**Category/Partition**

1. Small (2 KG)
   1. ไม่มี(0 KG)
   2. ไม่เกิน 10 กล่อง (10 x 2 = 20 KG)
   3. ไม่เกิน 500 กล่อง (500 x 2 = 1000 KG)
2. Medium (5 KG)
   1. ไม่มี(0 KG)
   2. ไม่เกิน 20 กล่อง (20 x 5 = 100 KG)
   3. ไม่เกิน 200 กล่อง (200 x 5 = 1000 KG)
3. Large (10 KG)
   1. ไม่มี(0 KG)
   2. ไม่เกิน 50 กล่อง (50 x 10 = 500 KG)
   3. ไม่เกิน 200 กล่อง (100 x 10 = 1000 KG)

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| **Test Case Design and Test Results** | | | | | | | | | | | | | |
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| **Project Name:** | Shipping Problem | | | | | | | **Project ID:** | |  | | | |
| **Test Strategy:** | Category-partition method | | | | | | | **Designer:** | | ชญาศักดิ์ อบเชย | | | |
| **Test Environment:** | |  | | | | | | | | | | | |
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| **Test Case ID** | **Input** | | | **Expected Result** | | | | | **Actual Result** | | | **Status (Pass/Fail/No run)** |
| S | M | L |
| TC\_01 | 50 | 50 | 50 | 50,50,50 | | | | | 50,-1 | | | Fall |
| TC\_02 | 0 | 0 | 100 | 0,0,100 | | | | | -1 | | | Fall |
| TC\_03 | 0 | 0 | 101 | -1 | | | | | -1 | | | Pass |
| TC\_04 | 0 | 100 | 0 | 0,100,0 | | | | | 0,-1 | | | Fail |
| TC\_05 | 0 | 201 | 0 | -1 | | | | | -1 | | | Pass |
| TC\_06 | 100 | 0 | 0 | 100,0,0 | | | | | 0,-1 | | | Fail |
| TC\_07 | 501 | 0 | 0 | -1 | | | | | -1 | | | Pass |
| TC\_08 | 100 | 50 | 50 | 100,50,50 | | | | | 50,-1 | | | Fail |
| TC\_09 | 100 | 60 | 50 | 100,60,50 | | | | | -1 | | | Fail |
| **Test Case ID** | **Input** | | | **Expected Result** | | | | | **Actual Result** | | | **Status (Pass/Fail/No run)** |
| S | M | L |
| TC\_10 | 100 | 61 | 50 | -1 | | | | | -1 | | | Pass |
| TC\_11 | 0 | 0 | 0 | 0,0,0 | | | | | 0,0,0 | | | Pass |
| TC\_12 | 1 | 1 | 1 | 1,1,1 | | | | | 1,-1 | | | Fail |
| TC\_13 | 10 | 20 | 0 | -1 | | | | | 0,-1 | | | Fail |
| TC\_14 | 50 | 0 | 90 | 50,0,90 | | | | | 50,0,90 | | | Pass |
| TC\_15 | 50 | 0 | 91 | -1 | | | | | -1 | | | Pass |
| TC\_16 | 0 | 10 | 95 | -1 | | | | | -1 | | | Pass |
| TC\_17 | 5 | 5 | 95 | -1 | | | | | 95,-1 | | | Fail |
| TC\_18 | 25 | 25 | 50 | -1 | | | | | 50,-1 | | | Fail |
| TC\_19 | 200 | 0 | 0 | -1 | | | | | 0,-1 | | | Fail |
| TC\_20 | 20 | 40 | 40 | -1 | | | | | 40,-1 | | | Fail |
| TC\_21 | 10 | 10 | 95 | -1 | | | | | -1 | | | Pass |
| TC\_22 | 10 | 20 | 85 | -1 | | | | | 85,-1 | | | Fail |
| TC\_23 | 100 | 0 | 0 | -1 | | | | | 0,-1 | | | Fail |
| TC\_24 | 0 | 50 | 0 | -1 | | | | | 0,-1 | | | Fail |

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| **Test Case ID** | **Input** | | | **Expected Result** | **Actual Result** | **Status (Pass/Fail/No run)** |
| S | M | L |
| TC\_25 | 10 | 20 | 50 | -1 | 50,-1 | Fali |
| TC\_26 | 10 | 20 | 100 | -1 | -1 | Pass |
| TC\_27 | 500 | 0 | 100 | -1 | -1 | Pass |
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| **Scenario ID** | **Scenario Name** | **Test Case#** | **Pass** | **Fail** | **No run** | **Block** | **Remark** | **Defect ID** |
| EC-Lab5-02 | Shipping Problem |  |  |  |  |  |  |  |
| **รวม** | |  |  |  |  |  |  |  |