**Assignment\_4\_extra**

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**Q1)**

**Verilog code:**

1. **RTL design:**

**A computer screen shot of a program code

AI-generated content may be incorrect.**

1. **Testbench code:**

**A screen shot of a computer screen

AI-generated content may be incorrect.**

**Simulation Tool**

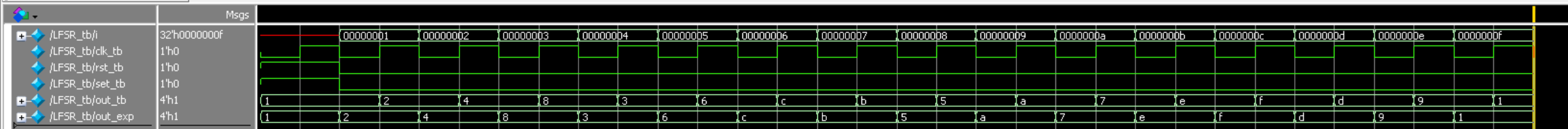
1. **Do file**

**A screenshot of a computer

AI-generated content may be incorrect.**

1. **Questasim**

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**Q2)**

**Verilog code:**

1. **RTL design:**

**A screen shot of a computer program

AI-generated content may be incorrect.**

**Testbench 1:**

**A screen shot of a computer program

AI-generated content may be incorrect.**

**Simulation Tool for testbench 1:**

1. **Do file**

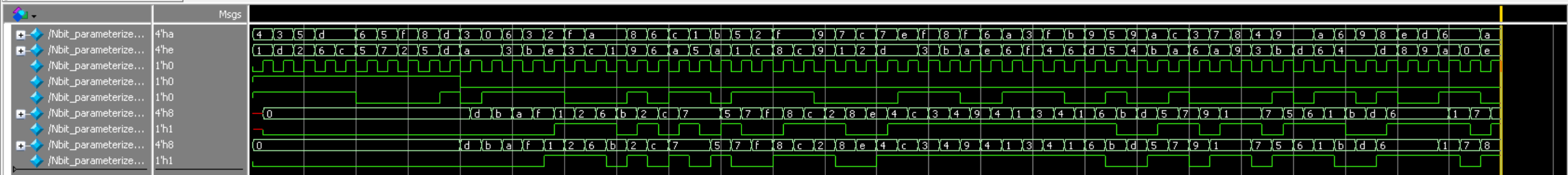
**A screenshot of a computer program

AI-generated content may be incorrect.**

1. **Questasim**

**A close-up of a computer screen

AI-generated content may be incorrect.**

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**Testbench 2:**

**A screen shot of a computer program

AI-generated content may be incorrect.**

**Simulation Tool for testbench 2:**

1. **Do file**

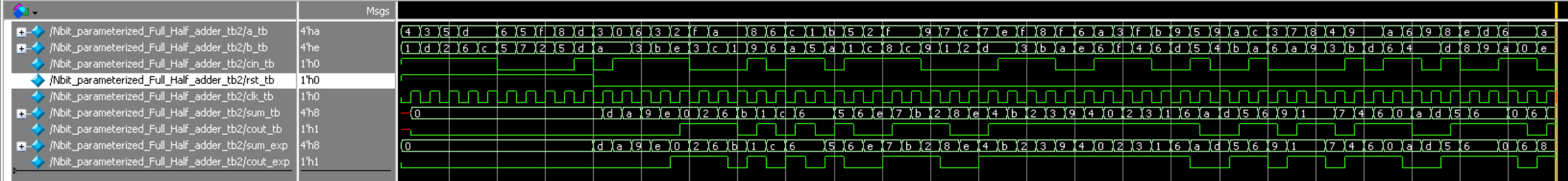
**A screenshot of a computer program

AI-generated content may be incorrect.**

1. **Questasim**

**A white background with blue and red text

AI-generated content may be incorrect.**

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**Testbench 3:**

**A screen shot of a computer program

AI-generated content may be incorrect.**

**Simulation Tool for testbench 3:**

1. **Do file**

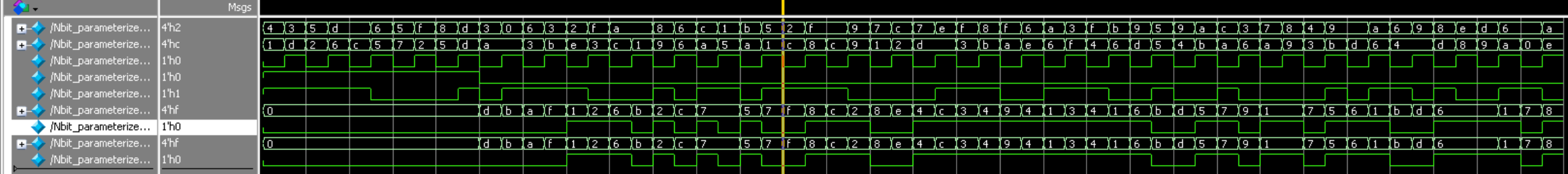
**A screenshot of a computer program

AI-generated content may be incorrect.**

1. **Questasim**

**A screenshot of a computer

AI-generated content may be incorrect.**

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**Testbench 4:**

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**Simulation Tool for testbench 4:**

1. **Do file**

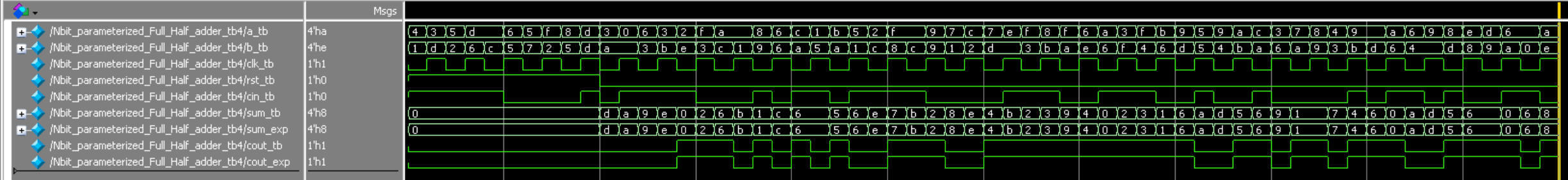
**A screenshot of a computer

AI-generated content may be incorrect.**

1. **Questasim**

**A white background with blue and red text

AI-generated content may be incorrect.**

****

**Q3)**

**Verilog code:**

1. **RTL design:**

**A screen shot of a computer program

AI-generated content may be incorrect.**

1. **Testbench 1:**

**A screen shot of a computer program

AI-generated content may be incorrect.**

**Simulation Tool**

1. **Do file 1**

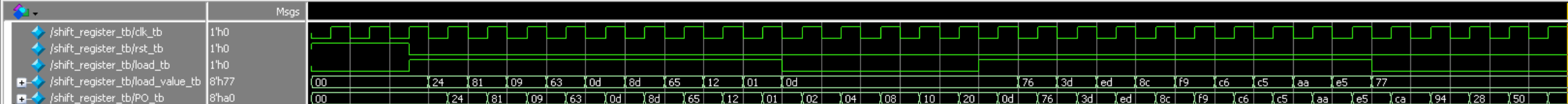
**A screenshot of a computer

AI-generated content may be incorrect.**

1. **Questasim 1**

**A blue and white line

AI-generated content may be incorrect.**

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1. **Testbench 2:**

**A screen shot of a computer program

AI-generated content may be incorrect.**

**Simulation Tool**

1. **Do file 2**

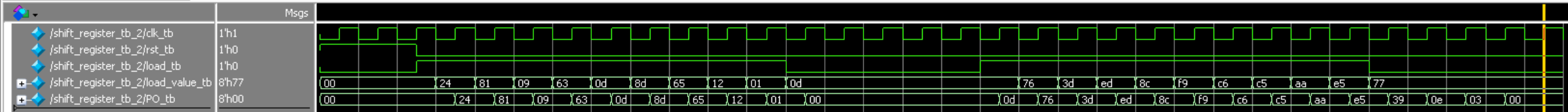
**A screenshot of a computer

AI-generated content may be incorrect.**

1. **Questasim 2**

**A white background with blue dots

AI-generated content may be incorrect.**

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