


3. 

The screenshot shows a Proteus simulation of a 4-bit adder circuit. The central component is a 74283 IC, labeled "inst 4 BIT ADDER". The inputs are configured as follows:

- CIN**: Connected to a switch labeled "ZERO".
- A1**: Connected to a switch labeled "X0".
- A2**: Connected to a switch labeled "X1".
- A3**: Connected to a switch labeled "X2".
- A4**: Connected to a switch labeled "X3".

All input switches are currently in the "INPUT VCC" position. The outputs of the 74283 IC are connected to LEDs:

- SUM1** to **SUM4**: Connected to LEDs labeled Y0, Y1, Y2, and Y3 respectively.
- COUT**: Connected to LEDs labeled Y4 and Y5.