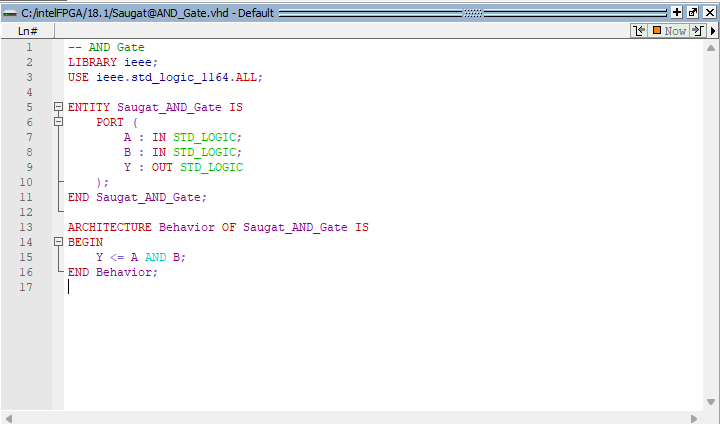
**Lab-1**

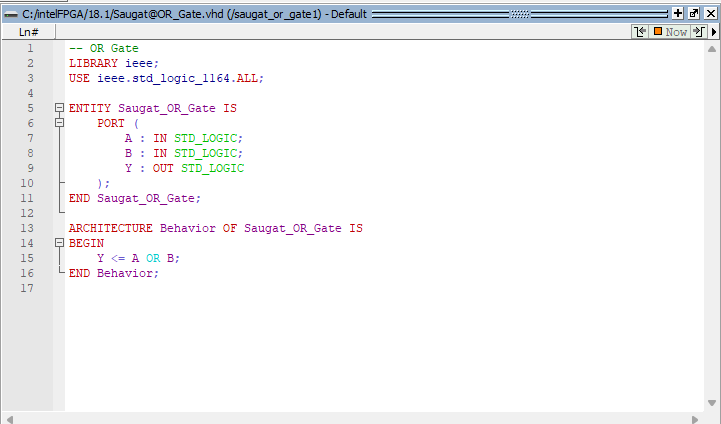
1. AND GATE:



Output (Wave):



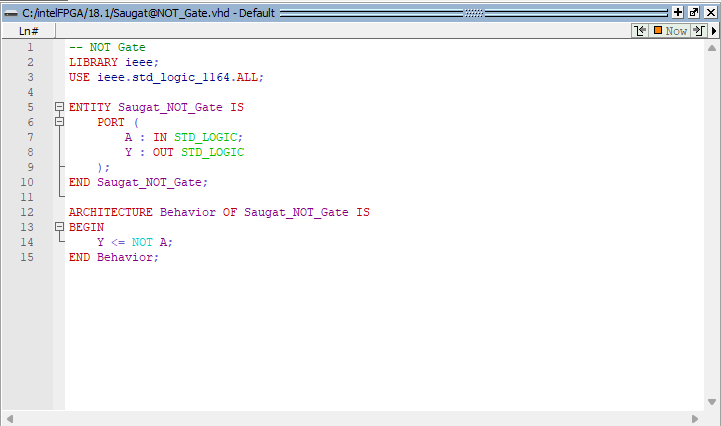
1. OR GATE:



OUTPUT (Wave):



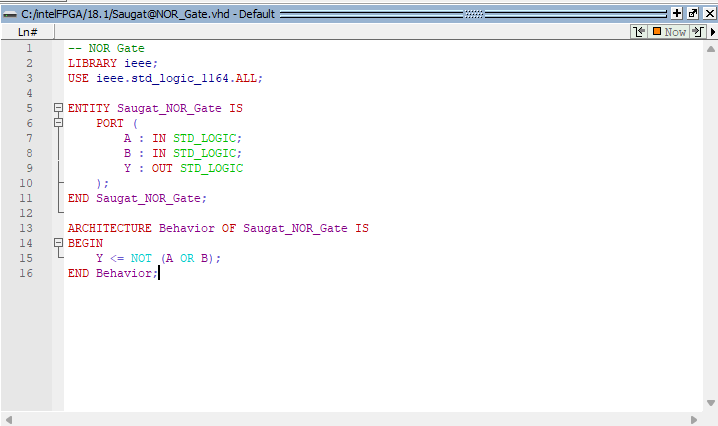
1. NOT GATE:



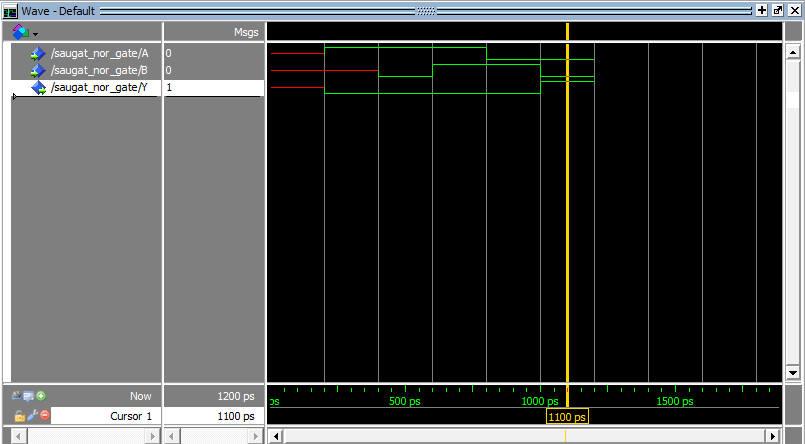
OUTPUT(Wave):



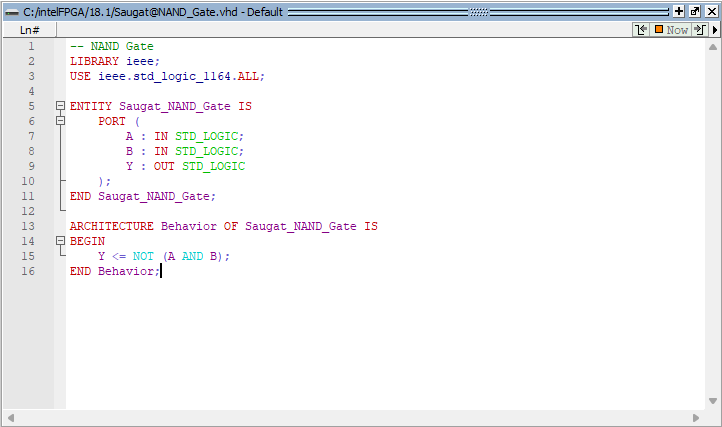
1. NOR GATE:



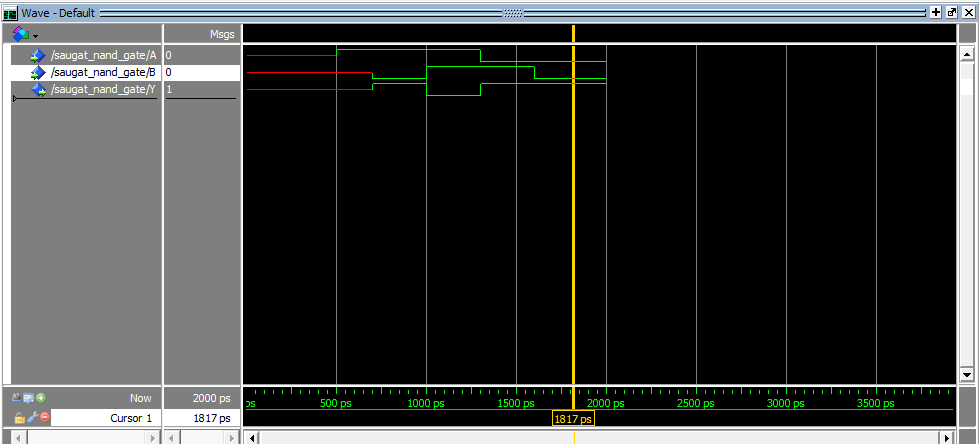
OUTPUT(Wave):



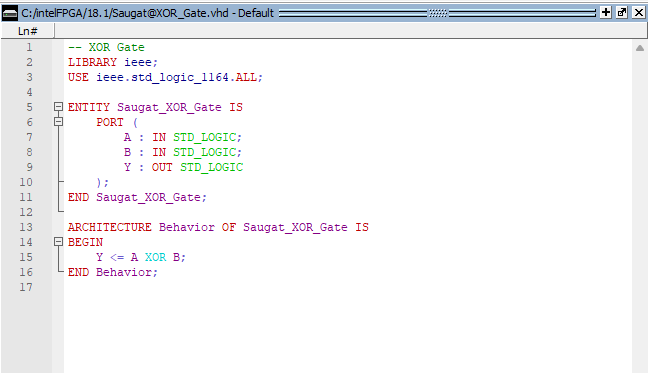
1. NAND GATE:



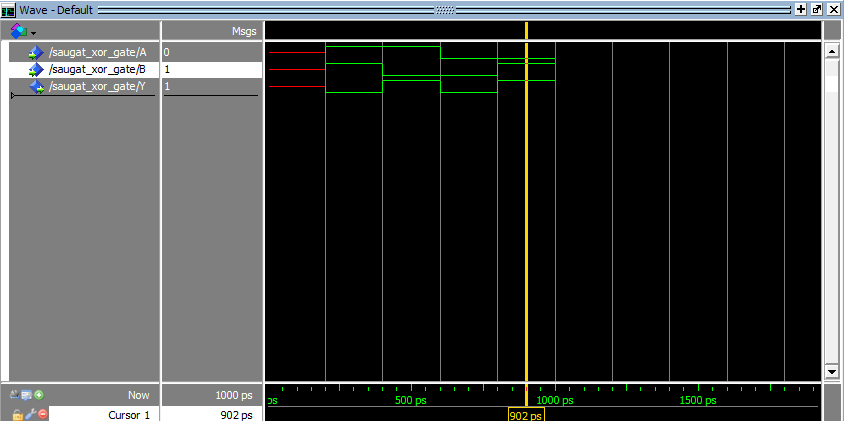
OUTPUT(Wave) :



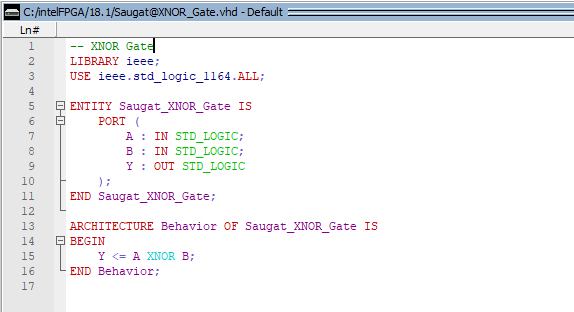
1. X-OR GATE:



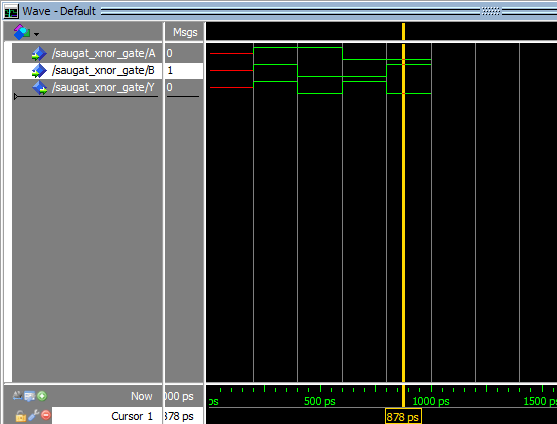
OUTPUT(Wave) :



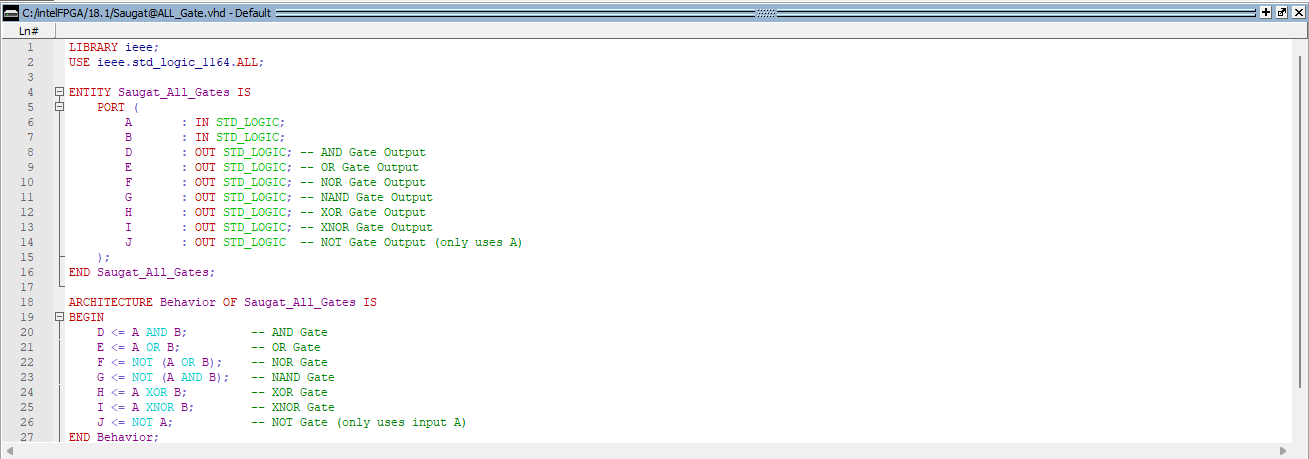
1. X-NOR GATE:



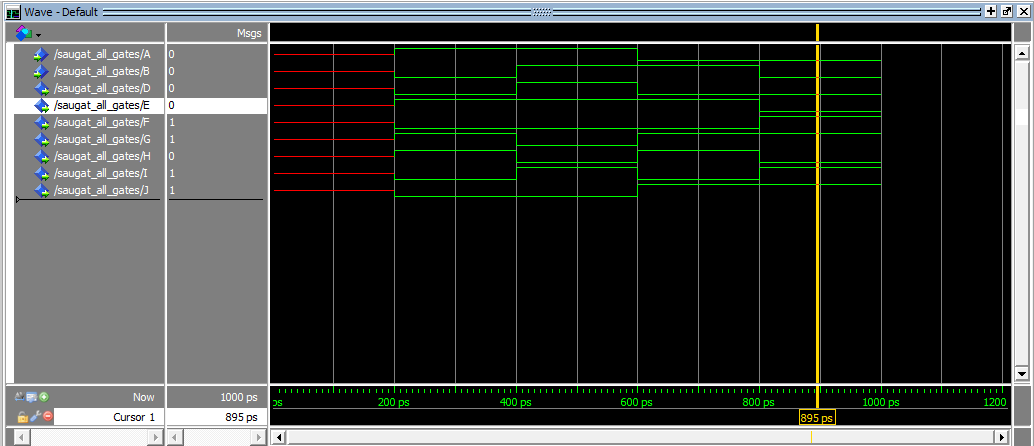
OUTPUT(Wave):



1. ALL-COMBINED GATES:

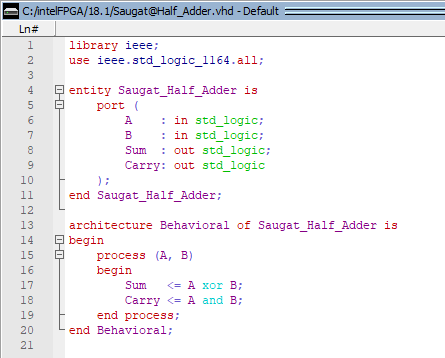


OUTPUT(Wave):



**Lab-2**

1. Half-Adder:



OUTPUT(Wave):

A screenshot of a computer

AI-generated content may be incorrect.

1. Half-Subractor:

A screenshot of a computer program

AI-generated content may be incorrect.

OUTPUT(Wave):

A screenshot of a computer

AI-generated content may be incorrect.

**Lab-3**

1. Full-Adder:

A screenshot of a computer program

AI-generated content may be incorrect.

OUTPUT(Wave):

A screenshot of a computer

AI-generated content may be incorrect.

1. Full-Subtractor:

A screenshot of a computer program

AI-generated content may be incorrect.

OUTPUT(Wave):

A screenshot of a computer

AI-generated content may be incorrect.

**Lab-4**

1. Overflow:

A screenshot of a computer

AI-generated content may be incorrect.

OUTPUT(Wave):

A screenshot of a computer

AI-generated content may be incorrect.

**Lab-5**

1. Binary-Subtractor-Adder (BSA):

A screenshot of a computer program

AI-generated content may be incorrect.

OUTPUT(Wave):A screenshot of a computer

AI-generated content may be incorrect.

**Lab-6**

1. Arithmetic Logical Unit (ALU):

A screenshot of a computer program

AI-generated content may be incorrect.

OUTPUT(Wave):

A screenshot of a computer

AI-generated content may be incorrect.

**Lab-7**

1. Control Unit (CU):

A screenshot of a computer program

AI-generated content may be incorrect.

OUTPUT(Wave):

A screenshot of a computer

AI-generated content may be incorrect.

**Lab-8**

1. Maping:

A screenshot of a computer program

AI-generated content may be incorrect.

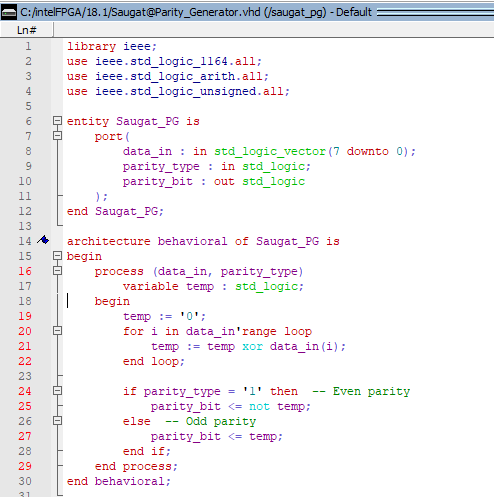
OUTPUT(Wave):

A screenshot of a computer

AI-generated content may be incorrect.

**Lab-9**

1. Parity Generator:



OUTPUT(Wave):

A screenshot of a computer

AI-generated content may be incorrect.

**Lab-10**

1. Parity Checker:

A screenshot of a computer program

AI-generated content may be incorrect.

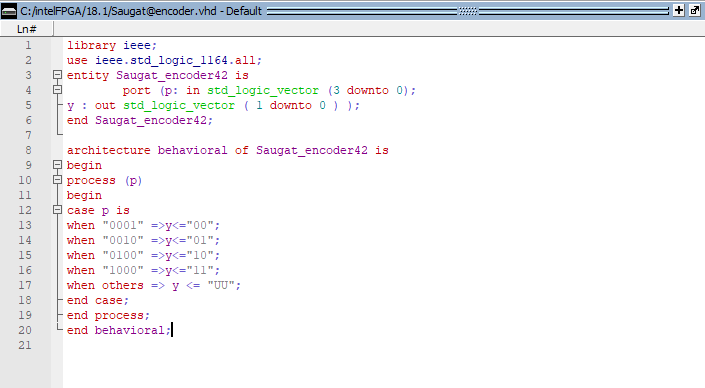
OUTPUT(Wave):

A screenshot of a computer

AI-generated content may be incorrect.

**Lab-11**

1. Encoder:



OUTPUT(Wave):

A screen shot of a computer

AI-generated content may be incorrect.

**Lab-12**

1. Decoder:

A screenshot of a computer program

AI-generated content may be incorrect.

OUTPUT(Wave):

A screen shot of a computer

AI-generated content may be incorrect.

**Lab-13**

1. Multiplexer:

A screenshot of a computer

AI-generated content may be incorrect.

OUTPUT(Wave):

A screenshot of a computer

AI-generated content may be incorrect.