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| **Equivalence Class Design** | | | | | | | | | |
| **Valid EC** |  |  |  |  | | **Invalid EC** | |  |  |
| **EC ID** | **Condition** | | | |  | **EC ID** | **Condition** | | |
| **EC\_01** | **{1000 <= a < 5000}** | | | |  | **IEC\_04** | **{a < 1000}** | | |
| **EC\_02** | **{300 <= b < 800}** | | | |  | **IEC\_05** | **{a > 5000}** | | |
| **EC\_03** | **{500 <= c < 3000}** | | | |  |  |  | | |
|  |  | | | |  | **IEC\_06** | **{b < 300}** | | |
|  |  | | | |  | **IEC\_07** | **{b > 800}** | | |
|  |  | | | |  |  |  | | |
|  |  | | | |  | **IEC\_08** | **{c < 500}** | | |
|  |  | | | |  | **IEC\_09** | **{c > 3000}** | | |
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| **Test Case Design and Test Results** | | | | | | | | | | | | | |
|  |  | | | |  |  |  |  | |  |  | | |
| **Project Name:** | Income | | | | | | | **Project ID:** | |  | | | |
| **Test Strategy:** | Strong Robust Equivalence Class Testing | | | | | | | **Designer:** | | ชญาศักดิ์ อบเชย | | | |
| **Test Environment:** | |  | | | | | | | | | | | |
|  |  | | | |  |  |  |  | |  |  | | |
| **Test Case ID** | **Input** | | | **Expected Result** | | | | | **Actual Result** | | | **Status (Pass/Fail/No run)** |
| a | b | c |
| TC\_01 | 3000 | 550 | 1750 | 81500 | | | | | 81500 | | | Pass |
| TC\_02 | 3000 | 550 | 3001 | -1 | | | | | 106520 | | | Fail |
| TC\_03 | 3000 | 550 | 499 | -1 | | | | | -1 | | | Pass |
| TC\_04 | 3000 | 801 | 1750 | -1 | | | | | 89030 | | | Fail |
| TC\_05 | 3000 | 801 | 3001 | -1 | | | | | 114050 | | | Fail |
| TC\_06 | 3000 | 801 | 499 | -1 | | | | | -1 | | | Pass |
| TC\_07 | 3000 | 299 | 1750 | -1 | | | | | -1 | | | Pass |
| TC\_08 | 3000 | 299 | 3001 | -1 | | | | | -1 | | | Pass |
| TC\_09 | 3000 | 299 | 499 | -1 | | | | | -1 | | | Pass |
| **Test Case ID** | **Input** | | | **Expected Result** | | | | | **Actual Result** | | | **Status (Pass/Fail/No run)** |
| a | b | c |
| TC\_10 | 999 | 550 | 499 | -1 | | | | | -1 | | | Pass |
| TC\_11 | 1001 | 550 | 1750 | -1 | | | | | 61510 | | | Fail |
| TC\_12 | 5000 | 550 | 3001 | -1 | | | | | 126520 | | | Fail |
| TC\_13 | 1000 | 550 | 3001 | -1 | | | | | 86520 | | | Fail |
| TC\_14 | 5001 | 550 | 499 | -1 | | | | | -1 | | | Pass |
| TC\_15 | 5000 | 550 | 1750 | -1 | | | | | 101500 | | | Fail |
| TC\_16 | 3000 | 550 | 3001 | -1 | | | | | 106520 | | | Fail |
| TC\_17 | 5000 | 550 | 499 | -1 | | | | | -1 | | | Pass |
| TC\_18 | 999 | 550 | 1750 | -1 | | | | | -1 | | | Pass |
| TC\_19 | 999 | 299 | 1750 | -1 | | | | | -1 | | | Pass |
| TC\_20 | 300 | 801 | 1750 | -1 | | | | | -1 | | | Pass |
| TC\_21 | 5001 | 300 | 1750 | -1 | | | | | 94010 | | | Fail |
| TC\_22 | 5000 | 299 | 3001 | -1 | | | | | -1 | | | Pass |
| TC\_23 | 999 | 800 | 1750 | -1 | | | | | -1 | | | Pass |
| TC\_24 | 999 | 801 | 1750 | -1 | | | | | -1 | | | Pass |

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| **Test Case ID** | **Input** | | | **Expected Result** | **Actual Result** | **Status (Pass/Fail/No run)** |
|  |  |  |
| TC\_25 | 5001 | 801 | 1750 | -1 | 109040 | Fail |
| TC\_26 | 5001 | 550 | 1750 | -1 | 101510 | Fail |
| TC\_27 | 5001 | 800 | 1750 | -1 | 109010 | Fail |
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| **Scenario ID** | **Scenario Name** | **Test Case#** | **Pass** | **Fail** | **No run** | **Block** | **Remark** | **Defect ID** |
| EC-Lab5-01 | Income | 27 | 15 | 12 |  |  |  |  |
| **รวม** | | 27 | 15 | 12 |  |  |  |  |