

Sri Lanka Institute of Information Technology



Lab Submission
<Worksheet No.4>

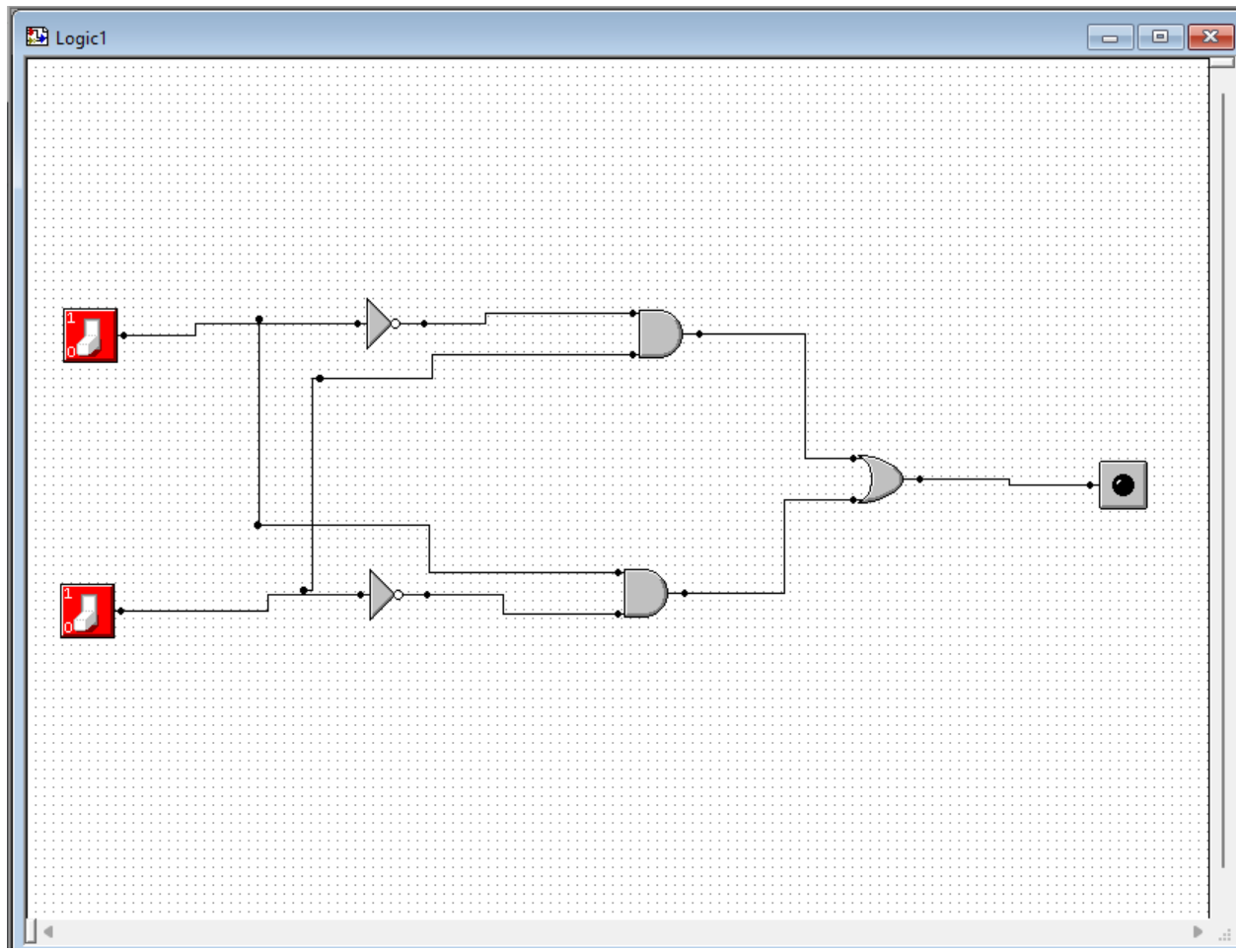
<IT247102555>

<Weerathunga B.A>

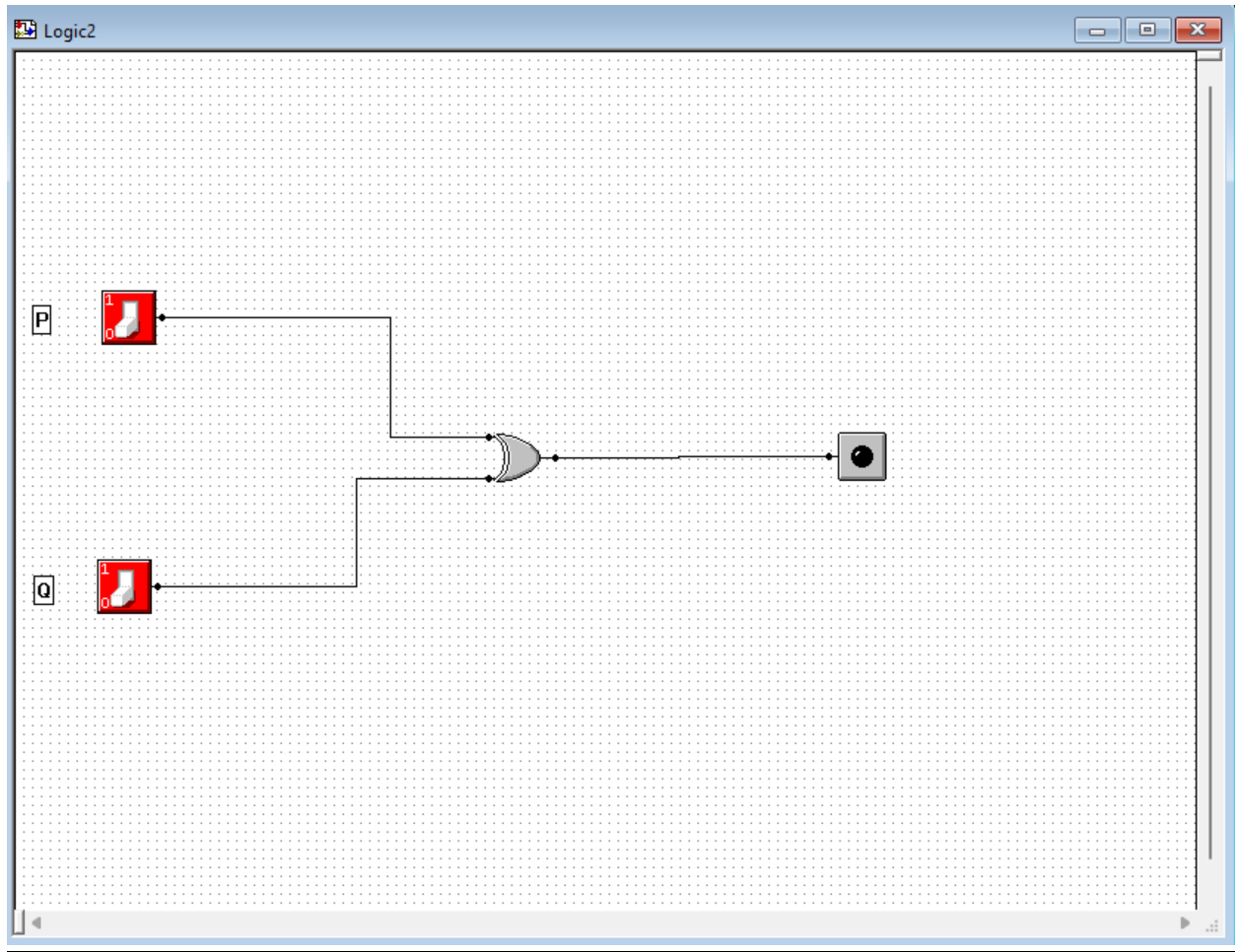
Fundamentals of Computing | IT1140

B.Sc. (Hons) in Information Technology

Activity 01



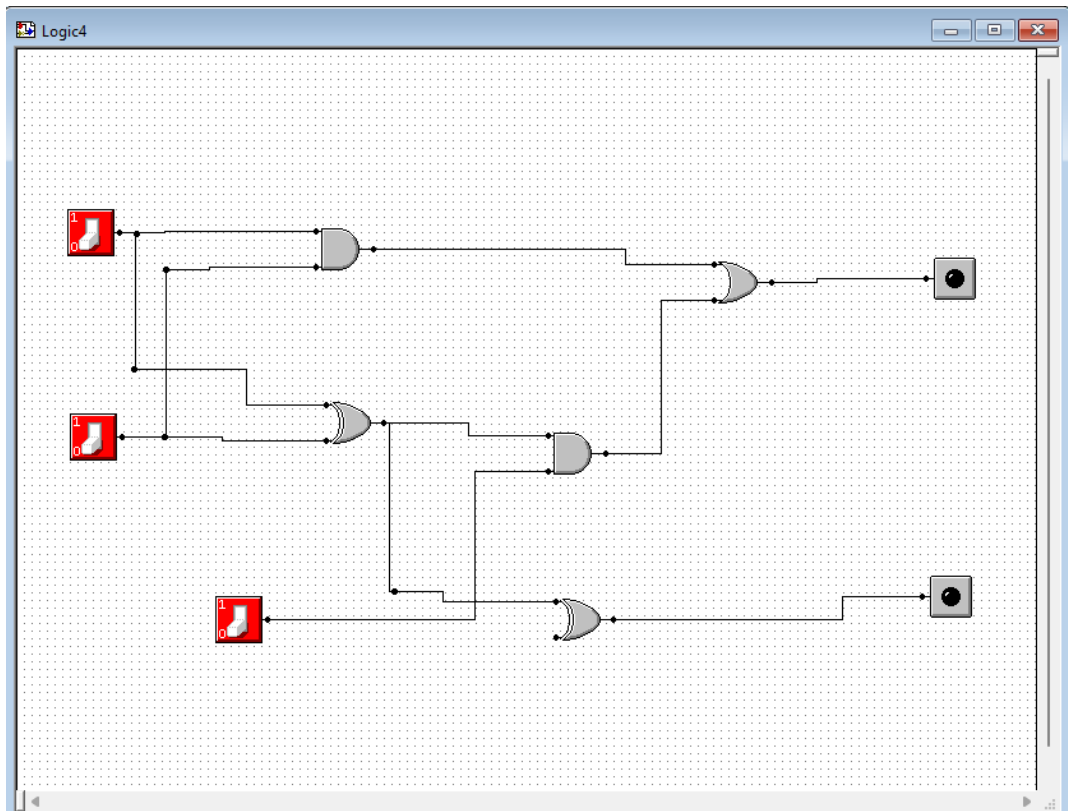
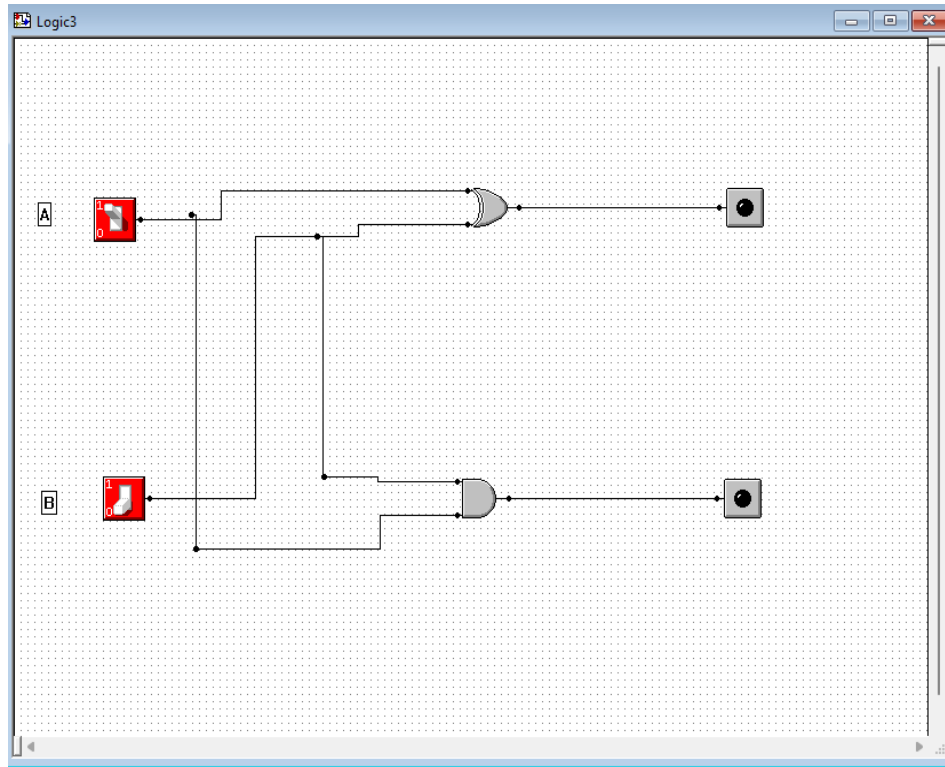
| A | B | F |
|---|---|---|
| 0 | 0 | 0 |
| 0 | 1 | 1 |
| 1 | 0 | 1 |
| 1 | 1 | 0 |



| A | B | F |
|---|---|---|
| 0 | 0 | 0 |
| 0 | 1 | 1 |
| 1 | 0 | 1 |
| 1 | 1 | 0 |

c) a) and b) are the same output

Activity 02



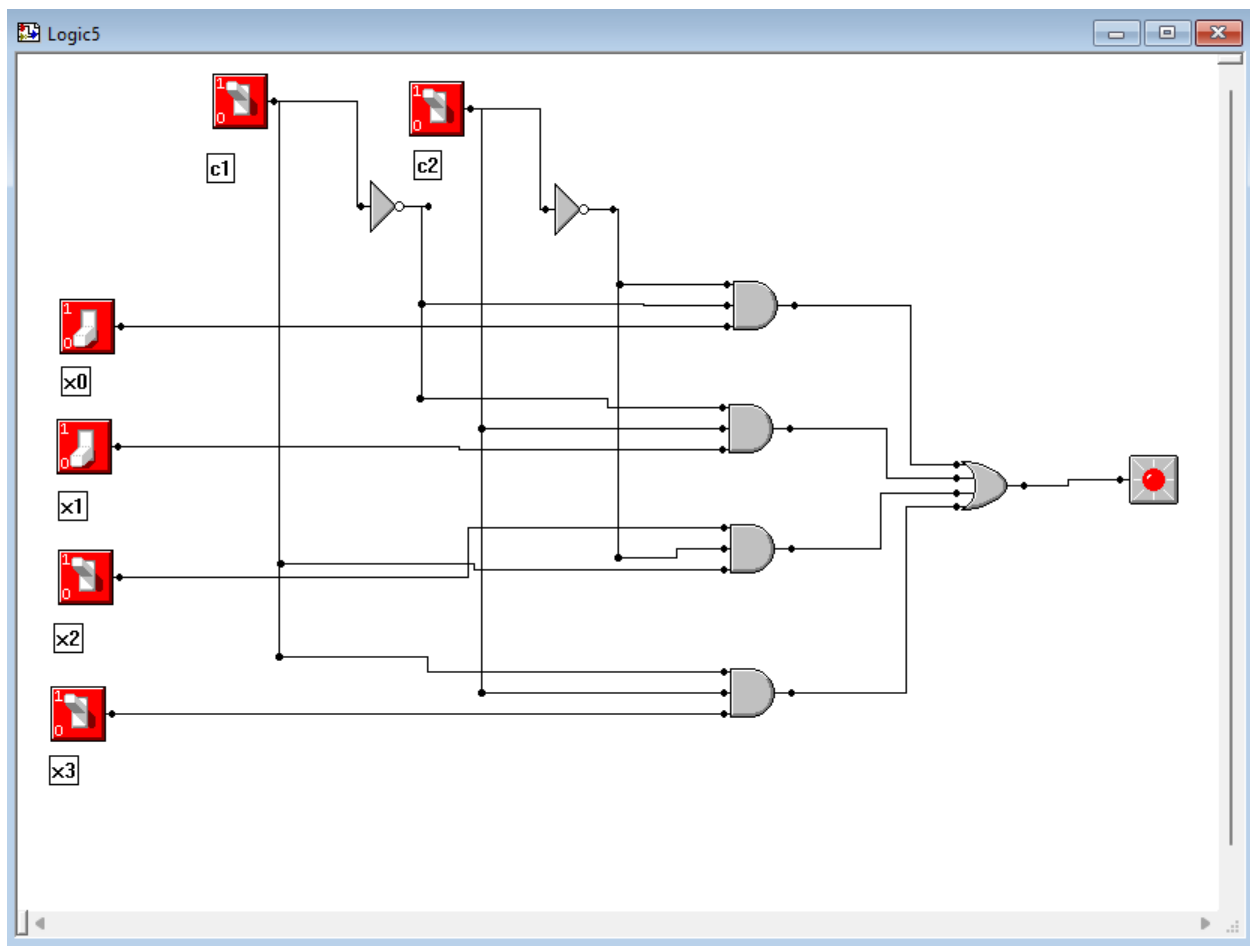
b) 4.2-half adder

Purpose – adding together the two least significant digits in a binary

4.3-full adder

Purpose- to calculate the sum of three binary digits

Activity 03



| C0 | C1 | F |
|----|----|----|
| 0 | 0 | X0 |
| 0 | 1 | X1 |
| 1 | 0 | X2 |
| 1 | 1 | X3 |