffer to

the RAM

Ster3: Add TTY

To display Data Read on Memoly

step 4: Add Random henceated

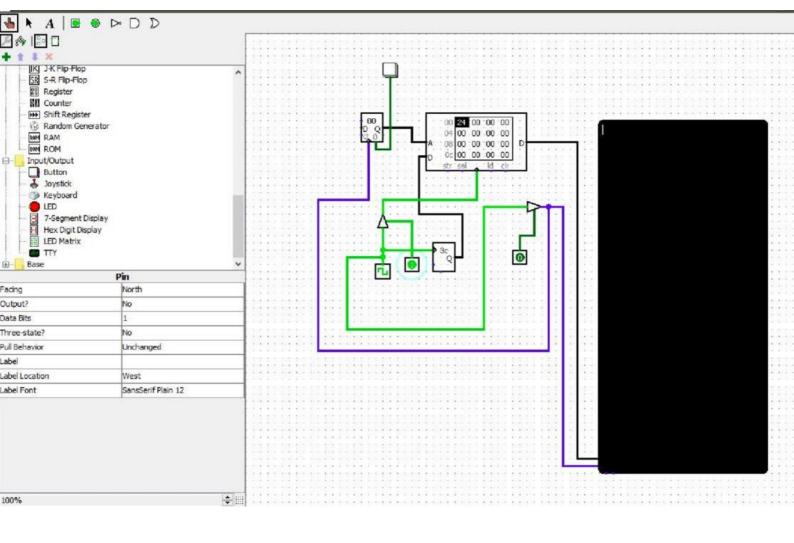
to General different address location

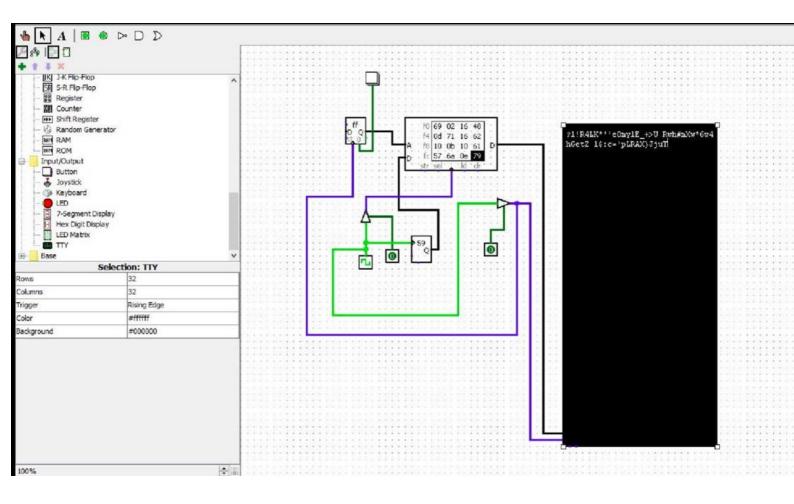
Add input and another controlled Bullet to

the Random Creveratol

SKPS: Add Butter

Connect Button to Courter.





Prajwal 1M118 (3091 Time (in clock cycles) Program execution order in instruction ccp (la CCI 112 ces ce ce CC3 ((4. 1 w \$ 10, 20 (11) [Trus trucker betch Duta Access Instruction Execution decode Write nata Instruction execution sub \$11, 12, 13 dewood Bacic fetch access MAK Instoychion Instructionexecute 0009 add \$12, \$3, \$4 days 194cle fetch decode Migw Instructural Enstructur 12 \$13, 24(11) para exector execus add \$14, \$5, \$ 6 Data Instouchen Instouder decode

Prajual 1mg18 (2091 Time in clock cycles (C) (C) (C) (C) (C) (C) (C) program execution order (w \$10,20(11) [IM-] teg . [A] [OM] [Reg] In Has 1-18 Sub S 11, \$2, \$3 [m-J-180] - [m-J-180] add \$12,\$3,\$4 Im - I- rest - I- Tom - I- res Iw \$13,24(\$1) Im-D-real Part Jem, O-19 add \$14,15,16

