**Category/Partition**

1. กล่อง Large = 0 (ไม่ใช้กล่อง)
2. กล่อง Larger 0-100 (valid)
3. กล่อง Large >100 (Over limit)
4. กล่อง Large <0 (invalid)
5. กล่อง medium = 0 (ไม่ใช้กล่อง)
6. กล่อง medium 0-200 (valid)
7. กล่อง medium >200 (Over limit)
8. กล่อง medium <0 (invalid)
9. กล่อง small = 0 (ไม่ใช้กล่อง)
10. กล่อง small 0-500 (valid)
11. กล่อง small >500 (Over limit)
12. กล่อง small <0 (invalid)

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| **Test Case Design and Test Results** | | | | | | | | | | | | | |
|  |  | | | |  |  |  |  | |  |  | | |
| **Project Name:** | Shipping Problem | | | | | | | **Project ID:** | | EC-Lab5-02 | | | |
| **Test Strategy:** | Category-partition method | | | | | | | **Designer:** | | Panya Suriwan | | | |
| **Test Environment:** | |  | | | | | | | | | | | |
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| **Test Case ID** | **Input** | | | **Expected Result** | | | | | **Actual Result** | | | **Status (Pass/Fail/No run)** |
| เล็ก | กลาง | ใหญ่ |
| TC01 | 0 | 0 | 0 | [0, 0, 0] | | | | | [0, 0, 0] | | | Pass |
| TC02 | 0 | 0 | 99 | [99, 0, 0] | | | | | [99, 0, 0] | | | Pass |
| TC03 | 0 | 199 | 0 | [0, 199, 0] | | | | | [0, -1] | | | Fail |
| TC04 | 499 | 0 | 0 | [0, 0, 499] | | | | | [0, -1] | | | Fail |
| TC05 | 0 | 99 | 49 | [49, 99, 0] | | | | | [49, -1] | | | Fail |
| TC06 | 249 | 99 | 0 | [0, 99, 249] | | | | | [0, -1] | | | Fail |
| TC07 | 166 | 66 | 33 | [33, 66, 166] | | | | | [33, -1] | | | Fail |
| TC08 | 0 | 0 | 101 | [-1] | | | | | [-1] | | | Pass |
| TC09 | 0 | 201 | 0 | [-1] | | | | | [-1] | | | Pass |
| **Test Case ID** | **Input** | | | **Expected Result** | | | | | **Actual Result** | | | **Status (Pass/Fail/No run)** |
| เล็ก | กลาง | ใหญ่ |
| TC10 | 501 | 0 | 0 | [-1] | | | | | [-1] | | | Pass |
| TC11 | 0 | 101 | 50 | [-1] | | | | | [-1] | | | Pass |
| TC12 | 251 | 100 | 0 | [-1] | | | | | [-1] | | | Pass |
| TC13 | 167 | 67 | 35 | [-1] | | | | | [-1] | | | Pass |
| TC14 | 0 | 0 | -1 | Invalid Input | | | | | [-1, 0, 0] | | | Fail |
| TC15 | 0 | -1 | 0 | Invalid Input | | | | | [0, -1, 0] | | | Fail |
| TC16 | -1 | 0 | 0 | Invalid Input | | | | | [0, 0, -2] | | | Fail |
| TC17 | 0 | -1 | -1 | Invalid Input | | | | | [-1, -1, 0] | | | Fail |
| TC18 | -1 | -1 | 0 | Invalid Input | | | | | [0, -1, -2] | | | Fail |
| TC19 | -1 | -1 | -1 | Invalid Input | | | | | [-1, -1, -2] | | | Fail |
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| **Test Case ID** | **Input** | | | **Expected Result** | **Actual Result** | **Status (Pass/Fail/No run)** |
| เล็ก | กลาง | ใหญ่ |
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| **Scenario ID** | **Scenario Name** | **Test Case#** | **Pass** | **Fail** | **No run** | **Block** | **Remark** | **Defect ID** |
| EC-Lab5-02 | Shipping Problem | 19 | 8 | 11 | 0 | 0 |  |  |
| **รวม** | | 19 | 8 | 11 | 0 | 0 |  |  |