Nama : Oscar Satria U

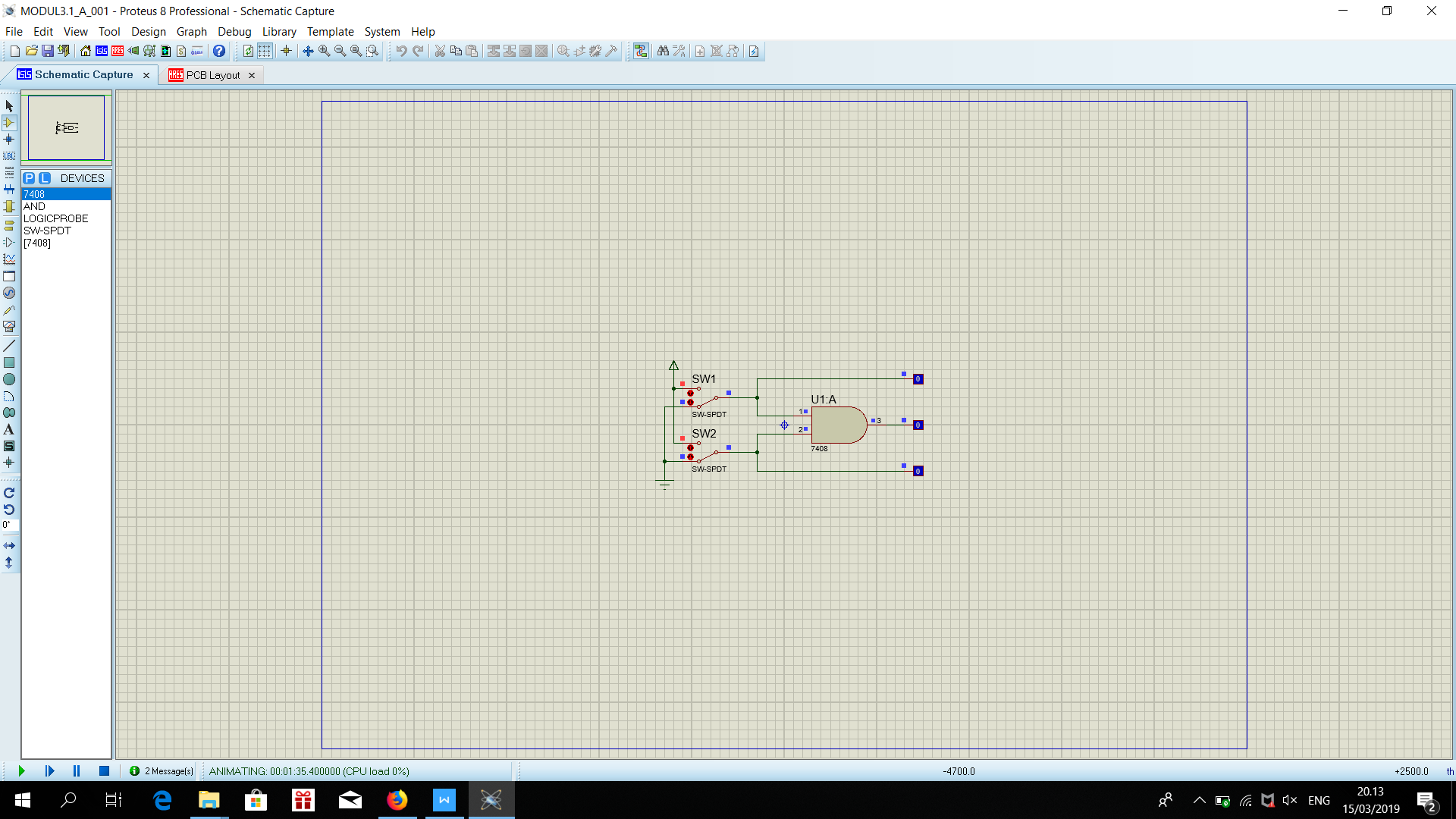
NIM : L200180001

Kelas : A

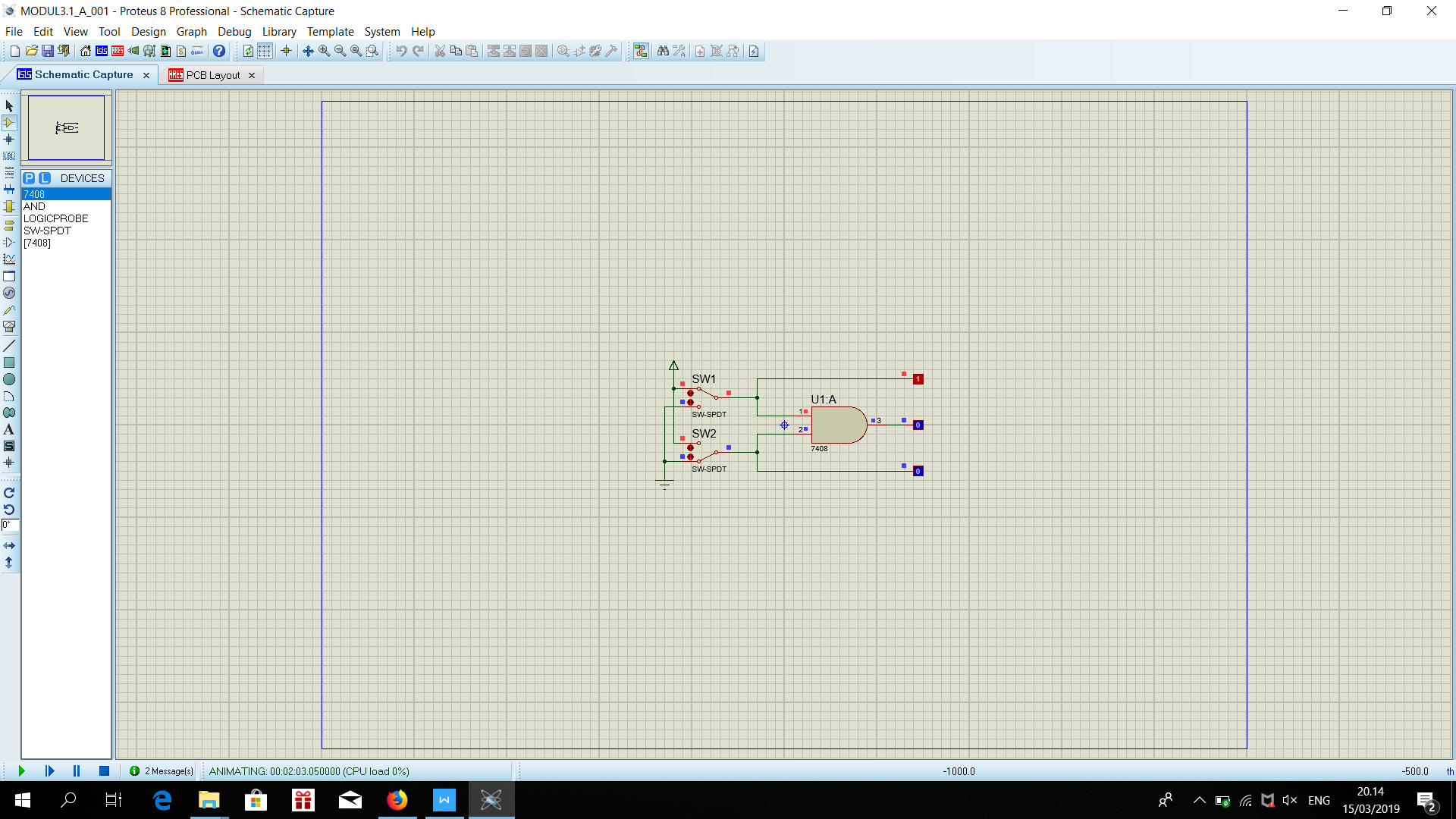
Tanggal Praktikum : 13 Maret 2019

**Percobaan 1. Gerbang AND**

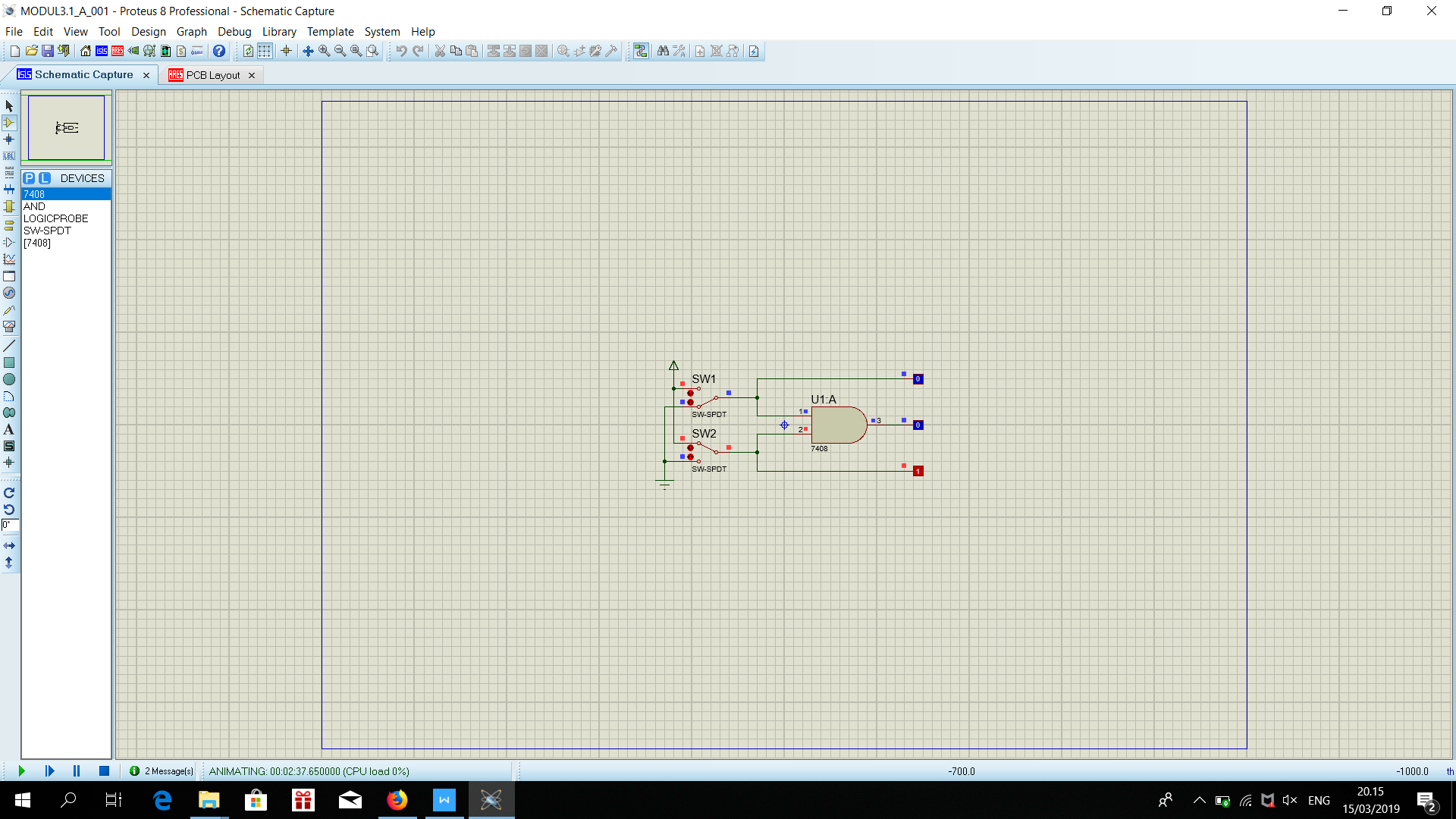
**SW 1 : 0 dan SW 2: 0**



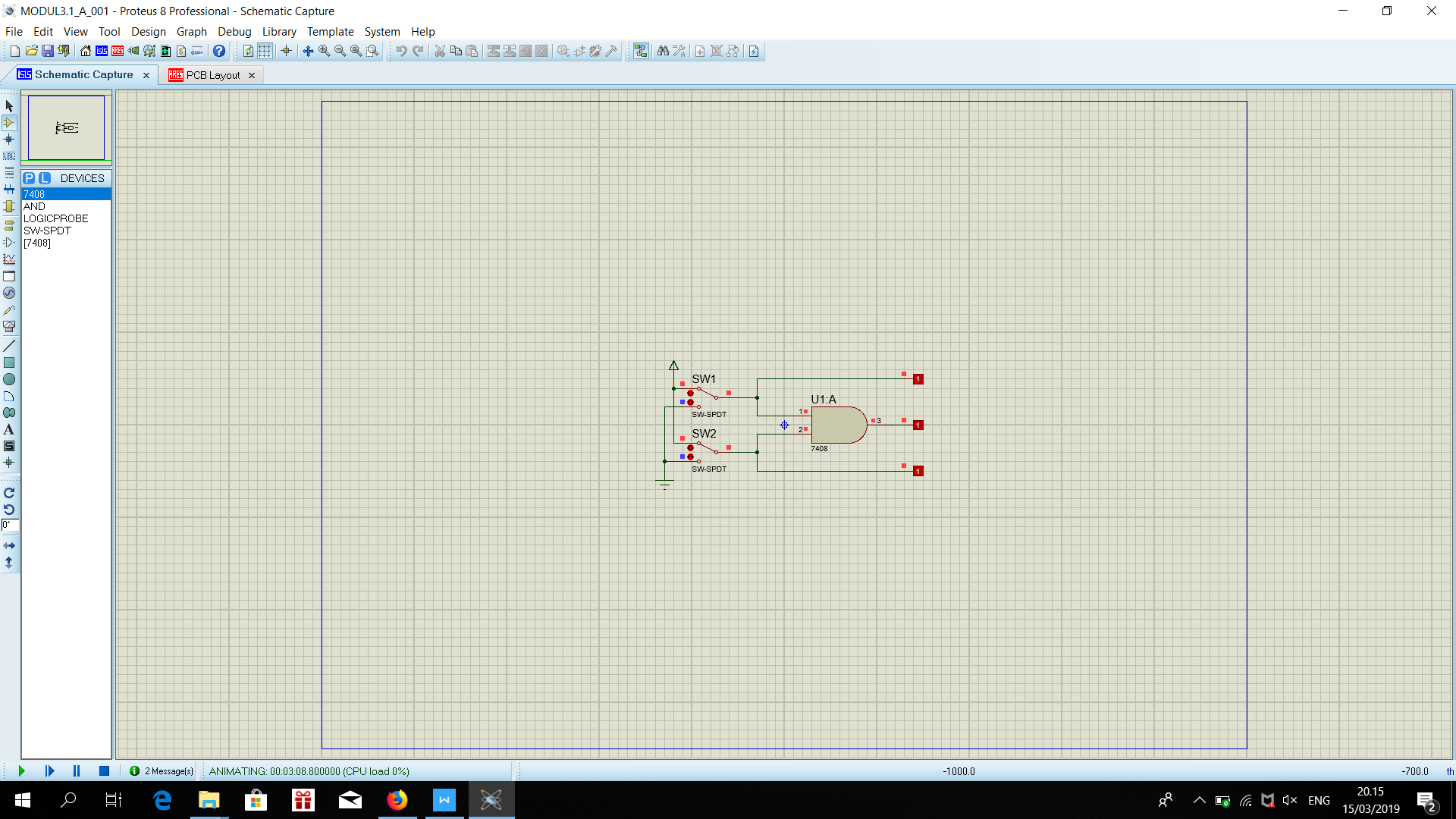
**SW 1 : 1 DAN SW 2: 0**



**SW 1 : 0 DAN SW 2 : 1**



**SW 1: 1 DAN SW2: 1**



**Tabel kebenaran**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **SW 1** | **SW 2** | **L1** | **L2** | **L3** |
| **0** | **0** | **0** | **0** | **0** |
| **1** | **0** | **1** | **0** | **0** |
| **0** | **1** | **0** | **1** | **0** |
| **1** | **1** | **1** | **1** | **1** |

**Diagram Waktu**

**L1 :**

|  |  |  |  |
| --- | --- | --- | --- |
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|  |  |  |  |
|  | |  |  |

**L2 :**

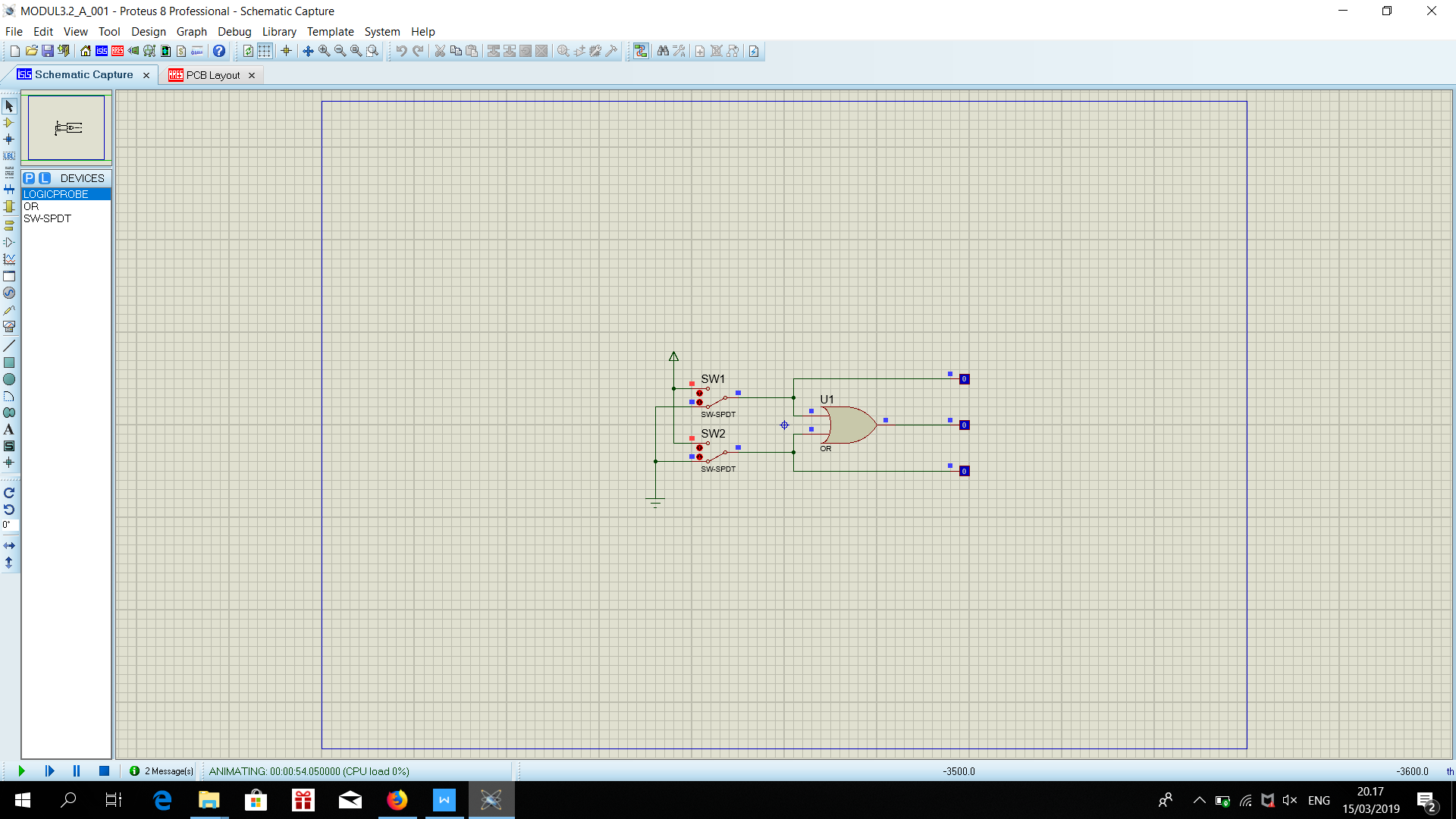
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| --- | --- | --- | --- |
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**L3 :**

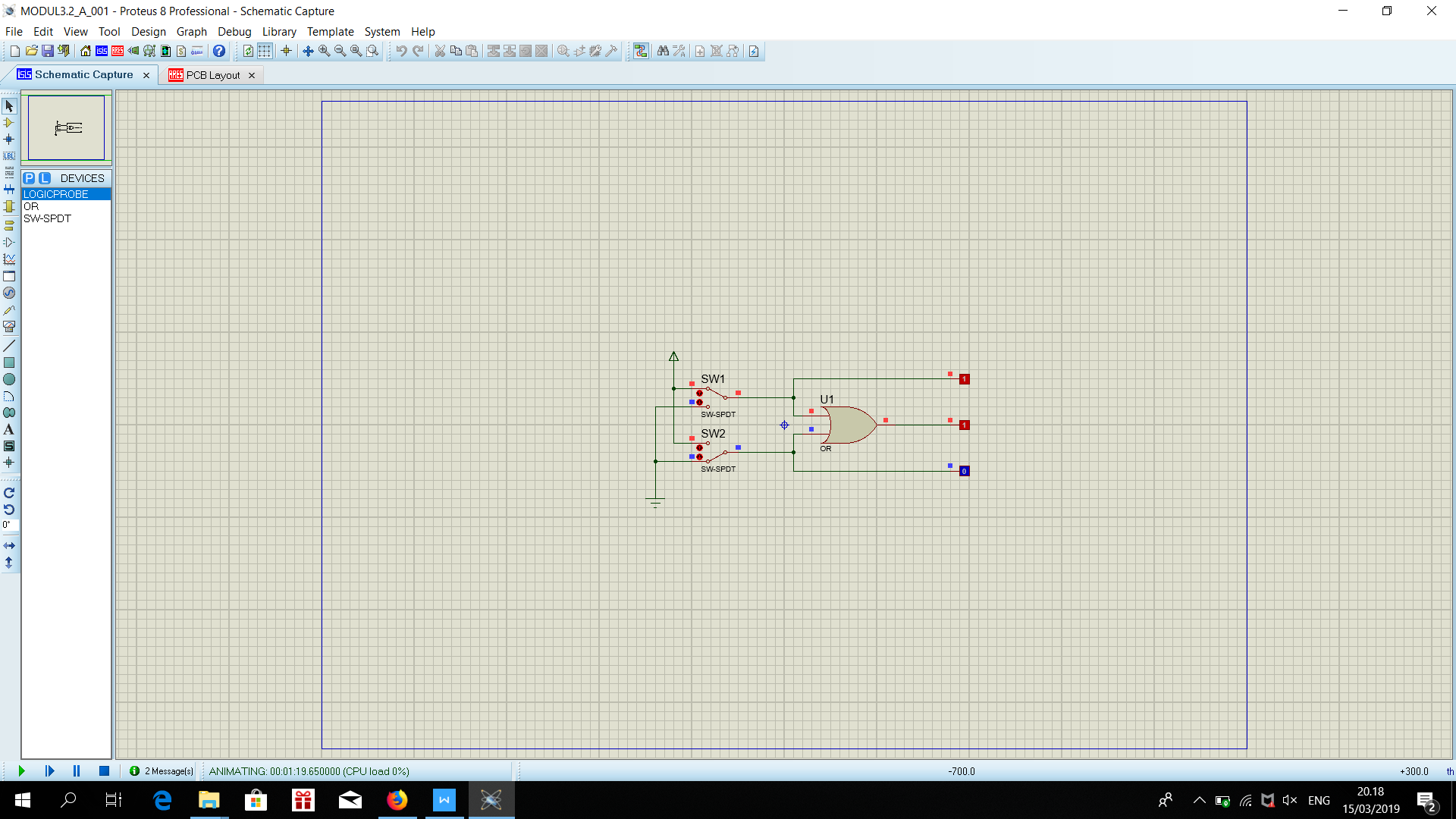
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**Percobaan 2. Gerbang OR**

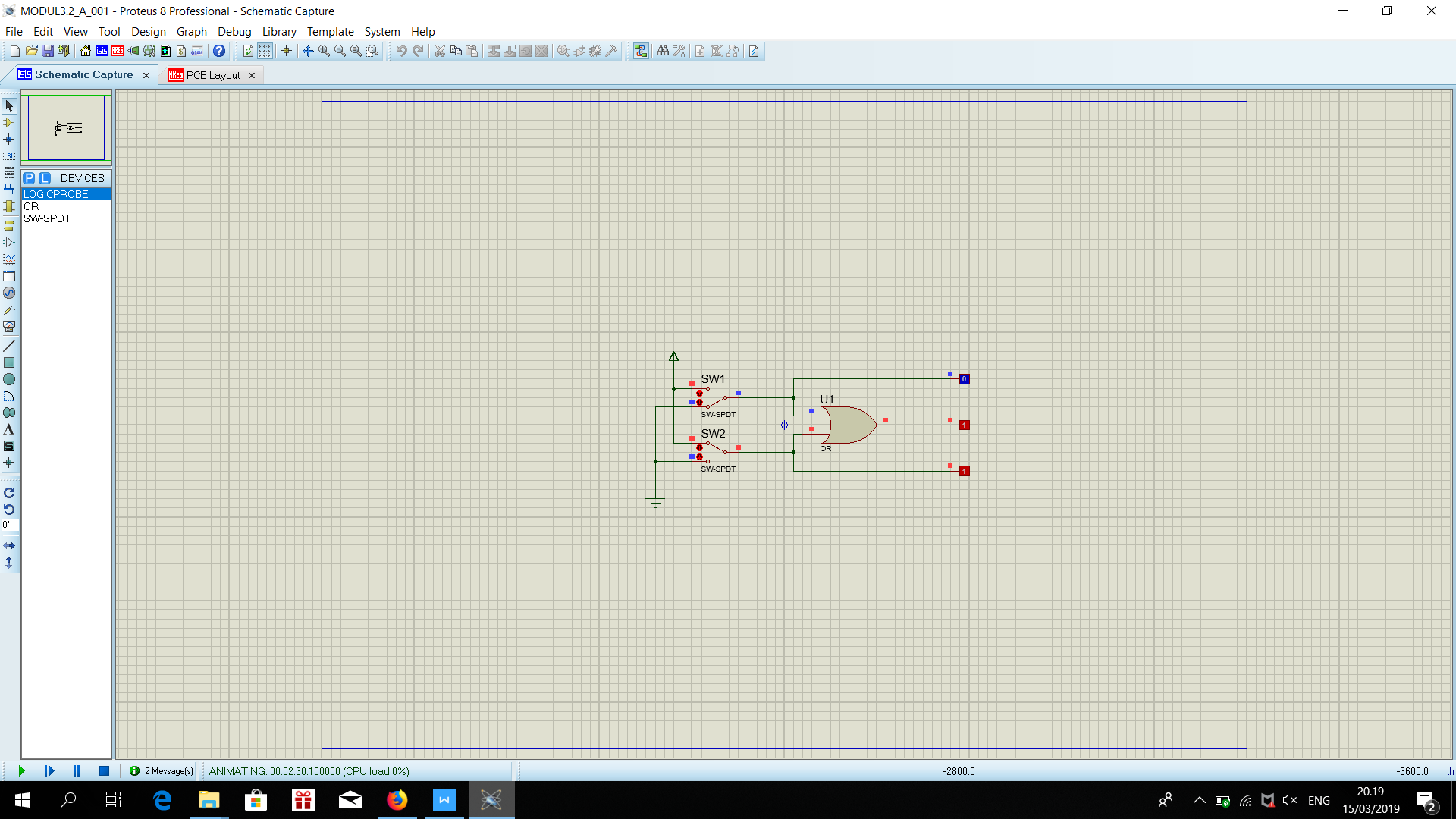
**SW 1 : 0 DAN SW 2 : 0**



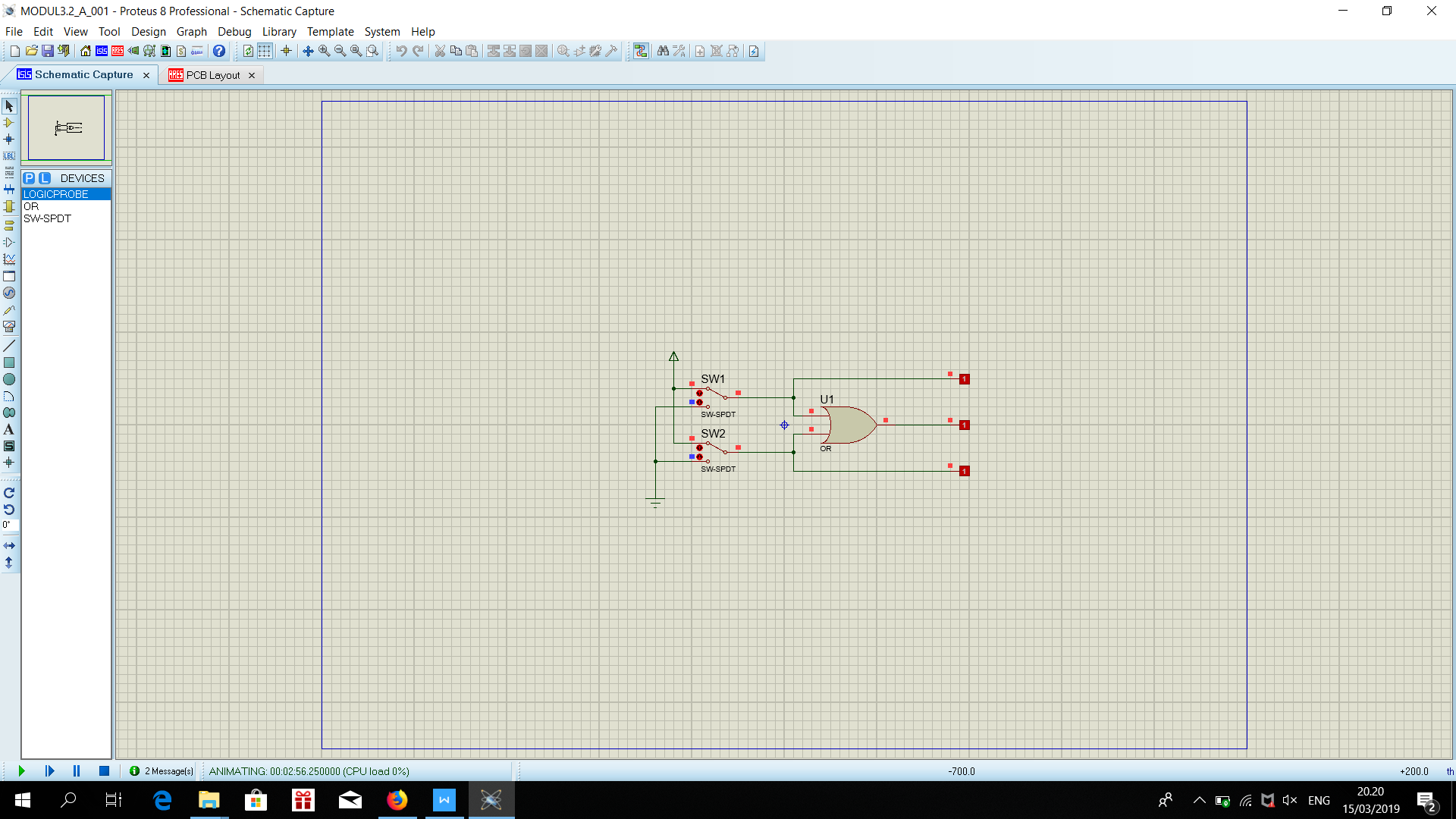
**SW1 : 1 DAN SW2 : 0**



**SW 1: 0 DAN SW2: 1**



**SW1 : 1 DAN SW2: 1**



**Tabel kebenaran :**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **SW 1** | **SW 2** | **L1** | **L2** | **L3** |
| **0** | **0** | **0** | **0** | **0** |
| **1** | **0** | **1** | **0** | **1** |
| **0** | **1** | **0** | **1** | **1** |
| **1** | **1** | **1** | **1** | **1** |

**Diagram Waktu**

**L1 :**

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

**L2 :**

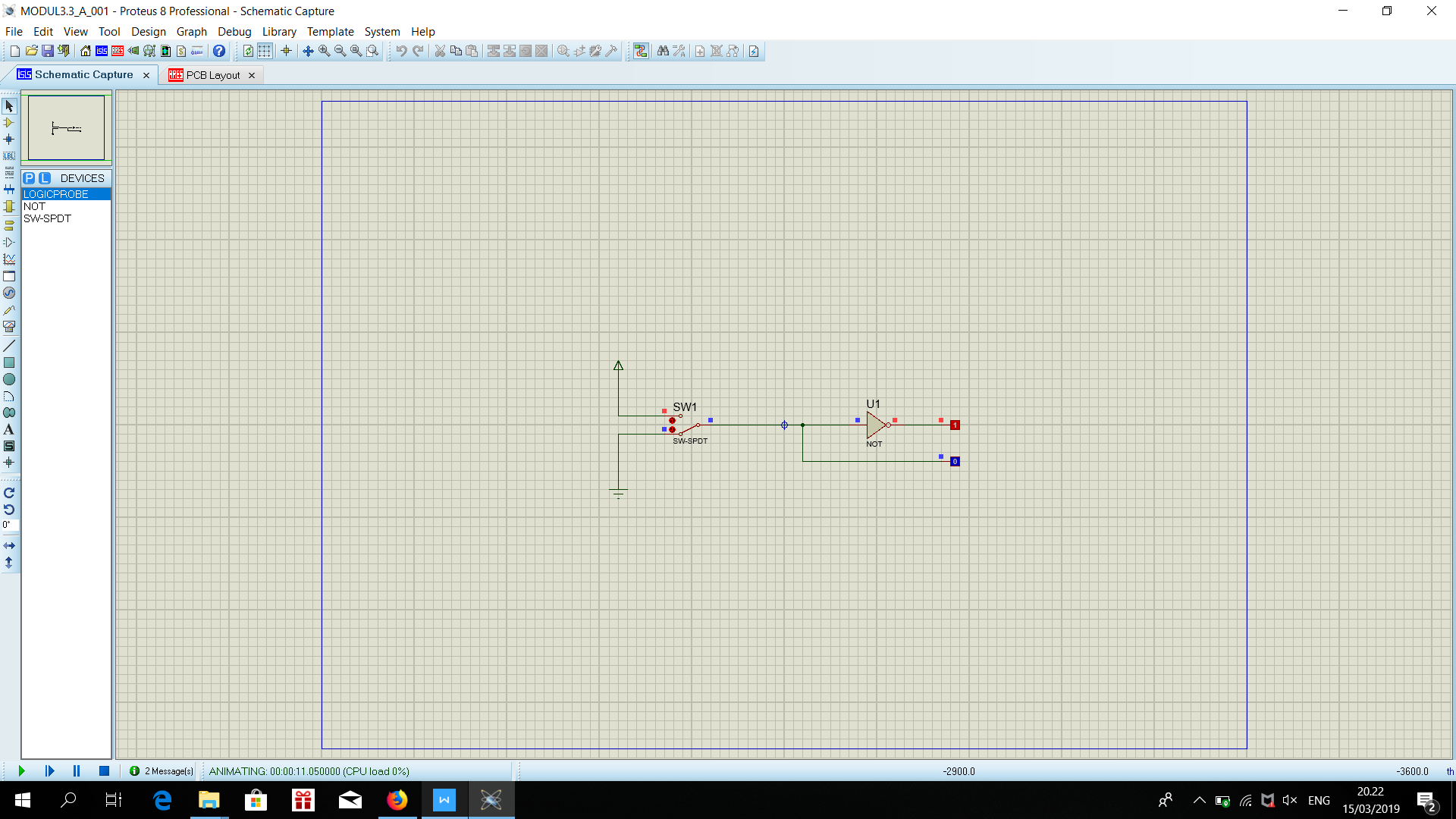
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| --- | --- | --- | --- |
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**L3 :**

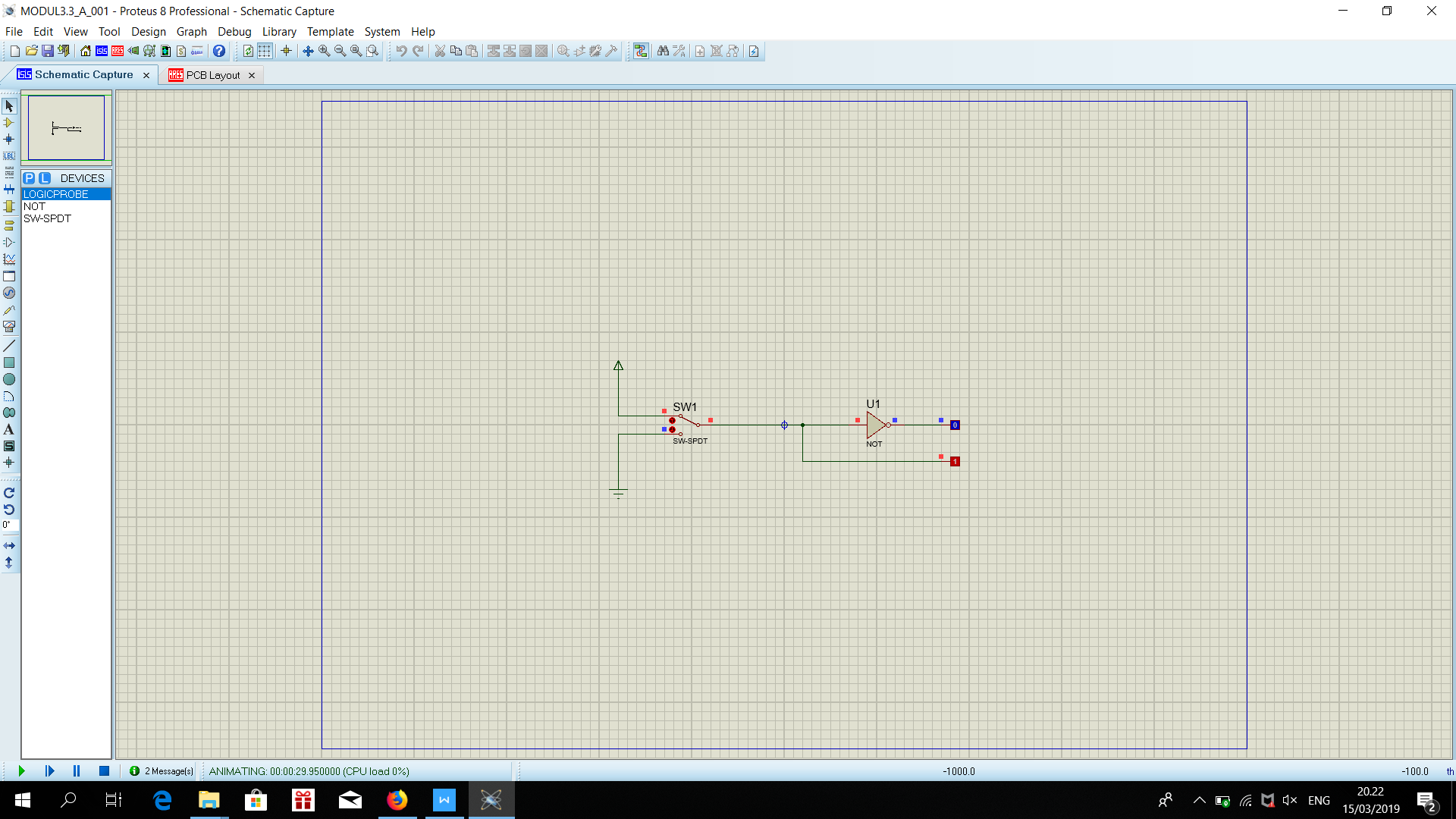
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**Percobaan 3. Gerbang NOT**

**SW 1 : 0 DAN SW 2 : 0**



**SW 1 : 1 DAN SW 2: 0**



**Tabel Kebenaran**

|  |  |  |
| --- | --- | --- |
| **SW 1** | **L2** | **L1** |
| **0** | **0** | **1** |
| **1** | **1** | **0** |

**Diagram Waktu**

**L2 :**

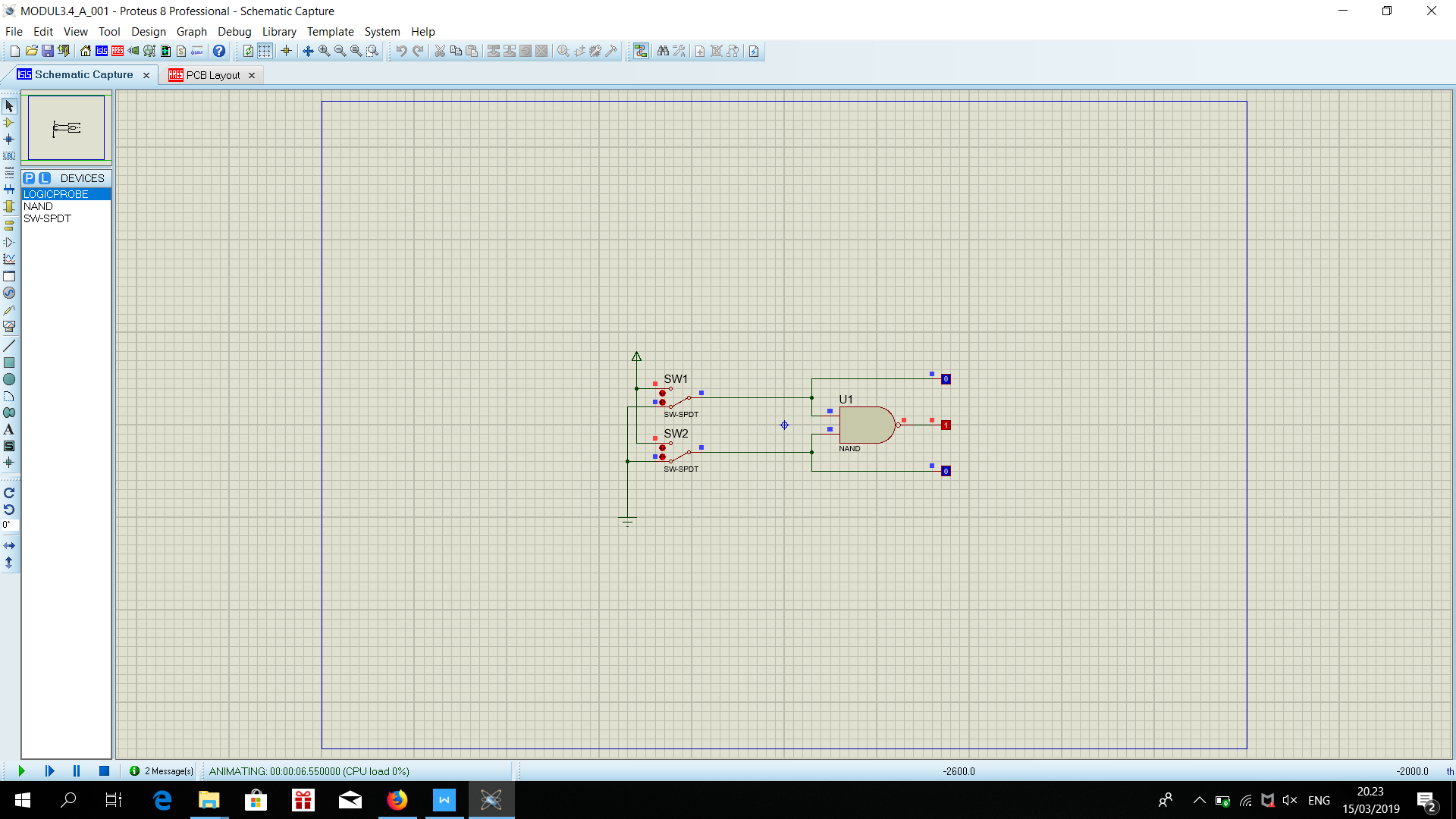
|  |  |
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**L1 :**

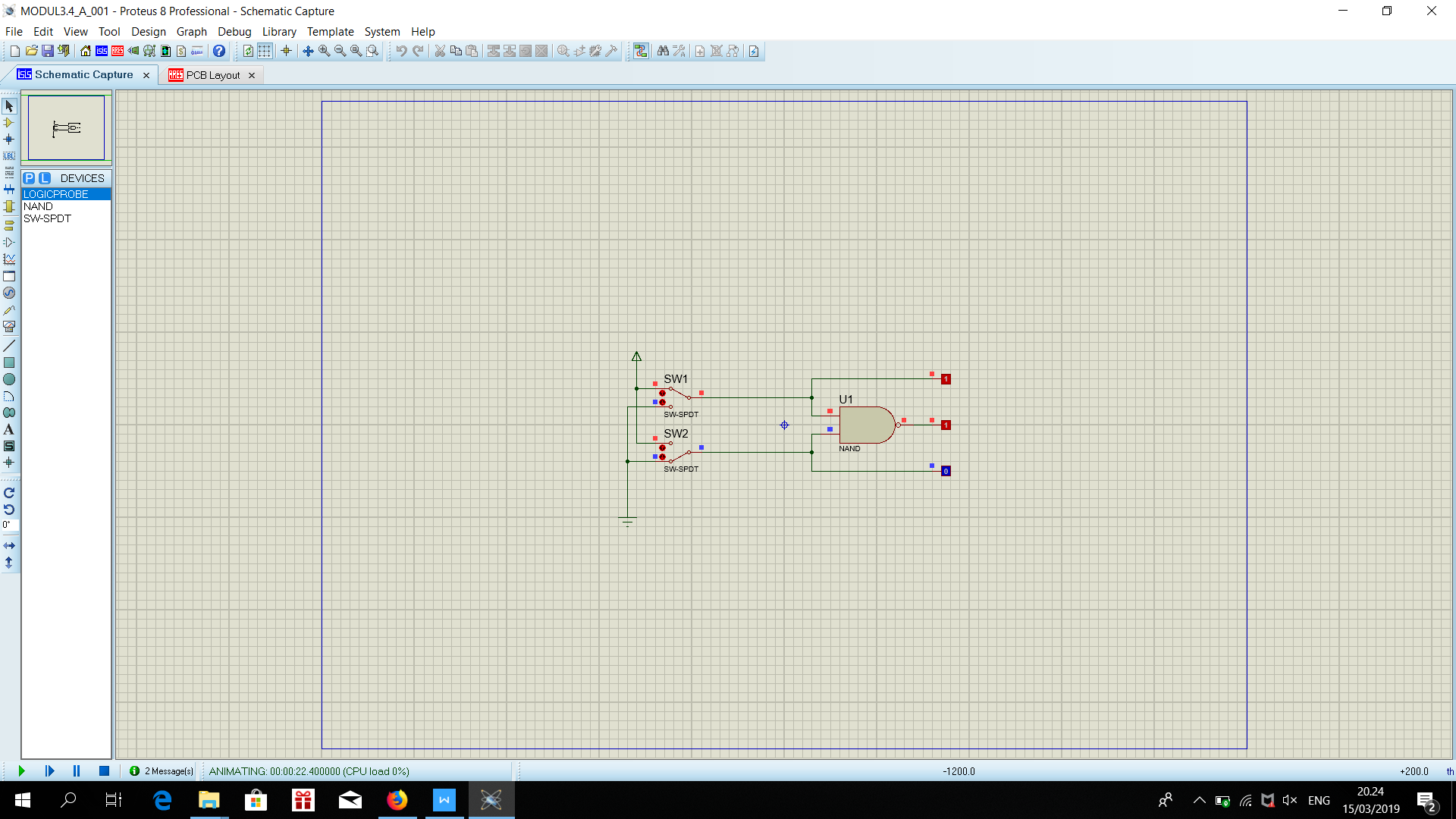
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**Percobaan 4. Gerbang NAND**

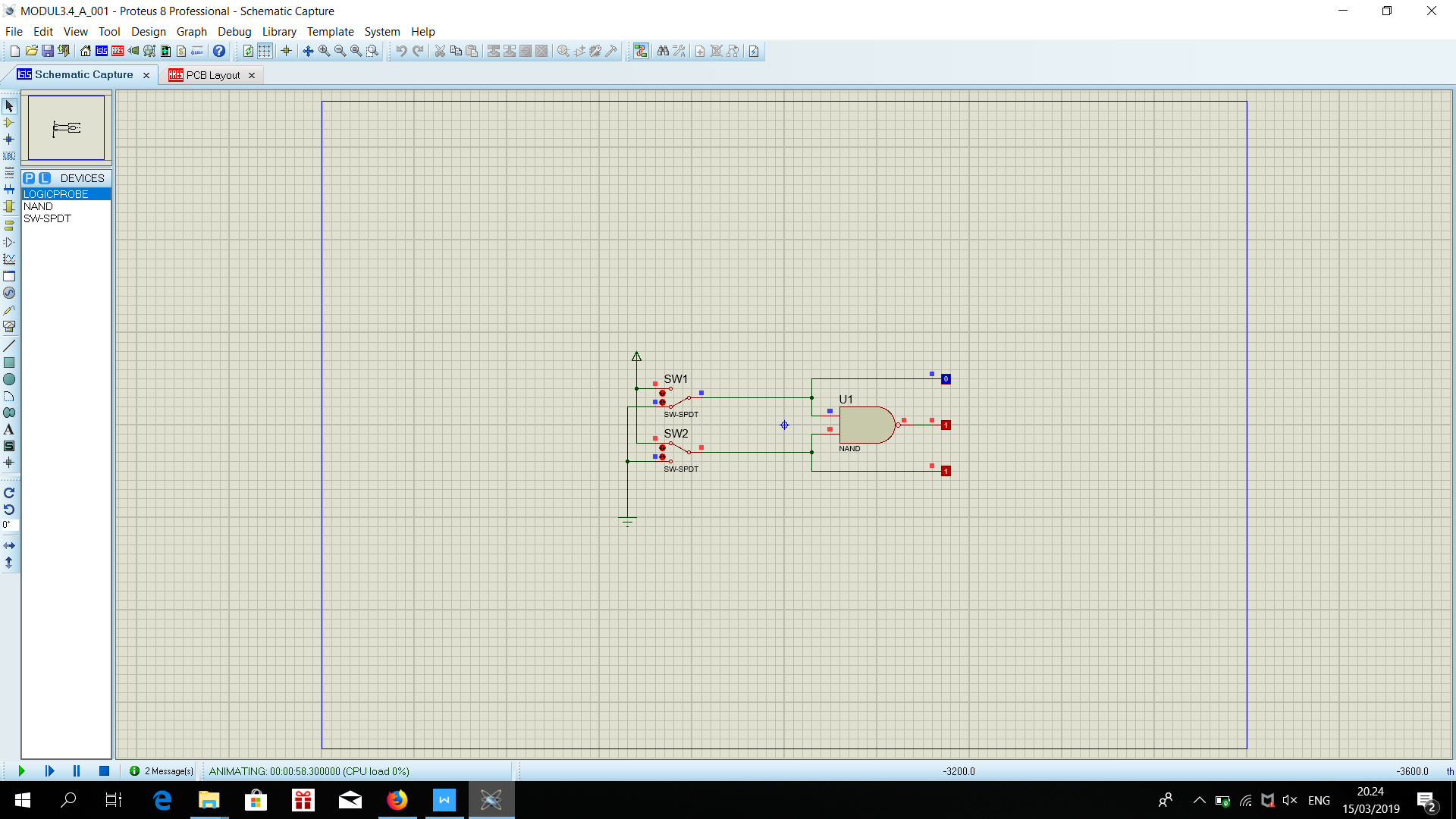
**SW 1: 0 DAN SW 2: 0**



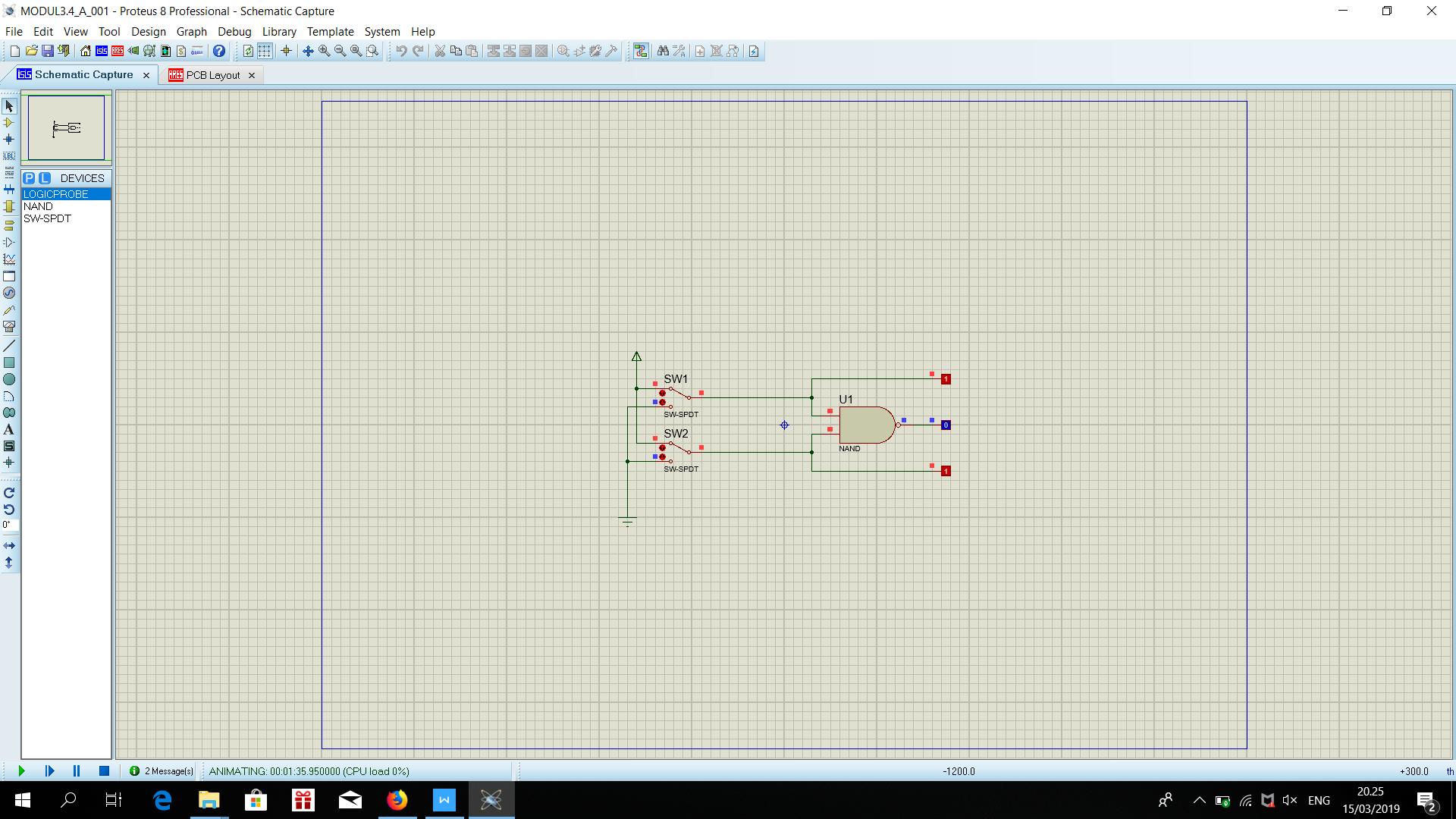
**SW 1: 1 DAN SW 2:0**



**SW 1: 0 DAN SW 2: 1**



**SW 1: 1 DAN SW 2: 1**



**Tabel Kebenaran**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **SW 1** | **SW 2** | **L1** | **L2** | **L3** |
| **0** | **0** | **0** | **0** | **1** |
| **1** | **0** | **1** | **0** | **1** |
| **0** | **1** | **0** | **1** | **1** |
| **1** | **1** | **1** | **1** | **0** |

**Diagram Waktu**

**L1 :**

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

**L2 :**

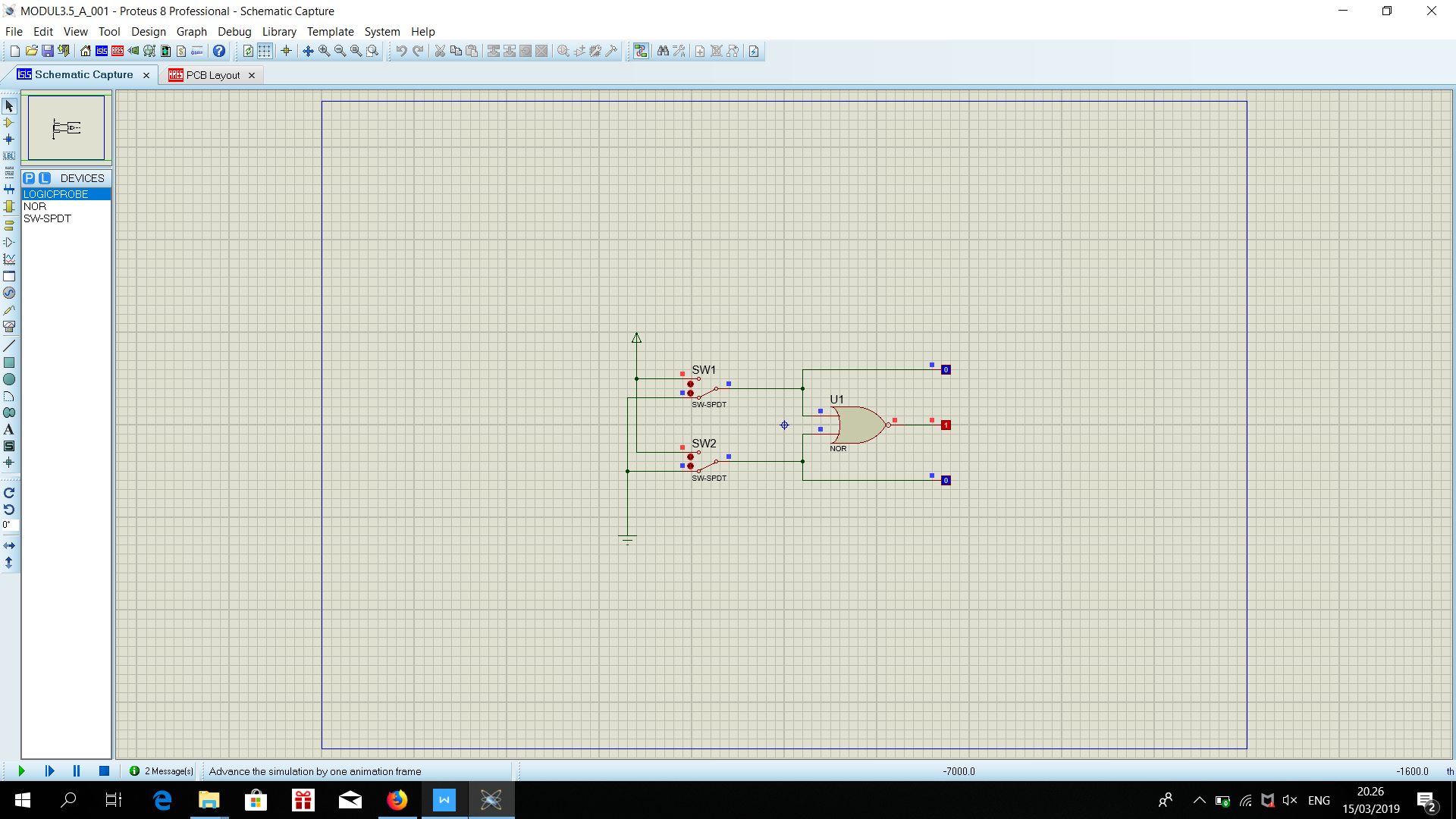
|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |
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|  |  |  |  |

**L3 :**

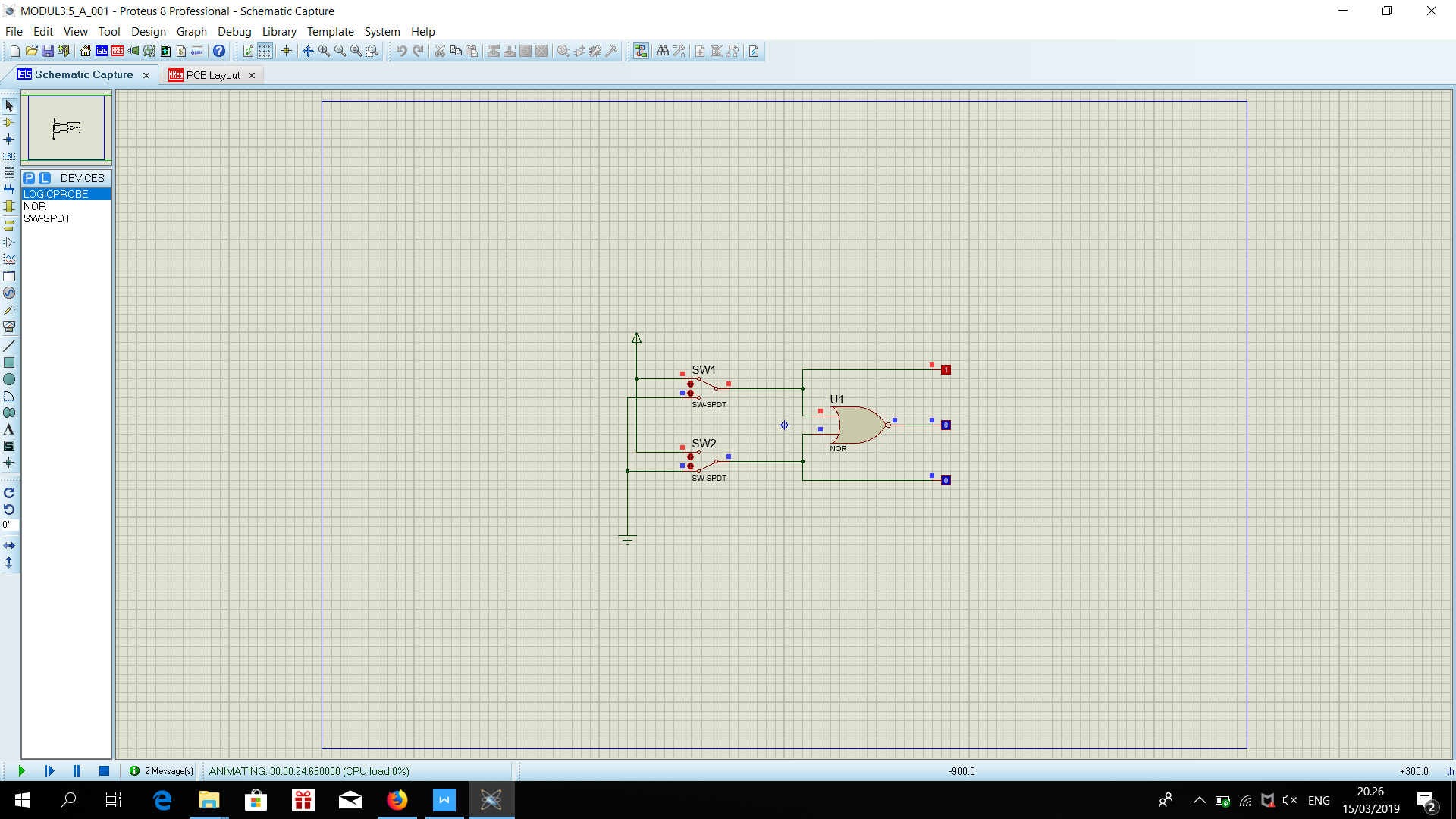
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**Percobaan 5. Gerbang NOR**

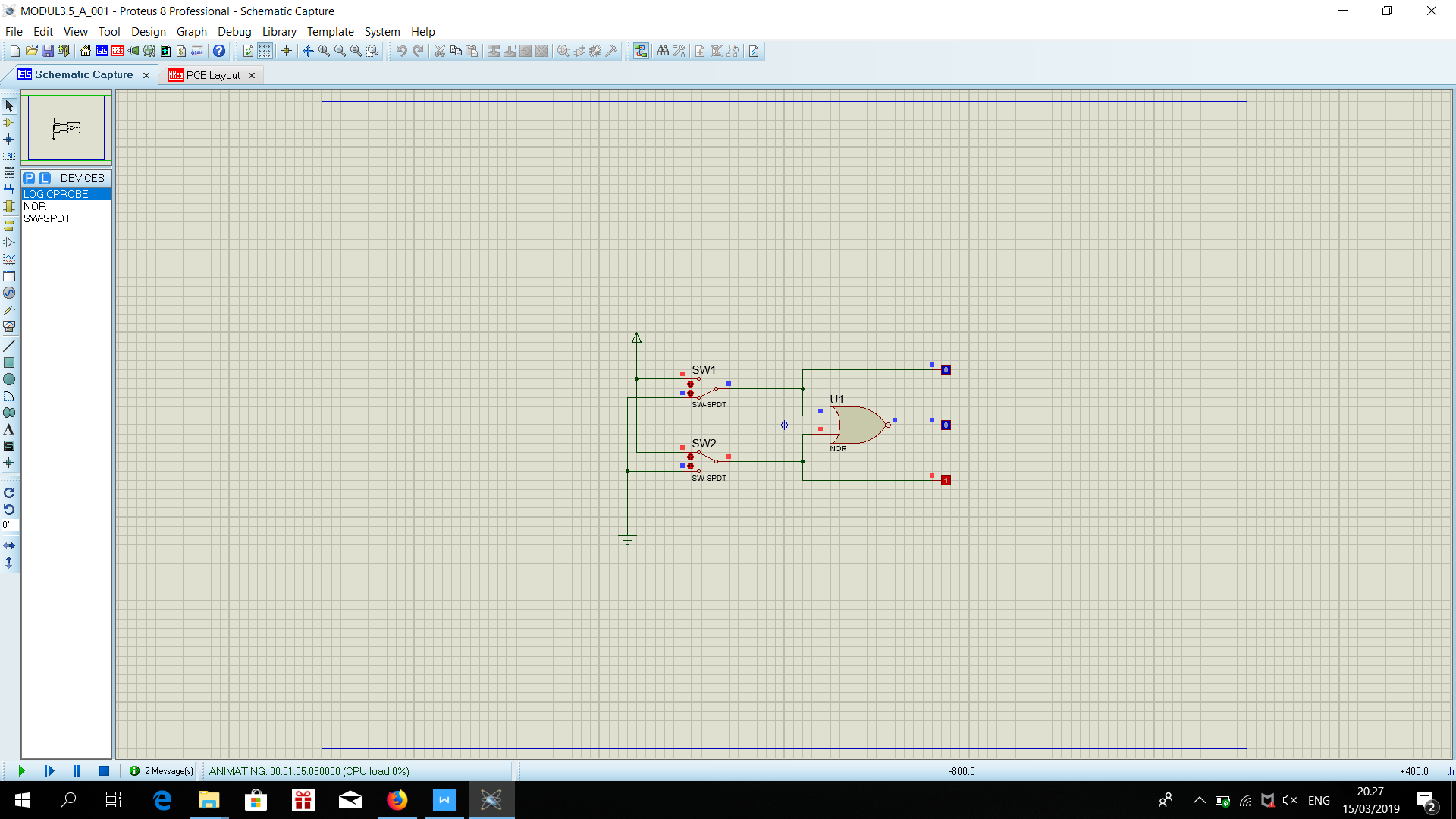
**SW 1: 0 DAN SW 2: 0**



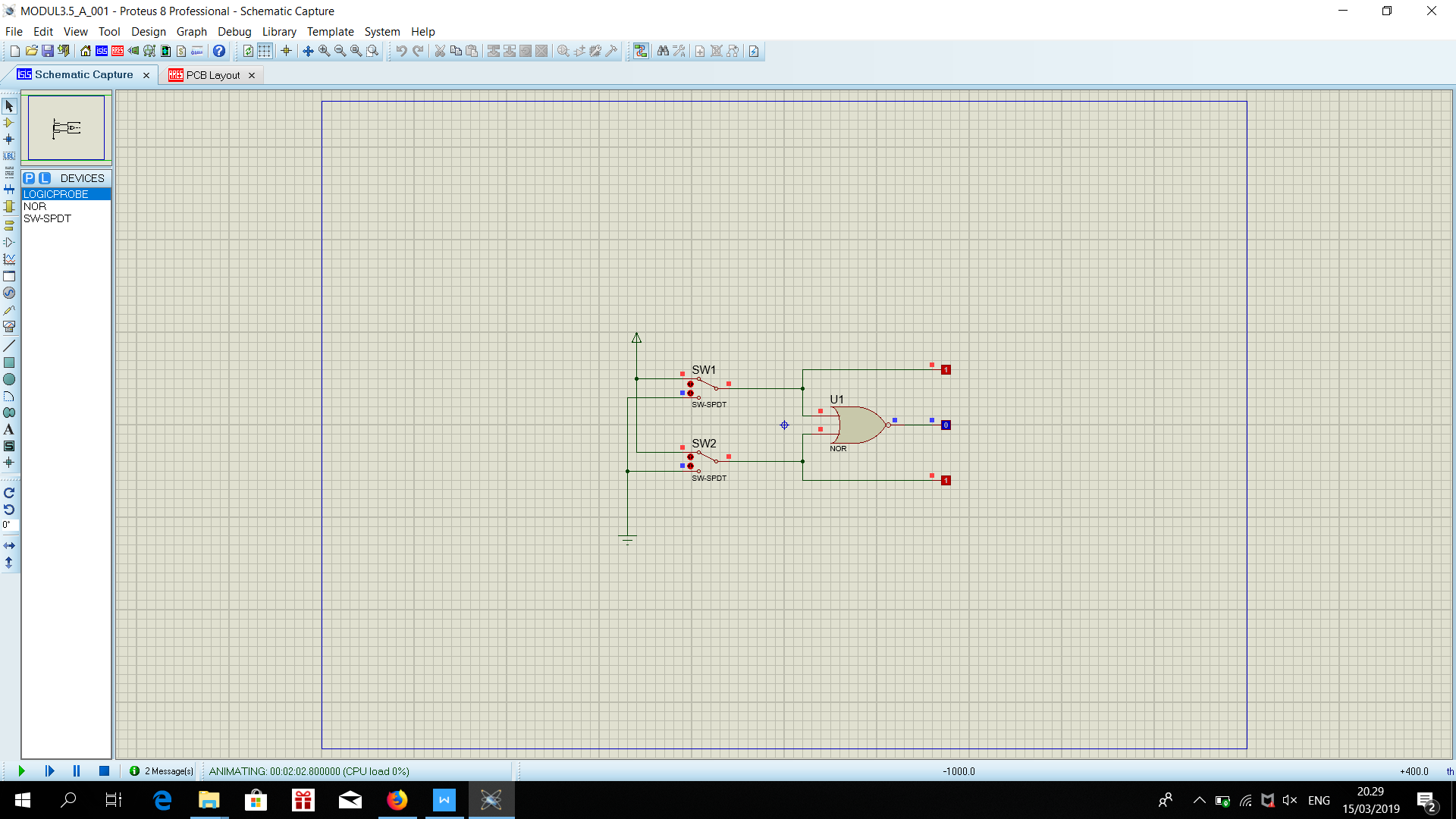
**SW 1: 1 DAN SW2 : 0**



**SW 1: 0 DAN SW 2: 1**



**SW 1: 1 DAN SW 2: 1**



**Tabel Kebenaran**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **SW 1** | **SW 2** | **L1** | **L2** | **L3** |
| **0** | **0** | **0** | **0** | **1** |
| **1** | **0** | **1** | **0** | **0** |
| **0** | **1** | **0** | **1** | **0** |
| **1** | **1** | **1** | **1** | **0** |

**Diagram Waktu**

**L1 :**

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

**L2 :**

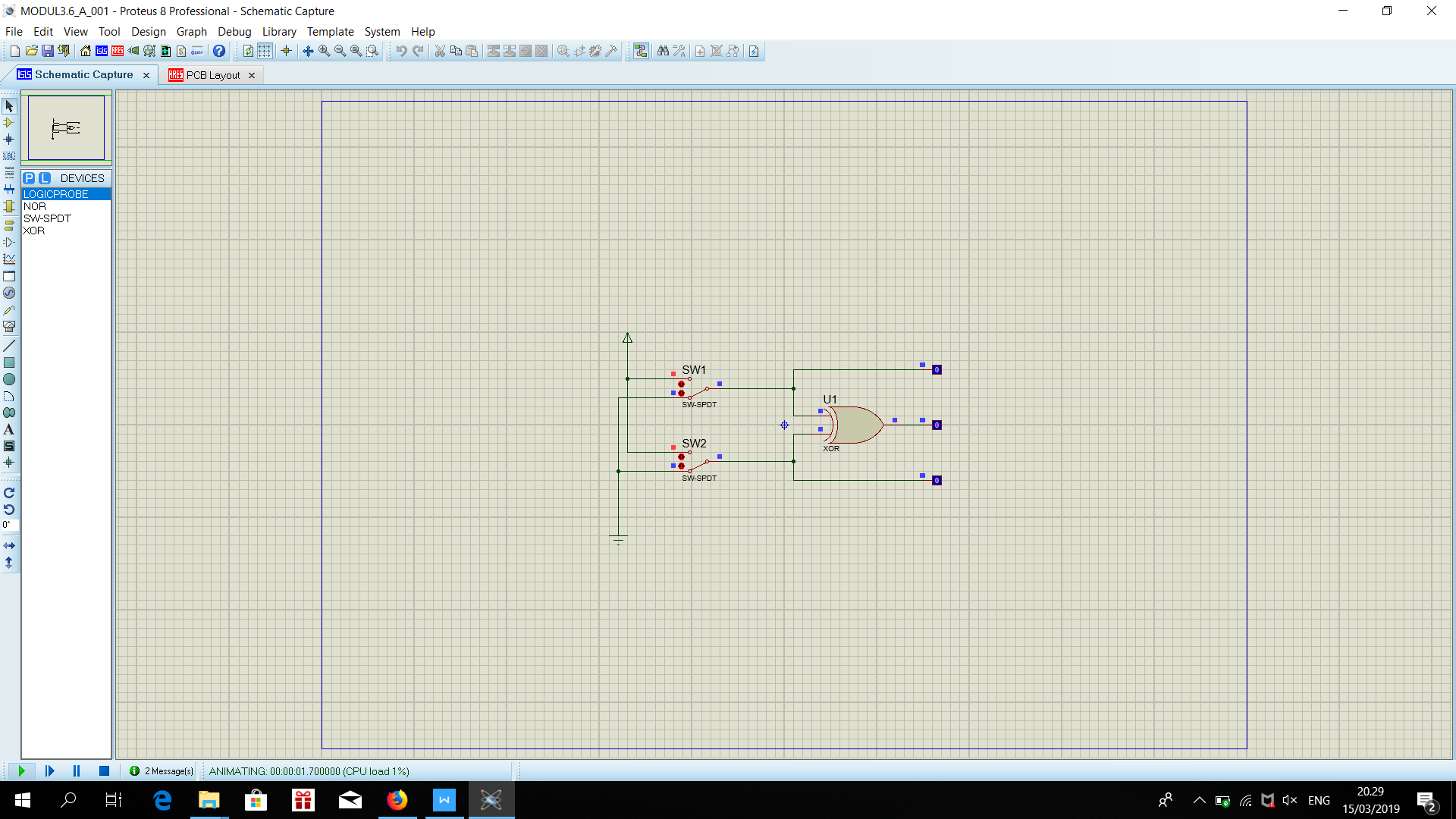
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| --- | --- | --- | --- |
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**L3 :**

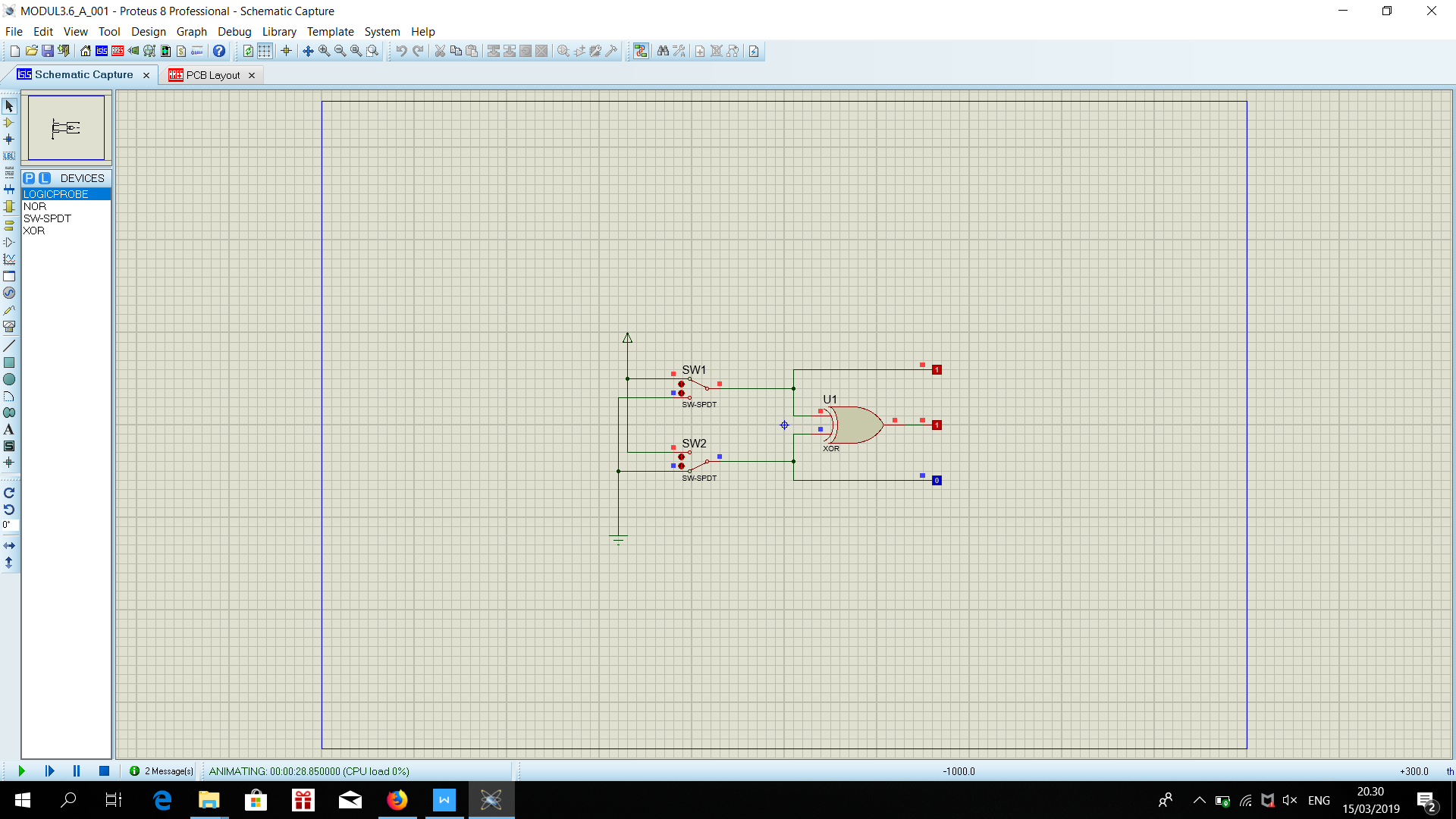
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**Percobaan 6. Gerbang XOR**

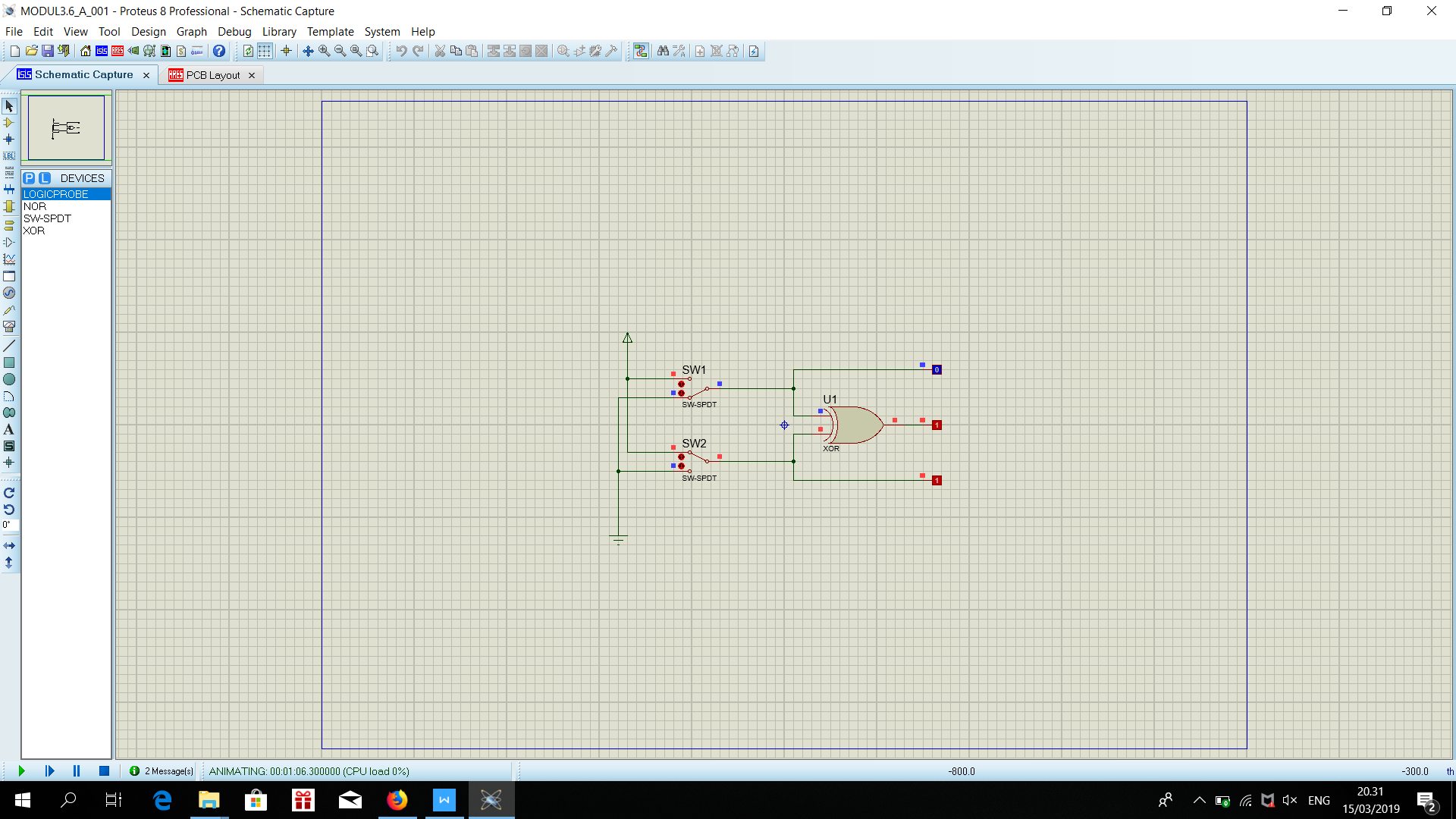
**SW 1: 0 DAN SW 2: 0**



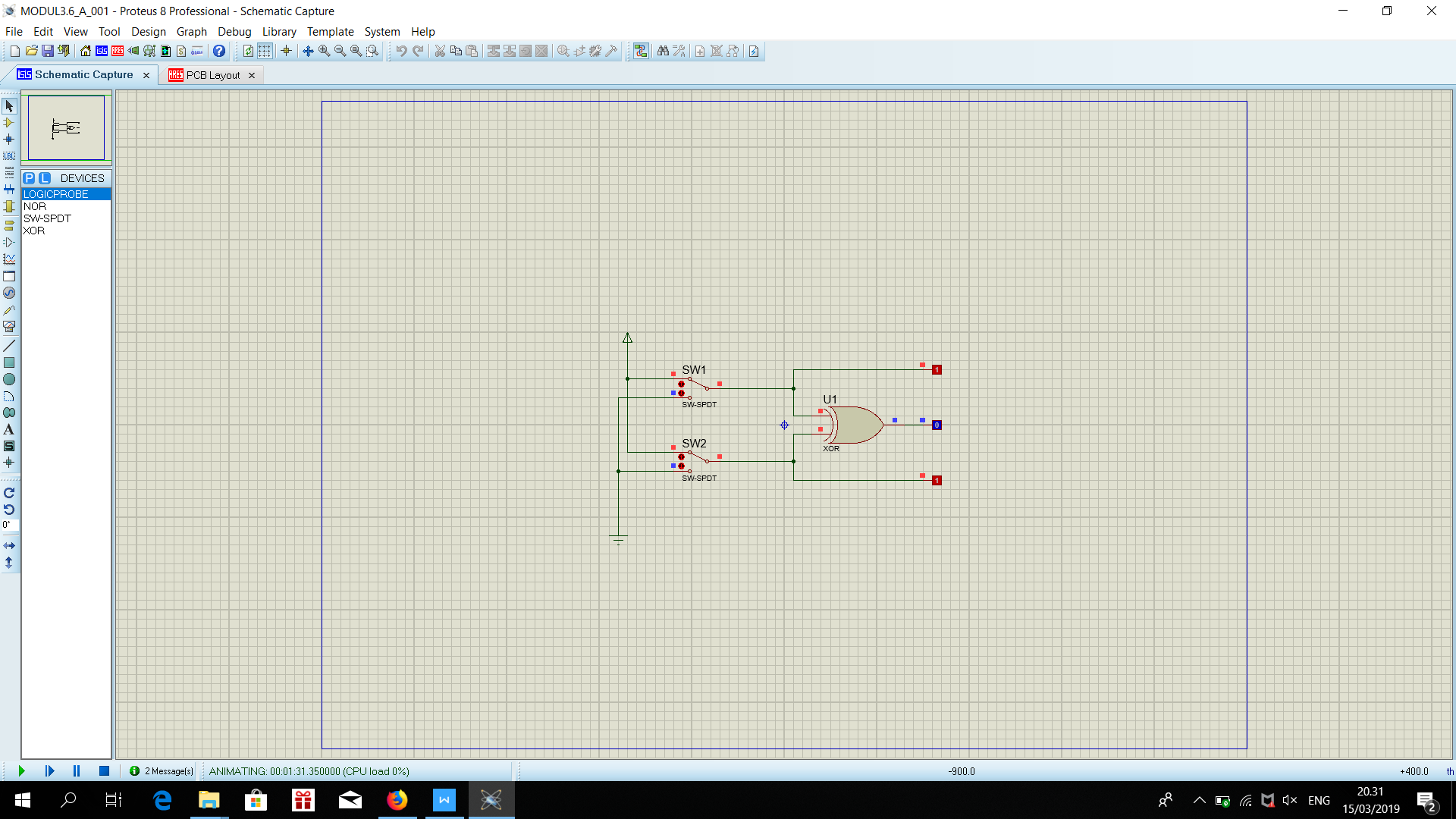
**SW 1 : 1 DAN SW 2: 0**



**SW 1: 0 DAN SW 2: 1**



**SW 1 : 1 DAN SW 2: 1**



**Tabel Kebenaran**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **SW 1** | **SW 2** | **L1** | **L2** | **L3** |
| **0** | **0** | **0** | **0** | **0** |
| **1** | **0** | **1** | **0** | **1** |
| **0** | **1** | **0** | **1** | **1** |
| **1** | **1** | **1** | **1** | **0** |

**Diagram Waktu**

**L1 :**

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

**L2 :**

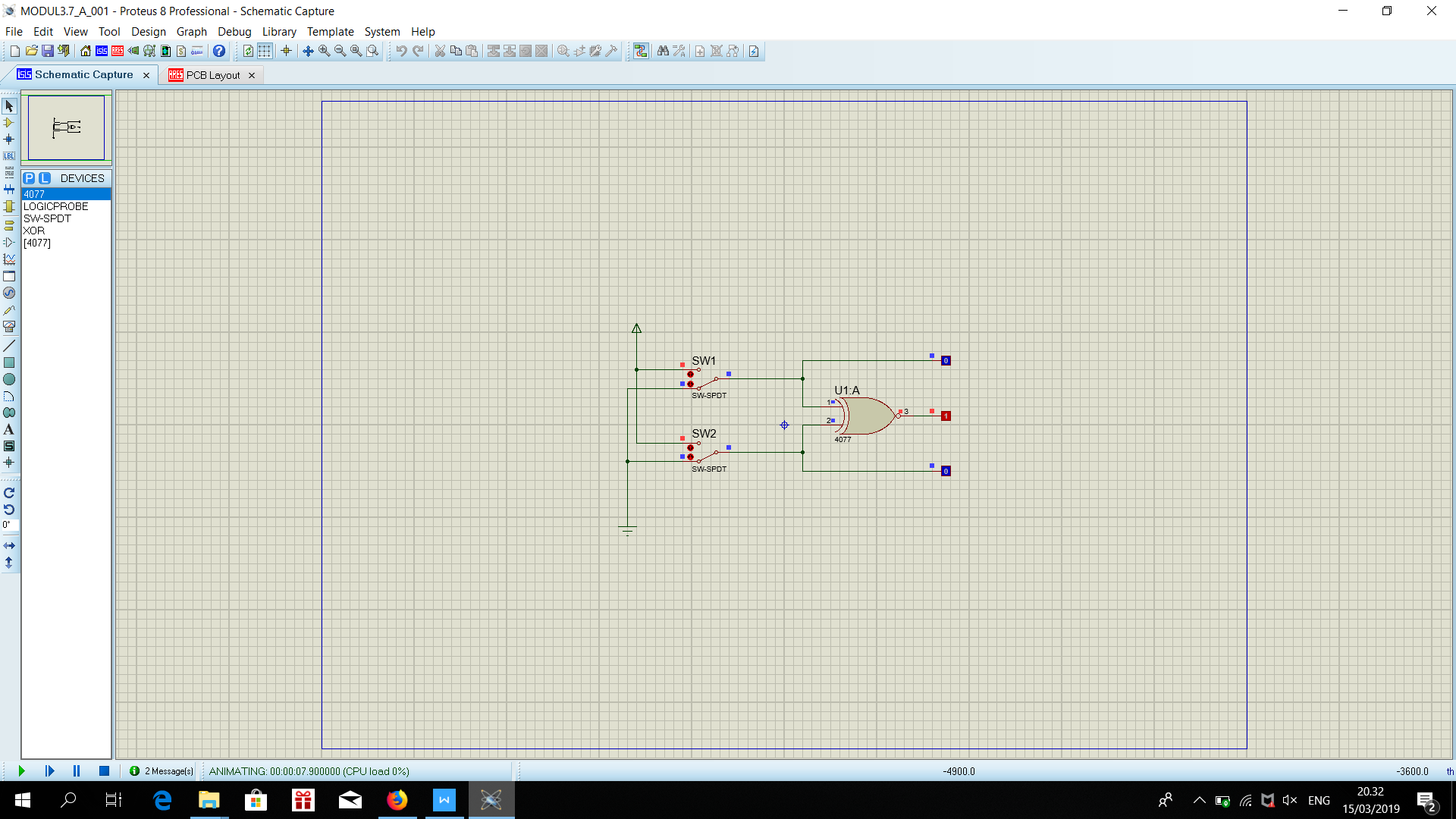
|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

**L3 :**

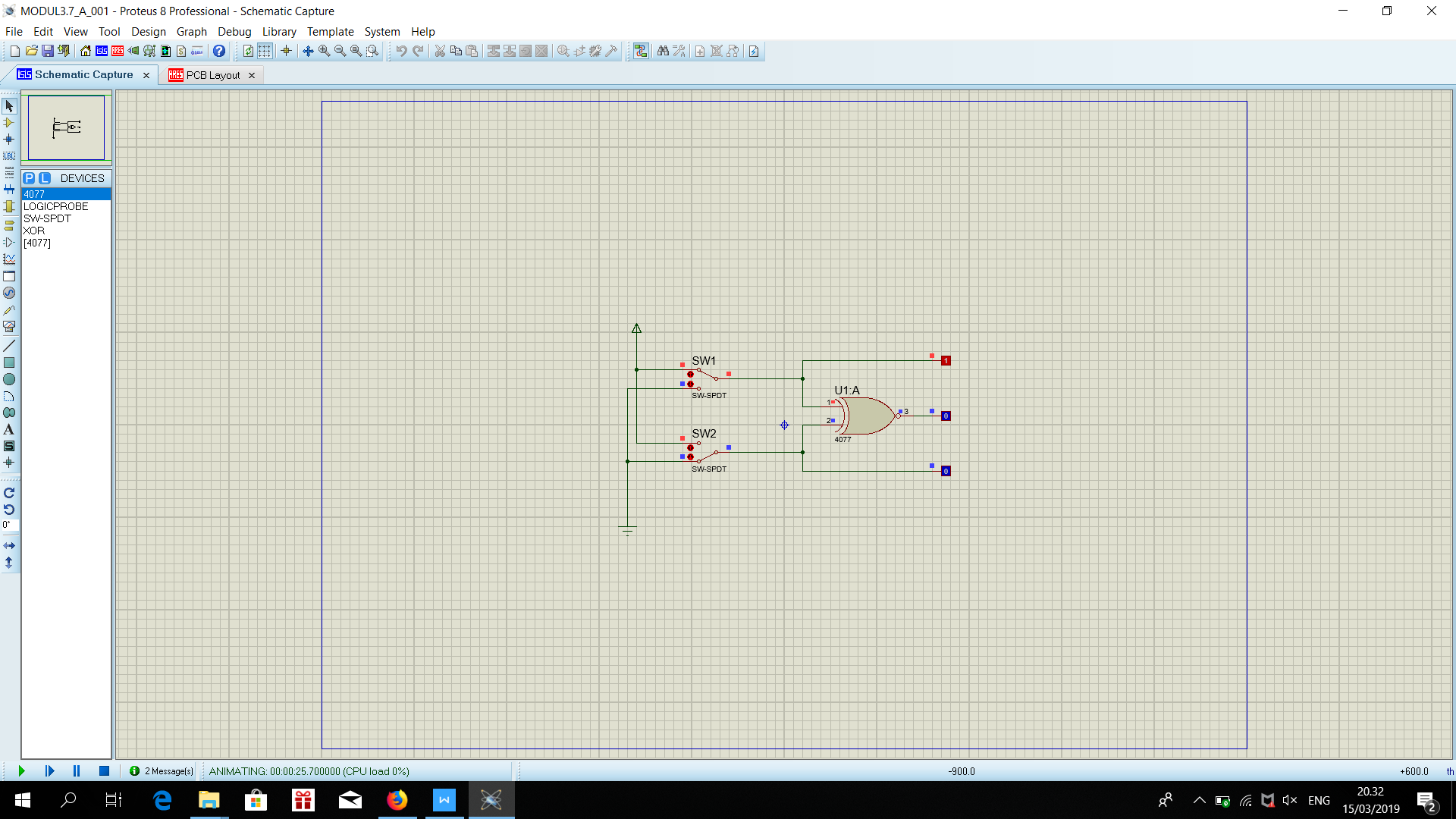
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**Percobaan 7. Gerbang XNOR**

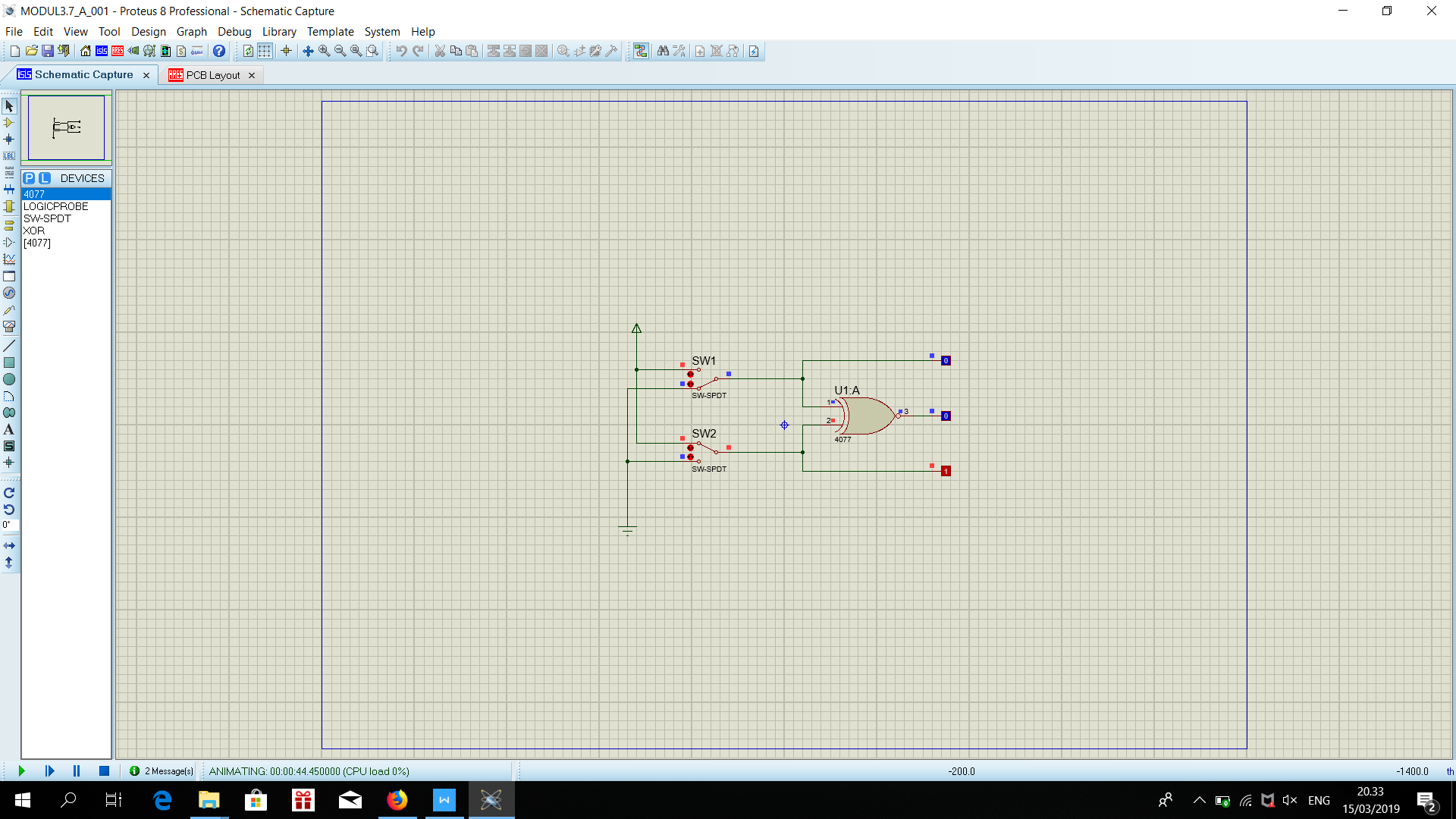
**SW 1 : 0 DAN SW 2: 0**



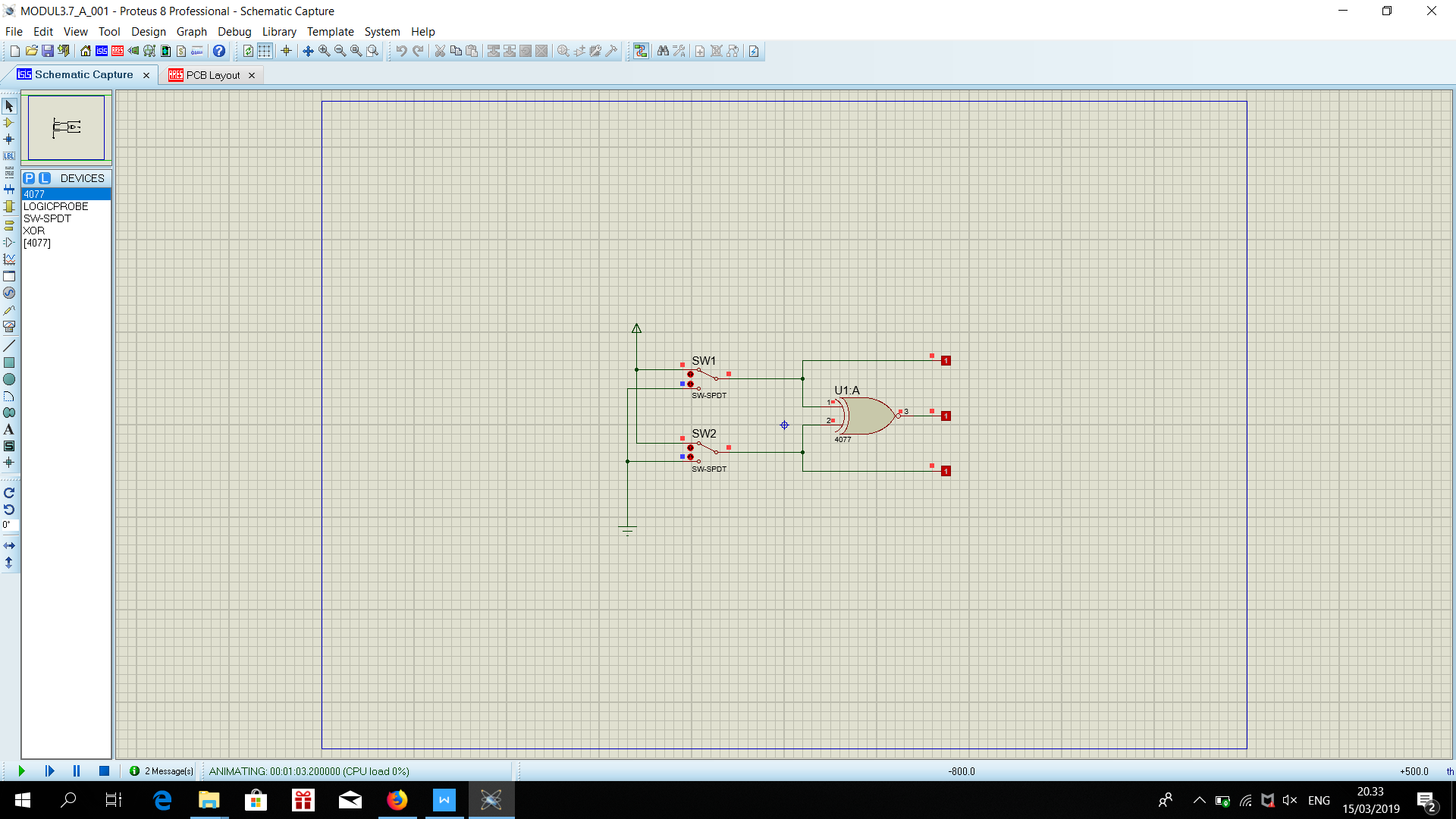
**SW 1 : 1 DAN SW 2: 0**



**SW 1 : 0 DAN SW 2: 1**



**SW 1 : 1 DAN SW 2: 1**



**Tabel Kebenaran**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **SW 1** | **SW 2** | **L1** | **L2** | **L3** |
| **0** | **0** | **0** | **0** | **1** |
| **1** | **0** | **1** | **0** | **0** |
| **0** | **1** | **0** | **1** | **0** |
| **1** | **1** | **1** | **1** | **1** |

**Diagram Waktu**

**L1 :**

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

**L2 :**

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

**L3 :**

|  |  |  |  |
| --- | --- | --- | --- |
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|  |  |  |  |
|  |  |  |  |