**Lab5.v**

**A screen shot of a computer program

Description automatically generated**

**Lab5\_tb.v**

**A screenshot of a computer program

Description automatically generated**

**Timing Chart**

**A green lines on a black background

Description automatically generated**

**TCL Console**

A: 0101

B: 1001

Cin: 0

Sum: 1110

Cout: 0

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A: 0011

B: 1001

Cin: 1

Sum: 1101

Cout: 0

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A: 0011

B: 1001

Cin: 1

Sum: 1101

Cout: 0

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A: 0110

B: 1011

Cin: 1

Sum: 0010

Cout: 1

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A: 0110

B: 1011

Cin: 1

Sum: 0010

Cout: 1

-------------------------

A: 0110

B: 1011

Cin: 1

Sum: 0010

Cout: 1

-------------------------

A: 1001

B: 0101

Cin: 0

Sum: 1110

Cout: 0

-------------------------

A: 1001

B: 0101

Cin: 0

Sum: 1110

Cout: 0

-------------------------

A: 1001

B: 0101

Cin: 0

Sum: 1110

Cout: 0

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A: 1001

B: 0101

Cin: 0

Sum: 1110

Cout: 0

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