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| **Equivalence Class Design** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Valid EC** |  | | | | | |  | | |  |  | | | | | | **Invalid EC** | | | |  | |  | | | |
| **EC ID** | **Condition** | | | | | | | | | | | | | |  | | **EC ID** | | | **Condition** | | | | | | |
| EC01 | ขายใบพัดได้ไม่ต่ำกว่า 1000 ใบแต่ไม่ถึง 3000 ใบ (1000 <= X < 3000) | | | | | | | | | | | | | |  | | EC07 | | | ขายใบพัดได้ไม่ถึง 1000 ใบ  (X < 1000) | | | | | | |
| EC02 | ขายใบพัดได้ไม่ต่ำกว่า 3000 ใบแต่ไม่เกิน 5000 ใบ (3000 <= X <= 5000) | | | | | | | | | | | | | |  | | EC08 | | | ขายใบพัดได้มากกว่า 5000 ใบ  (X > 5000) | | | | | | |
| EC03 | ขายมอเตอร์ได้ไม่ต่ำกว่า 300 ตัวแต่ไม่ถึง 550 ตัว  (300 <= Y < 550) | | | | | | | | | | | | | |  | | EC09 | | | ขายมอเตอร์ได้ไม่ถึง 300 ตัว  (Y < 300) | | | | | | |
| EC04 | ขายมอเตอร์ได้ไม่ต่ำกว่า 550 ตัวแต่ไม่เกิน 800 ตัว  (550 <= Y <= 800) | | | | | | | | | | | | | |  | | EC10 | | | ขายมอเตอร์ได้มากกว่า 800 ตัว  (Y > 800) | | | | | | |
| EC05 | ขายกระจังหน้า-หลังได้ไม่ต่ำกว่า 500 คู่แต่ไม่ถึง 1750 คู่  (500 <= Z < 1750) | | | | | | | | | | | | | |  | | EC11 | | | ขายกระจังหน้า-หลังได้ไม่ถึง 500 คู่  (Z < 500) | | | | | | |
| EC06 | ขายกระจังหน้า-หลังได้ไม่ต่ำกว่า 1750 คู่แต่ไม่เกิน 3000 คู่  (1750 <= Z <= 3000) | | | | | | | | | | | | | |  | | EC12 | | | ขายกระจังหน้า-หลังได้มากกว่า 3000 คู่  (Z > 3000) | | | | | | |
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| **Test Case Design and Test Results** | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | |  | | | | | | | | | |  |  |  | |  | | | | | |  | |  | | | |
| **Project Name:** | | Income | | | | | | | | | | | | | | **Project ID:** | | | | | |  | | | | | |
| **Test Strategy:** | | Strong Robust Equivalence Class Testing | | | | | | | | | | | | | | **Designer:** | | | | | | ศุภวิชญ์ ศักดิ์เทวินทร์ | | | | | |
| **Test Environment:** | | |  | | | | | | | | | | | | | | | | | | | | | | | | |
|  | |  | | | | | | | | | |  |  |  | |  | | | | | |  | |  | | | |
| **Test Case ID** | | **Input** | | | | | | **Expected Result** | | | | | | | | | | **Actual Result** | | | | | | | **Status (Pass/Fail/No run)** | |
| ใบพัด | มอเตอร์ | | กระจังคู่ | | |
| TC01 | | 2000 | 425 | | 1125 | | | 55250 | | | | | | | | | | 55250 | | | | | | | Pass | |
| TC02 | | 2000 | 425 | | 2375 | | | 80250 | | | | | | | | | | 80250 | | | | | | | Pass | |
| TC03 | | 2000 | 425 | | 350 | | | -1 | | | | | | | | | | -1 | | | | | | | Pass | |
| TC04 | | 2000 | 425 | | 3500 | | | -1 | | | | | | | | | | 102750 | | | | | | | Fail | |
| TC05 | | 2000 | 675 | | 1125 | | | 62750 | | | | | | | | | | 62750 | | | | | | | Pass | |
| TC06 | | 2000 | 675 | | 2375 | | | 87750 | | | | | | | | | | 87750 | | | | | | | Pass | |
| TC07 | | 2000 | 675 | | 350 | | | -1 | | | | | | | | | | -1 | | | | | | | Pass | |
| TC08 | | 2000 | 675 | | 3500 | | | -1 | | | | | | | | | | 110250 | | | | | | | Fail | |
| TC09 | | 2000 | 250 | | 1125 | | | -1 | | | | | | | | | | -1 | | | | | | | Pass | |
| **Test Case ID** | | **Input** | | | | | | **Expected Result** | | | | | | | | | | **Actual Result** | | | | | | | **Status (Pass/Fail/No run)** | |
| ใบพัด | มอเตอร์ | | กระจังคู่ | | |
| TC10 | | 2000 | 250 | | 2375 | | | -1 | | | | | | | | | | -1 | | | | | | | Pass | |
| TC11 | | 2000 | 250 | | 350 | | | -1 | | | | | | | | | | -1 | | | | | | | Pass | |
| TC12 | | 2000 | 250 | | 3500 | | | -1 | | | | | | | | | | -1 | | | | | | | Pass | |
| TC13 | | 2000 | 900 | | 1125 | | | -1 | | | | | | | | | | 69500 | | | | | | | Fail | |
| TC14 | | 2000 | 900 | | 2375 | | | -1 | | | | | | | | | | 94500 | | | | | | | Fail | |
| TC15 | | 2000 | 900 | | 350 | | | -1 | | | | | | | | | | -1 | | | | | | | Pass | |
| TC16 | | 2000 | 900 | | 3500 | | | -1 | | | | | | | | | | 117000 | | | | | | | Fail | |
| TC17 | | 4000 | 425 | | 1125 | | | 75250 | | | | | | | | | | 75250 | | | | | | | Pass | |
| TC18 | | 4000 | 425 | | 2375 | | | 100250 | | | | | | | | | | 100250 | | | | | | | Pass | |
| TC19 | | 4000 | 425 | | 350 | | | -1 | | | | | | | | | | -1 | | | | | | | Pass | |
| TC20 | | 4000 | 425 | | 3500 | | | -1 | | | | | | | | | | 122750 | | | | | | | Fail | |
| TC21 | | 4000 | 675 | | 1125 | | | 82750 | | | | | | | | | | 82750 | | | | | | | Pass | |
| TC22 | | 4000 | 675 | | 2375 | | | 107750 | | | | | | | | | | 107750 | | | | | | | Pass | |
| TC23 | | 4000 | 675 | | 350 | | | -1 | | | | | | | | | | -1 | | | | | | | Pass | |
| TC24 | | 4000 | 675 | | 3500 | | | -1 | | | | | | | | | | 130250 | | | | | | | Fail | |
| **Test Case ID** | | **Input** | | | | | | | **Expected Result** | | | | | | | | | | **Actual Result** | | | | | | | **Status (Pass/Fail/No run)** | |
| ใบพัด | | มอเตอร์ | | กระจังคู่ | | |
| TC25 | | 4000 | | 250 | | 1125 | | | -1 | | | | | | | | | | -1 | | | | | | | Pass | |
| TC26 | | 4000 | | 250 | | 2375 | | | -1 | | | | | | | | | | -1 | | | | | | | Pass | |
| TC27 | | 4000 | | 250 | | 350 | | | -1 | | | | | | | | | | -1 | | | | | | | Pass | |
| TC28 | | 4000 | | 250 | | 3500 | | | -1 | | | | | | | | | | -1 | | | | | | | Pass | |
| TC29 | | 4000 | | 900 | | 1125 | | | -1 | | | | | | | | | | 89500 | | | | | | | Fail | |
| TC30 | | 4000 | | 900 | | 2375 | | | -1 | | | | | | | | | | 114500 | | | | | | | Fail | |
| TC31 | | 4000 | | 900 | | 350 | | | -1 | | | | | | | | | | -1 | | | | | | | Pass | |
| TC32 | | 4000 | | 900 | | 3500 | | | -1 | | | | | | | | | | 137000 | | | | | | | Fail | |
| TC33 | | 850 | | 425 | | 1125 | | | -1 | | | | | | | | | | -1 | | | | | | | Pass | |
| TC34 | | 850 | | 425 | | 2375 | | | -1 | | | | | | | | | | -1 | | | | | | | Pass | |
| TC35 | | 850 | | 425 | | 350 | | | -1 | | | | | | | | | | -1 | | | | | | | Pass | |
| TC36 | | 850 | | 425 | | 3500 | | | -1 | | | | | | | | | | -1 | | | | | | | Pass | |
| TC37 | | 850 | | 675 | | 1125 | | | -1 | | | | | | | | | | -1 | | | | | | | Pass | |
| TC38 | | 850 | | 675 | | 2375 | | | -1 | | | | | | | | | | -1 | | | | | | | Pass | |
| TC39 | | 850 | | 675 | | 350 | | | -1 | | | | | | | | | | -1 | | | | | | | Pass | |
| **Test Case ID** | | **Input** | | | | | | | **Expected Result** | | | | | | | | | | **Actual Result** | | | | | | | **Status (Pass/Fail/No run)** | |
| ใบพัด | | มอเตอร์ | | กระจังคู่ | | |
| TC40 | | 850 | | 675 | | 3500 | | | -1 | | | | | | | | | | -1 | | | | | | | Pass | |
| TC41 | | 850 | | 250 | | 1125 | | | -1 | | | | | | | | | | -1 | | | | | | | Pass | |
| TC42 | | 850 | | 250 | | 2375 | | | -1 | | | | | | | | | | -1 | | | | | | | Pass | |
| TC43 | | 850 | | 250 | | 350 | | | -1 | | | | | | | | | | -1 | | | | | | | Pass | |
| TC44 | | 850 | | 250 | | 3500 | | | -1 | | | | | | | | | | -1 | | | | | | | Pass | |
| TC45 | | 850 | | 900 | | 1125 | | | -1 | | | | | | | | | | -1 | | | | | | | Pass | |
| TC46 | | 850 | | 900 | | 2375 | | | -1 | | | | | | | | | | -1 | | | | | | | Pass | |
| TC47 | | 850 | | 900 | | 350 | | | -1 | | | | | | | | | | -1 | | | | | | | Pass | |
| TC48 | | 850 | | 900 | | 3500 | | | -1 | | | | | | | | | | -1 | | | | | | | Pass | |
| TC49 | | 5500 | | 425 | | 1125 | | | -1 | | | | | | | | | | 90250 | | | | | | | Fail | |
| TC50 | | 5500 | | 425 | | 2375 | | | -1 | | | | | | | | | | 115250 | | | | | | | Fail | |
| TC51 | | 5500 | | 425 | | 350 | | | -1 | | | | | | | | | | -1 | | | | | | | Pass | |
| TC52 | | 5500 | | 425 | | 3500 | | | -1 | | | | | | | | | | 137750 | | | | | | | Fail | |
| TC53 | | 5500 | | 675 | | 1125 | | | -1 | | | | | | | | | | 97750 | | | | | | | Fail | |
| TC54 | | 5500 | | 675 | | 2375 | | | -1 | | | | | | | | | | 122750 | | | | | | | Fail | |
| **Test Case ID** | | **Input** | | | | | | | **Expected Result** | | | | | | | | | | **Actual Result** | | | | | | | **Status (Pass/Fail/No run)** | |
| ใบพัด | | มอเตอร์ | | กระจังคู่ | | |
| TC55 | | 5500 | | 675 | | 350 | | | -1 | | | | | | | | | | -1 | | | | | | | Pass | |
| TC56 | | 5500 | | 675 | | 3500 | | | -1 | | | | | | | | | | 145250 | | | | | | | Fail | |
| TC57 | | 5500 | | 250 | | 1125 | | | -1 | | | | | | | | | | -1 | | | | | | | Pass | |
| TC58 | | 5500 | | 250 | | 2375 | | | -1 | | | | | | | | | | -1 | | | | | | | Pass | |
| TC59 | | 5500 | | 250 | | 350 | | | -1 | | | | | | | | | | -1 | | | | | | | Pass | |
| TC60 | | 5500 | | 250 | | 3500 | | | -1 | | | | | | | | | | -1 | | | | | | | Pass | |
| TC61 | | 5500 | | 900 | | 1125 | | | -1 | | | | | | | | | | 104500 | | | | | | | Fail | |
| TC62 | | 5500 | | 900 | | 2375 | | | -1 | | | | | | | | | | 129500 | | | | | | | Fail | |
| TC63 | | 5500 | | 900 | | 350 | | | -1 | | | | | | | | | | -1 | | | | | | | Pass | |
| TC64 | | 5500 | | 900 | | 3500 | | | -1 | | | | | | | | | | 152000 | | | | | | | Fail | |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Scenario ID** | **Scenario Name** | **Test Case#** | **Pass** | **Fail** | **No run** | **Block** | **Remark** | **Defect ID** |
| EC-Lab5-01 | Income | 64 | 45 | 19 | 0 | 0 |  |  |
| **รวม** | | 64 | 45 | 19 | 0 | 0 |  |  |