

附表一 壽險業九十年度資料

| 壽險公司 | X1 內外勤 人員 | X2 業務 管理費用 | Y1 新契約 保費收入 | Y2 續年度 保費收入 | Y3 其他 保費收入 | Y4 投資收入 |
|-------|--------------|---------------|----------------|----------------|---------------|----------|
| 中央 | 520 | 483976 | 1,878,892 | 7,961,745 | 1,923,205 | 2717289 |
| 台灣 | 749 | 1211447 | 3,280,928 | 12,820,110 | 3,746,469 | 6045143 |
| 保誠 | 1094 | 1731158 | 4,297,365 | 6,076,353 | 3,556,013 | 1828063 |
| 國泰 | 3882 | 24341532 | 27,986,423 | 151,156,881 | 41,704,377 | 51828153 |
| 中國 | 656 | 1431025 | 3,650,028 | 7,824,685 | 3,173,466 | 4589577 |
| 南山 | 3831 | 8259293 | 14,922,216 | 76,944,676 | 33,412,369 | 28396175 |
| 新光 | 17307 | 14745608 | 20,158,814 | 72,878,543 | 18,499,058 | 29526928 |
| 富邦 | 596 | 1183718 | 6,382,073 | 14,680,252 | 3,529,255 | 3719274 |
| 國寶 | 268 | 673278 | 2,024,877 | 2,310,064 | 2,494,399 | 364945 |
| 三商美邦 | 989 | 1820047 | 5,401,363 | 11,552,889 | 7,242,237 | 2013274 |
| 興農 | 143 | 334057 | 989,765 | 1,138,285 | 511,769 | 242194 |
| 幸福 | 307 | 490691 | 3,667,372 | 1,338,154 | 1,001,491 | 316269 |
| 遠雄 | 268 | 636205 | 1,263,409 | 4,095,832 | 1,784,759 | 879900 |
| 宏泰 | 400 | 690310 | 1,425,708 | 2,798,755 | 1,141,462 | 709522 |
| 統一安聯 | 209 | 407284 | 1,314,036 | 1,728,804 | 809,854 | 582093 |
| 保德信國際 | 180 | 710956 | 1,046,147 | 1,982,034 | 653,876 | 454961 |
| 安泰 | 2400 | 8615370 | 13,996,243 | 30,073,633 | 21,049,064 | 6814934 |
| 大都會 | 290 | 860461 | 892,360 | 3,161,718 | 1,843,879 | 812456 |
| 美國 | 168 | 144587 | 149,362 | 299,978 | 151,692 | 63963 |
| 宏利 | 104 | 206136 | 201,792 | 275,581 | 369,362 | 57142 |
| 紐約 | 290 | 864298 | 5,242,317 | 1,857,807 | 918,063 | 533832 |
| 環球瑞泰 | 163 | 349464 | 319,912 | 845,821 | 539,523 | 227128 |
| 全球 | 269 | 437519 | 433,038 | 291,569 | 356,523 | 221033 |
| 蘇黎世 | 220 | 237589 | 1,171,187 | 315,285 | 349,767 | 69017 |
| 佳迪福 | 162 | 134340 | 604 | 8,564 | 457,419 | 13416 |

附表二 壽險業 DEA 分析

| DMU | CCR-0 | BCC-0 | SE | Excess X1 員工人數 | Excess X2 經營費用 | Shortage Y1 新契約保費 | Shortage Y2 緒年度保費收入 | Shortage Y3 其他保費收入 | Shortage Y4 投資收入 |
|------|-------------|-------------|-------------|-------------------|-------------------|----------------------|------------------------|-----------------------|---------------------|
| L1, | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| L2, | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| L3, | 0.583075388 | 0.583096912 | 0.999963086 | 0 | 0 | 0 | 5169024.586 | 0 | 1140861.882 |
| L4, | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| L5, | 0.86557767 | 0.900293118 | 0.961439838 | 0 | 0 | 0 | 4313905.642 | 135601.5263 | 0 |
| L6, | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| L7, | 0.356651107 | 0.997288506 | 0.357620793 | 522.07503 | 0 | 257825.0854 | 13636314.78 | 2399100.262 | 0 |
| L8, | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| L9, | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| L10, | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| L11, | 0.59147839 | 1 | 0.59147839 | 0 | 0 | 0 | 280285.0593 | 0 | 105700.2648 |
| L12, | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| L13, | 0.789399891 | 0.973456977 | 0.810924272 | 0 | 0 | 0 | 0 | 0 | 438827.7254 |
| L14, | 0.477764416 | 0.571684149 | 0.835713946 | 0 | 0 | 0 | 686670.3262 | 0 | 162530.5161 |
| L15, | 0.637332883 | 0.892507943 | 0.714092113 | 0 | 0 | 0 | 1292645.907 | 0 | 169237.8263 |
| L16, | 0.505532168 | 0.896607667 | 0.563827621 | 0 | 0 | 0 | 0 | 0 | 160445.2783 |
| L17, | 0.90239701 | 1 | 0.90239701 | 0 | 0 | 2152133.871 | 7420518.872 | 0 | 3578922.258 |
| L18, | 0.679070171 | 0.799432904 | 0.849439857 | 0 | 0 | 396300.5379 | 0 | 0 | 113174.0269 |
| L19, | 0.264732131 | 1 | 0.264732131 | 3.444520281 | 0 | 0 | 326784.6602 | 0 | 149885.9479 |
| L20, | 0.445239338 | 1 | 0.445239338 | 0 | 0 | 0 | 521178.9093 | 0 | 203342.5037 |
| L21, | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| L22, | 0.39065315 | 0.762553784 | 0.512295865 | 0 | 0 | 0 | 149975.9917 | 0 | 79827.91062 |
| L23, | 0.232206505 | 0.523317477 | 0.443720141 | 0 | 0 | 0 | 816769.778 | 0 | 66364.27476 |
| L24, | 0.680341297 | 1 | 0.680341297 | 43.93296265 | 0 | 0 | 266536.6067 | 0 | 86234.24765 |
| L25, | 0.841675063 | 1 | 0.841675063 | 83.9045496 | 0 | 203682.7754 | 1044817.062 | 0 | 375330.7534 |

附表二 (續) 權重

| DMU | V(1) | V(2) | U(1) | U(2) | U(3) | U(4) |
|------|-------------|----------|----------|----------|----------|----------|
| L1, | 9.01E-04 | 1.10E-06 | 6.70E-08 | 1.24E-08 | 1.85E-07 | 1.54E-07 |
| L2, | 4.33E-04 | 5.57E-07 | 4.70E-08 | 8.71E-09 | 3.16E-08 | 1.02E-07 |
| L3, | 7.51E-05 | 5.30E-07 | 4.42E-08 | 0 | 1.10E-07 | 0 |
| L4, | 1.97E-04 | 9.68E-09 | 1.05E-08 | 1.56E-09 | 5.65E-09 | 4.54E-09 |
| L5, | 1.09E-03 | 1.98E-07 | 5.37E-08 | 0 | 0 | 1.46E-07 |
| L6, | 2.01E-04 | 2.78E-08 | 7.36E-09 | 1.36E-09 | 2.01E-08 | 3.97E-09 |
| L7, | 0 | 6.78E-08 | 0 | 0 | 0 | 1.21E-08 |
| L8, | 8.40E-05 | 8.03E-07 | 9.90E-08 | 9.61E-09 | 3.48E-08 | 2.80E-08 |
| L9, | 6.92E-04 | 1.21E-06 | 9.88E-08 | 3.96E-09 | 3.15E-07 | 1.16E-08 |
| L10, | 1.42E-04 | 4.72E-07 | 3.27E-08 | 1.99E-09 | 1.09E-07 | 5.79E-09 |
| L11, | 4.30E-03 | 1.15E-06 | 3.41E-07 | 0 | 4.96E-07 | 0 |
| L12, | 1.43E-03 | 1.14E-06 | 2.46E-07 | 1.66E-08 | 6.00E-08 | 4.83E-08 |
| L13, | 2.84E-03 | 3.74E-07 | 9.22E-08 | 3.32E-08 | 3.01E-07 | 0 |
| L14, | 1.90E-04 | 1.34E-06 | 1.12E-07 | 0 | 2.79E-07 | 0 |
| L15, | 3.24E-04 | 2.29E-06 | 1.91E-07 | 0 | 4.77E-07 | 0 |
| L16, | 4.43E-03 | 2.85E-07 | 2.23E-07 | 2.12E-08 | 3.52E-07 | 0 |
| L17, | 3.58E-04 | 1.64E-08 | 0 | 0 | 4.29E-08 | 0 |
| L18, | 2.79E-03 | 2.22E-07 | 0 | 1.10E-08 | 3.49E-07 | 0 |
| L19, | 0 | 6.92E-06 | 6.14E-07 | 0 | 1.14E-06 | 0 |
| L20, | 0.000116429 | 4.79E-06 | 7.45E-08 | 0 | 1.16E-06 | 0 |
| L21, | 3.01E-03 | 1.48E-07 | 1.60E-07 | 2.38E-08 | 8.63E-08 | 6.94E-08 |
| L22, | 1.20E-03 | 2.30E-06 | 1.20E-07 | 0 | 6.53E-07 | 0 |
| L23, | 2.98E-04 | 2.10E-06 | 1.75E-07 | 0 | 4.38E-07 | 0 |
| L24, | 0 | 4.21E-06 | 3.74E-07 | 0 | 6.94E-07 | 0 |
| L25, | 0 | 7.44E-06 | 0 | 0 | 1.84E-06 | 0 |

附表二 (續) 參考集合與規模報酬

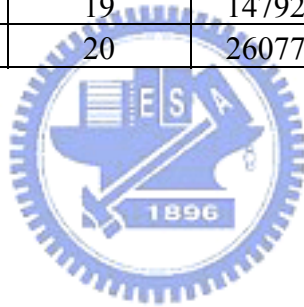
| DMU | Reference set (lambda) 參考集合 | | | | | | | | RTS | RTS of Projected DMU |
|------|-----------------------------|-------------|------|-------------|------|-------------|------|-------------|------------|----------------------|
| L1, | L1, | 1 | | | | | | | Constant | |
| L2, | L2, | 1 | | | | | | | Constant | |
| L3, | L1, | 0.41927449 | L8, | 0.38903829 | L10, | 0.190085864 | | | | Constant |
| L4, | L4, | 1 | | | | | | | Constant | |
| L5, | L2, | 0.471235531 | L4, | 1.45E-02 | L8, | 0.266108262 | | | | Increasing |
| L6, | L6, | 1 | | | | | | | Constant | |
| L7, | L1, | 10.8663186 | | | | | | | | Constant |
| L8, | L8, | 1 | | | | | | | Constant | |
| L9, | L9, | 1 | | | | | | | Constant | |
| L10, | L10, | 1 | | | | | | | Constant | |
| L11, | L8, | 7.68E-02 | L9, | 0.071604196 | L21, | 6.76E-02 | | | | Increasing |
| L12, | L12, | 1 | | | | | | | Constant | |
| L13, | L4, | 2.32E-03 | L6, | 3.20E-02 | L8, | 6.22E-02 | L9, | 0.160070587 | | Increasing |
| L14, | L1, | 0.072828066 | L8, | 0.1445409 | L10, | 6.78E-02 | | | | Increasing |
| L15, | L1, | 4.16E-03 | L8, | 0.18885426 | L10, | 1.87E-02 | | | | Increasing |
| L16, | L4, | 8.57E-03 | L8, | 2.69E-02 | L9, | 4.23E-02 | L21, | 0.104764065 | | Increasing |
| L17, | L4, | 0.159956407 | L9, | 5.764186769 | | | | | Decreasing | |
| L18, | L4, | 7.40E-03 | L6, | 1.35E-02 | L9, | 0.434610488 | | | | Increasing |
| L19, | L1, | 7.86E-02 | L12, | 4.33E-04 | | | | | | Increasing |
| L20, | L1, | 5.60E-03 | L6, | 7.62E-03 | L10, | 1.44E-02 | | | | Increasing |
| L21, | L21, | 1 | | | | | | | Constant | |
| L22, | L6, | 9.02E-03 | L9, | 4.68E-02 | L10, | 1.68E-02 | | | | Increasing |
| L23, | L1, | 3.57E-02 | L8, | 4.03E-02 | L10, | 2.01E-02 | | | | Increasing |
| L24, | L1, | 2.12E-02 | L12, | 0.308476182 | | | | | | Increasing |
| L25, | L6, | 1.37E-02 | | | | | | | | Increasing |

附表三 壽險業整合

| | 此階段最差 | 此階段平均效率 | 合併組合對象 | 合併後效率 | 提升幅度 |
|----|---|-----------|-----------|----------|----------|
| 1 | L23, | 0.7297251 | L8 | 0.760878 | 0.042692 |
| 2 | L19, | 0.7608783 | L12 | 0.792827 | 0.04199 |
| 3 | L7, | 0.7928272 | L22 | 0.810854 | 0.022738 |
| 4 | L22,L7, | 0.8108543 | L21 | 0.830216 | 0.023878 |
| 5 | L21,L22,L7, | 0.8302158 | L20 | 0.84933 | 0.023023 |
| 6 | L20,L21,L22,L7, | 0.8493303 | L14 | 0.865816 | 0.01941 |
| 7 | L14,L20,L21,L22,L7, | 0.8658159 | L3 | 0.879488 | 0.015791 |
| 8 | L3,L14,L20,L21,L22,L7, | 0.8794881 | L4 | 0.892078 | 0.014315 |
| 9 | L4,L3,L14,L20,L21,L22,L7, | 0.8920776 | L8,L23 | 0.914272 | 0.024879 |
| 10 | L8,L23,L4,L3,L14,L20,L21,L22,L7, | 0.9142718 | L6 | 0.930454 | 0.017699 |
| 11 | L6,L8,L23,L4,L3,L14,L20,L21,L22,L7, | 0.9304536 | L12,L19 | 0.946127 | 0.016845 |
| 12 | L12,L19,L6,L8,L23,L4,L3,L14,L20,L21,L22,L7, | 0.9461268 | L18 | 0.956609 | 0.011079 |
| 13 | L18,L12,L19,L6,L8,L23,L4,L3,L14,L20,L21,L22,L7, | 0.9566093 | 依經驗法則停止合併 | | |

附表四 產險業九十年度資料

| | X1 員工人數 | X2 經營費用 | X3 分支機構 | Y1 自留保費 | Y2 投資收入 | Y3 再保佣金收入 |
|------|---------|---------|---------|---------|---------|-----------|
| 台產 | 483 | 564644 | 49 | 1605237 | 553539 | 1474631 |
| 中國 | 509 | 645908 | 25 | 2274056 | 577930 | 2199208 |
| 太平 | 337 | 520773 | 15 | 1039302 | 145397 | 2330500 |
| 中國航聯 | 572 | 601320 | 44 | 1730082 | 277458 | 1739021 |
| 富邦 | 2211 | 2918339 | 86 | 8571918 | 4555977 | 7937216 |
| 蘇黎世 | 678 | 1223355 | 38 | 2486695 | 307526 | 2345739 |
| 安泰 | 827 | 875463 | 33 | 2545093 | 666616 | 2182160 |
| 明台 | 1341 | 1814221 | 65 | 3605359 | 312546 | 4405675 |
| 中央 | 517 | 839531 | 29 | 1174827 | 265713 | 1991123 |
| 第一 | 737 | 643203 | 34 | 2090743 | 156791 | 2633377 |
| 國華 | 683 | 1097515 | 33 | 2077675 | 372531 | 3458121 |
| 友聯 | 1113 | 1310532 | 68 | 4249834 | 343789 | 2806080 |
| 新光 | 598 | 608232 | 36 | 1839512 | 205487 | 1461379 |
| 華南 | 714 | 942984 | 43 | 3551055 | 426937 | 1331989 |
| 東泰 | 649 | 613606 | 19 | 1479241 | 147009 | 2334747 |
| 統一安聯 | 433 | 596405 | 20 | 2607713 | 238139 | 1047260 |



附表五 產險業 DEA 分析

| DMU | CCR- θ | BCC- θ | SE | Excess X1 員工人數 S-(1) | Excess X2 經營費用 S-(2) | Excess X3 分支機構數 S-(3) | Shortage Y1 自留保費 S+(1) | Shortage Y2 投資收入 S+(2) | Shortage Y3 再保佣金收入 S+(3) |
|------|---------------|---------------|-----------|----------------------------|----------------------------|-----------------------------|------------------------------|------------------------------|--------------------------------|
| P1, | 0.85618456 | 1 | 0.8561846 | 39.9344938 | 0 | 25.180543 | 0 | 0 | 0 |
| P2, | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| P3, | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| P4, | 0.822198888 | 0.93272007 | 0.8815066 | 8.350218836 | 0 | 14.327542 | 0 | 0 | 0 |
| P5, | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| P6, | 0.783880102 | 0.827548844 | 0.9472312 | 0 | 199518.14 | 5.3879734 | 0 | 0 | 0 |
| P7, | 0.818444297 | 0.820413451 | 0.9975998 | 122.4426281 | 0 | 0.9190567 | 0 | 0 | 0 |
| P8, | 0.654196427 | 0.776051282 | 0.8429809 | 0 | 0 | 0.6904527 | 0 | 487961.92 | 0 |
| P9, | 0.650396923 | 0.739671041 | 0.8793056 | 0 | 56694.231 | 3.7760993 | 0 | 0 | 0 |
| P10, | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| P11, | 0.612074658 | 0.641915873 | 0.9535123 | 0 | 0 | 3.5293972 | 0 | 239191.41 | 0 |
| P12, | 0.845596137 | 1 | 0.8455961 | 0 | 86416.233 | 1.3729886 | 0 | 0 | 0 |
| P13, | 0.820071538 | 0.940192815 | 0.8722376 | 0 | 0 | 13.304626 | 0 | 108299.73 | 0 |
| P14, | 0.802606214 | 0.920579634 | 0.8718488 | 36.689585 | 0 | 8.2389698 | 0 | 0 | 0 |
| P15, | 0.88889553 | 1 | 0.8888955 | 23.60449048 | 0 | 10.436388 | 0 | 0 | 216399.04 |
| P16, | 0.955654911 | 0.96232002 | 0.9930739 | 221.9196156 | 0 | 0 | 0 | 83477.411 | 0 |
| P17, | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |

附表五 (續) 權重

| DMU | V(1) | V(2) | V(3) | U(1) | U(2) | U(3) |
|------|--------------|--------------|--------------|--------------|--------------|--------------|
| P1, | 0 | 1.77E-06 | 0 | 3.44E-07 | 3.70E-07 | 6.67E-08 |
| P2, | 0.0004098901 | 0.0000008173 | 0.0105379889 | 0.0000002668 | 0.0000001989 | 0.0000001265 |
| P3, | 2.20E-03 | 2.50E-07 | 8.49E-03 | 3.72E-07 | 1.60E-07 | 2.53E-07 |
| P4, | 0 | 1.66E-06 | 0 | 3.16E-07 | 3.16E-08 | 1.54E-07 |
| P5, | 9.02E-05 | 6.83E-08 | 6.99E-03 | 7.01E-08 | 4.38E-08 | 2.51E-08 |
| P6, | 1.47E-03 | 0 | 0 | 1.87E-07 | 9.16E-08 | 1.24E-07 |
| P7, | 0 | 1.14E-06 | 0 | 2.22E-07 | 2.39E-07 | 4.30E-08 |
| P8, | 5.19E-04 | 1.68E-07 | 0 | 9.66E-08 | 0 | 6.94E-08 |
| P9, | 1.93E-03 | 0 | 0 | 1.96E-07 | 2.64E-07 | 1.76E-07 |
| P10, | 2.35E-05 | 1.50E-06 | 6.05E-04 | 2.90E-07 | 1.14E-08 | 1.49E-07 |
| P11, | 1.07E-03 | 3.47E-07 | 0 | 2.00E-07 | 0 | 1.44E-07 |
| P12, | 1.46E-03 | 0 | 0 | 1.85E-07 | 9.09E-08 | 1.23E-07 |
| P13, | 3.70E-05 | 7.32E-07 | 0 | 1.43E-07 | 0 | 7.54E-08 |
| P14, | 0 | 1.64E-06 | 0 | 3.12E-07 | 3.12E-08 | 1.52E-07 |
| P15, | 0 | 1.06E-06 | 0 | 2.18E-07 | 2.69E-07 | 0 |
| P16, | 0 | 9.56E-07 | 2.17E-02 | 2.97E-07 | 0 | 2.21E-07 |
| P17, | 1.18E-03 | 3.83E-07 | 1.30E-02 | 3.04E-07 | 2.46E-07 | 1.41E-07 |

附表五 (續) 參考集合與規模報酬

| DMU | Reference set (lambda)參考集合 | | | | | | RTS | RTS of Projected DMU |
|------|----------------------------|-----------|------|-----------|------|------------|------------|----------------------|
| P1, | P2, | 0.4085777 | P5, | 6.78E-02 | P17, | 3.65E-02 | Increasing | |
| P2, | P2, | 1 | | | | | Constant | |
| P3, | P3, | 1 | | | | | Constant | |
| P4, | P2, | 0.3529926 | P10, | 0.3290844 | P17, | 9.18E-02 | | Increasing |
| P5, | P5, | 1 | | | | | Constant | |
| P6, | P2, | 0.1334697 | P3, | 0.6144142 | P17, | 0.5923257 | | Constant |
| P7, | P2, | 0.7608444 | P5, | 4.04E-02 | P17, | 0.17964993 | | Constant |
| P8, | P2, | 1.169131 | P3, | 0.7601848 | P17, | 6.01E-02 | | Constant |
| P9, | P2, | 0.1492805 | P3, | 0.6500172 | P5, | 1.86E-02 | | Increasing |
| P10, | P10, | 1 | | | | | Constant | |
| P11, | P2, | 0.229256 | P3, | 0.1758527 | P17, | 0.50680497 | | Constant |
| P12, | P2, | 0.3376372 | P3, | 1.1444903 | P17, | 4.62E-02 | Decreasing | |
| P13, | P2, | 0.2151114 | P10, | 0.4586643 | P17, | 1.07439327 | | Decreasing |
| P14, | P2, | 0.1298436 | P10, | 0.3097772 | P17, | 0.34381691 | | Increasing |
| P15, | P5, | 2.72E-02 | P17, | 1.2723226 | | | Decreasing | |
| P16, | P2, | 0.1470727 | P3, | 0.8110097 | P17, | 0.11577405 | | Constant |
| P17, | P17, | 1 | | | | | Constant | |

附表六 產險業整合

| | 此階段最差 | 此階段平均效率 | 合併組合 | 合併後效率 | 提升幅度 |
|---|---------|------------|---------|------------|-------|
| 1 | P11, | 0.85354119 | P3 | 0.88419495 | 3.59% |
| 2 | P8, | 0.88419495 | P5 | 0.90672041 | 2.55% |
| 3 | P9, | 0.90672041 | P2 | 0.9396025 | 3.63% |
| 4 | P14, | 0.9396025 | P17 | 0.97567018 | 3.84% |
| 5 | P3,P11, | 0.97567018 | P10 | 0.98741504 | 1.20% |
| 6 | P13, | 0.98741504 | 依經驗法則停止 | | |

附表八 壽險產險混和配對整合

| | 此階段最差 | 此階段平均效率 | 合併組合 | 合併後效率 | 提升幅度 |
|----|---------|----------|---------|----------|-------|
| 1 | L23, | 0.779218 | P3 | 0.803141 | 3.07% |
| 2 | L19, | 0.803141 | P17 | 0.82447 | 2.66% |
| 3 | L7, | 0.82447 | P2 | 0.846878 | 2.72% |
| 4 | L22, | 0.846878 | P12 | 0.866214 | 2.28% |
| 5 | L20, | 0.866214 | P10 | 0.88674 | 2.37% |
| 6 | L14, | 0.88674 | P5 | 0.90521 | 2.08% |
| 7 | L16, | 0.90521 | L8 | 0.921923 | 1.85% |
| 8 | L3, | 0.921923 | L6 | 0.935279 | 1.45% |
| 9 | L11, | 0.935279 | L12 | 0.950229 | 1.60% |
| 10 | L18, | 0.950229 | L2 | 0.960604 | 1.09% |
| 11 | L15, | 0.960604 | P16 | 0.970472 | 1.03% |
| 12 | P11, | 0.970472 | L4 | 0.98052 | 1.04% |
| 13 | L25, | 0.98052 | P12,L22 | 0.98637 | 0.60% |
| 14 | L24, | 0.98637 | L8,L16 | 0.991914 | 0.56% |
| 15 | P2,L7, | 0.991914 | P17,L19 | 0.995814 | 0.39% |
| 16 | L13, | 0.995814 | P10,L20 | 0.998661 | 0.29% |
| 17 | P14, | 0.998661 | P4 | 1 | 0.13% |
| 18 | P4,P14, | 1 | None | | |

附表七 保險產險混和配對整合 DEA 分析

| DMU | CCR-θ | BCC-θ | SE | X1 員工人數 | X2 經營費用 | X3 分支機構 |
|------|-------------|----------|----------|-----------|-----------|-----------|
| P1, | 0.846994271 | 0.903365 | 0.9376 | 25.601327 | 0 | 24.312583 |
| P2, | 1 | 1 | 1 | 0 | 0 | 0 |
| P3, | 1 | 1 | 1 | 0 | 0 | 0 |
| P4, | 0.822198888 | 0.87266 | 0.942176 | 8.3502188 | 0 | 14.327542 |
| P5, | 1 | 1 | 1 | 0 | 0 | 0 |
| P6, | 0.783880102 | 0.827549 | 0.947231 | 0 | 199518.14 | 5.3879734 |
| P7, | 0.814909067 | 0.817986 | 0.996238 | 113.61787 | 0 | 0.5533079 |
| P8, | 0.654196427 | 0.776051 | 0.842981 | 0 | 0 | 0.6904527 |
| P9, | 0.645190141 | 0.661811 | 0.974886 | 0 | 41918.414 | 3.4892979 |
| P10, | 1 | 1 | 1 | 0 | 0 | 0 |
| P11, | 0.612074658 | 0.627473 | 0.975459 | 0 | 0 | 3.5293972 |
| P12, | 0.845596137 | 1 | 0.845596 | 0 | 86416.233 | 1.3729886 |
| P13, | 0.820071538 | 0.940193 | 0.872238 | 0 | 0 | 13.304626 |
| P14, | 0.802606214 | 0.850325 | 0.943882 | 36.689585 | 0 | 8.2389698 |
| P15, | 0.880649185 | 1 | 0.880649 | 19.501421 | 0 | 10.632901 |
| P16, | 0.955654911 | 0.96232 | 0.993074 | 221.91962 | 0 | 0 |
| P17, | 1 | 1 | 1 | 0 | 0 | 0 |
| L1, | 1 | 1 | 1 | 0 | 0 | 0 |
| L2, | 1 | 1 | 1 | 0 | 0 | 0 |
| L3, | 0.583075388 | 0.583097 | 0.999963 | 0 | 0 | 0 |
| L4, | 1 | 1 | 1 | 0 | 0 | 0 |
| L5, | 0.86557767 | 0.900293 | 0.96144 | 0 | 0 | 0 |
| L6, | 1 | 1 | 1 | 0 | 0 | 0 |
| L7, | 0.356651107 | 0.997289 | 0.357621 | 522.07503 | 0 | 0 |
| L8, | 1 | 1 | 1 | 0 | 0 | 0 |
| L9, | 1 | 1 | 1 | 0 | 0 | 0 |
| L10, | 1 | 1 | 1 | 0 | 0 | 0 |
| L11, | 0.59147839 | 1 | 0.591478 | 0 | 0 | 0 |
| L12, | 1 | 1 | 1 | 0 | 0 | 0 |
| L13, | 0.789399891 | 0.973457 | 0.810924 | 0 | 0 | 0 |
| L14, | 0.477764416 | 0.571684 | 0.835714 | 0 | 0 | 0 |
| L15, | 0.637332883 | 0.892508 | 0.714092 | 0 | 0 | 0 |
| L16, | 0.505532168 | 0.896608 | 0.563828 | 0 | 0 | 0 |
| L17, | 0.90239701 | 1 | 0.902397 | 0 | 0 | 0 |
| L18, | 0.679070171 | 0.799433 | 0.84944 | 0 | 0 | 0 |
| L19, | 0.264732131 | 1 | 0.264732 | 3.4445203 | 0 | 0 |
| L20, | 0.445239338 | 1 | 0.445239 | 0 | 0 | 0 |
| L21, | 1 | 1 | 1 | 0 | 0 | 0 |
| L22, | 0.39065315 | 0.762554 | 0.512296 | 0 | 0 | 0 |
| L23, | 0.232206505 | 0.523317 | 0.44372 | 0 | 0 | 0 |
| L24, | 0.680341297 | 1 | 0.680341 | 43.932963 | 0 | 0 |
| L25, | 0.841675063 | 1 | 0.841675 | 83.90455 | 0 | 0 |

附表七（續）產出變項改進值

| DMU | Y1 投資收入 | Y2 自留保費 | Y3 新契約保費 | Y4 續年度保費收入 | Y5 其他保費收入 | (O)Y6 再保佣金收入 |
|------|-----------|---------|-----------|------------|-----------|--------------|
| P1, | 0 | 0 | 116148.21 | 492174.33 | 118887.52 | 0 |
| P2, | 0 | 0 | 0 | 0 | 0 | 0 |
| P3, | 0 | 0 | 0 | 0 | 0 | 0 |
| P4, | 0 | 0 | 0 | 0 | 0 | 0 |
| P5, | 0 | 0 | 0 | 0 | 0 | 0 |
| P6, | 0 | 0 | 0 | 0 | 0 | 0 |
| P7, | 0 | 0 | 69273.02 | 293542.21 | 70906.799 | 0 |
| P8, | 487961.92 | 0 | 0 | 0 | 0 | 0 |
| P9, | 0 | 0 | 23613.939 | 127540.75 | 35188.656 | 0 |
| P10, | 0 | 0 | 0 | 0 | 0 | 0 |
| P11, | 239191.41 | 0 | 0 | 0 | 0 | 0 |
| P12, | 0 | 0 | 0 | 0 | 0 | 0 |
| P13, | 108299.73 | 0 | 0 | 0 | 0 | 0 |
| P14, | 0 | 0 | 0 | 0 | 0 | 0 |
| P15, | 0 | 0 | 70978.92 | 300770.91 | 72652.932 | 94118.037 |
| P16, | 83477.411 | 0 | 0 | 0 | 0 | 0 |
| P17, | 0 | 0 | 0 | 0 | 0 | 0 |
| L1, | 0 | 0 | 0 | 0 | 0 | 0 |
| L2, | 0 | 0 | 0 | 0 | 0 | 0 |
| L3, | 1140861.9 | 0 | 0 | 5169024.6 | 0 | 0 |
| L4, | 0 | 0 | 0 | 0 | 0 | 0 |
| L5, | 0 | 0 | 0 | 4313905.6 | 135601.53 | 0 |
| L6, | 0 | 0 | 0 | 0 | 0 | 0 |
| L7, | 0 | 0 | 257825.09 | 13636315 | 2399100.3 | 0 |
| L8, | 0 | 0 | 0 | 0 | 0 | 0 |
| L9, | 0 | 0 | 0 | 0 | 0 | 0 |
| L10, | 0 | 0 | 0 | 0 | 0 | 0 |
| L11, | 105700.26 | 0 | 0 | 280285.06 | 0 | 0 |
| L12, | 0 | 0 | 0 | 0 | 0 | 0 |
| L13, | 438827.73 | 0 | 0 | 0 | 0 | 0 |
| L14, | 162530.52 | 0 | 0 | 686670.33 | 0 | 0 |
| L15, | 169237.83 | 0 | 0 | 1292645.9 | 0 | 0 |
| L16, | 160445.28 | 0 | 0 | 0 | 0 | 0 |
| L17, | 3578922.3 | 0 | 2152133.9 | 7420518.9 | 0 | 0 |
| L18, | 113174.03 | 0 | 396300.54 | 0 | 0 | 0 |
| L19, | 149885.95 | 0 | 0 | 326784.66 | 0 | 0 |
| L20, | 203342.5 | 0 | 0 | 521178.91 | 0 | 0 |
| L21, | 0 | 0 | 0 | 0 | 0 | 0 |
| L22, | 79827.911 | 0 | 0 | 149975.99 | 0 | 0 |
| L23, | 66364.275 | 0 | 0 | 816769.78 | 0 | 0 |
| L24, | 86234.248 | 0 | 0 | 266536.61 | 0 | 0 |
| L25, | 375330.75 | 0 | 203682.78 | 1044817.1 | 0 | 0 |

附表七 (續) 權重

| DMU | V (1) | V (2) | V (3) | U (1) | U (2) | U (3) | U (4) | U (5) | U (6) |
|------|----------|----------|-----------|----------|----------|----------|----------|----------|----------|
| P1, | 0 | 1.77E-06 | 0 | 3.15E-07 | 3.43E-07 | 0 | 0 | 0 | 8.24E-08 |
| P2, | 6.89E-05 | 9.57E-07 | 0.0138738 | 1.11E-07 | 2.66E-07 | 4.26E-08 | 7.89E-09 | 2.86E-08 | 1.50E-07 |
| P3, | 1.86E-04 | 8.80E-07 | 0.0319236 | 4.62E-08 | 2.79E-07 | 8.56E-08 | 1.58E-08 | 5.74E-08 | 3.02E-07 |
| P4, | 0 | 1.66E-06 | 0 | 3.16E-08 | 3.16E-07 | 0 | 0 | 3.74E-07 | 1.54E-07 |
| P5, | 8.49E-05 | 1.26E-07 | 5.17E-03 | 2.47E-08 | 6.25E-08 | 8.17E-09 | 1.51E-09 | 5.49E-09 | 4.43E-08 |
| P6, | 1.47E-03 | 0 | 0 | 9.16E-08 | 1.87E-07 | 0 | 0 | 0 | 1.24E-07 |
| P7, | 0 | 1.14E-06 | 0 | 2.03E-07 | 2.21E-07 | 0 | 0 | 0 | 5.32E-08 |
| P8, | 5.19E-04 | 1.68E-07 | 0 | 0 | 9.66E-08 | 0 | 0 | 0 | 6.94E-08 |
| P9, | 1.93E-03 | 0 | 0 | 1.45E-07 | 2.36E-07 | 0 | 0 | 0 | 1.65E-07 |
| P10, | 8.10E-06 | 1.46E-06 | 1.63E-03 | 2.71E-09 | 2.86E-07 | 5.01E-09 | 9.28E-10 | 3.36E-09 | 1.52E-07 |
| P11, | 1.07E-03 | 3.47E-07 | 0 | 0 | 2.00E-07 | 9.43E-08 | 0 | 1.27E-07 | 1.44E-07 |
| P12, | 1.46E-03 | 0 | 0 | 9.09E-08 | 1.85E-07 | 0 | 0 | 2.33E-08 | 1.23E-07 |
| P13, | 3.70E-05 | 7.32E-07 | 0 | 0 | 1.43E-07 | 0 | 0 | 0 | 7.54E-08 |
| P14, | 0 | 1.64E-06 | 0 | 3.12E-08 | 3.12E-07 | 0 | 0 | 0 | 1.52E-07 |
| P15, | 0 | 1.06E-06 | 0 | 1.89E-07 | 2.25E-07 | 0 | 0 | 0 | 0 |
| P16, | 0 | 9.56E-07 | 2.17E-02 | 0 | 2.97E-07 | 0 | 0 | 0 | 2.21E-07 |
| P17, | 7.85E-05 | 1.09E-06 | 1.58E-02 | 1.26E-07 | 3.03E-07 | 4.86E-08 | 8.99E-09 | 3.26E-08 | 1.71E-07 |
| L1, | 8.75E-04 | 1.13E-06 | 0.0309035 | 2.06E-07 | 3.10E-07 | 9.50E-08 | 1.76E-08 | 6.37E-08 | 3.35E-07 |
| L2, | 9.87E-04 | 2.15E-07 | 1.15E-02 | 1.18E-07 | 1.15E-07 | 3.53E-08 | 6.54E-09 | 2.37E-08 | 1.25E-07 |
| L3, | 7.51E-05 | 5.30E-07 | 0 | 0 | 0 | 4.42E-08 | 0 | 1.10E-07 | 0 |
| L4, | 1.93E-04 | 1.03E-08 | 2.91E-03 | 4.82E-09 | 2.92E-08 | 8.93E-09 | 1.65E-09 | 5.99E-09 | 3.15E-08 |
| L5, | 1.09E-03 | 1.98E-07 | 0 | 1.46E-07 | 0 | 5.37E-08 | 0 | 0 | 0 |
| L6, | 1.73E-04 | 4.07E-08 | 1.74E-03 | 1.90E-08 | 1.75E-08 | 5.35E-09 | 9.90E-10 | 9.16E-09 | 1.89E-08 |
| L7, | 0 | 6.78E-08 | 0 | 1.21E-08 | 0 | 0 | 0 | 0 | 0 |
| L8, | 1.94E-04 | 7.47E-07 | 2.17E-02 | 3.60E-08 | 2.18E-07 | 6.68E-08 | 1.92E-08 | 4.48E-08 | 2.35E-07 |
| L9, | 2.82E-03 | 3.64E-07 | 2.65E-02 | 4.40E-08 | 2.66E-07 | 1.09E-07 | 1.51E-08 | 2.92E-07 | 2.87E-07 |
| L10, | 1.42E-04 | 4.72E-07 | 3.49E-03 | 5.79E-09 | 3.50E-08 | 3.27E-08 | 1.99E-09 | 1.09E-07 | 3.78E-08 |
| L11, | 4.30E-03 | 1.15E-06 | 0 | 0 | 0 | 3.41E-07 | 0 | 4.96E-07 | 0 |
| L12, | 9.48E-05 | 1.98E-06 | 1.91E-02 | 3.17E-08 | 1.91E-07 | 2.01E-07 | 1.09E-08 | 2.37E-07 | 2.07E-07 |
| L13, | 2.84E-03 | 3.74E-07 | 0 | 0 | 0 | 9.22E-08 | 3.32E-08 | 3.01E-07 | 0 |
| L14, | 1.90E-04 | 1.34E-06 | 0 | 0 | 0 | 1.12E-07 | 0 | 2.79E-07 | 0 |
| L15, | 3.24E-04 | 2.29E-06 | 0 | 0 | 0 | 1.91E-07 | 0 | 4.77E-07 | 0 |
| L16, | 4.43E-03 | 2.85E-07 | 0 | 0 | 0 | 2.23E-07 | 2.12E-08 | 3.52E-07 | 0 |
| L17, | 3.58E-04 | 1.64E-08 | 0 | 0 | 0 | 0 | 0 | 4.29E-08 | 0 |
| L18, | 2.79E-03 | 2.22E-07 | 0 | 0 | 0 | 0 | 1.10E-08 | 3.49E-07 | 0 |
| L19, | 0 | 6.92E-06 | 0 | 0 | 0 | 6.14E-07 | 0 | 1.14E-06 | 0 |
| L20, | 1.16E-04 | 4.79E-06 | 0 | 0 | 0 | 7.45E-08 | 0 | 1.16E-06 | 0 |
| L21, | 2.94E-03 | 1.70E-07 | 4.30E-02 | 7.14E-08 | 4.32E-07 | 1.59E-07 | 2.45E-08 | 8.87E-08 | 4.66E-07 |
| L22, | 1.20E-03 | 2.30E-06 | 0 | 0 | 0 | 1.20E-07 | 0 | 6.53E-07 | 0 |
| L23, | 2.98E-04 | 2.10E-06 | 0 | 0 | 0 | 1.75E-07 | 0 | 4.38E-07 | 0 |
| L24, | 0 | 4.21E-06 | 0 | 0 | 0 | 3.74E-07 | 0 | 6.94E-07 | 0 |
| L25, | 0 | 7.44E-06 | 0 | 0 | 0 | 0 | 0 | 1.84E-06 | 0 |

附表七（續）參考集合與規模報酬

| DMU | Reference set (lambda) 參考集合 | | | | | | | RTS | RTS of Projected DMU |
|------|-----------------------------|-----------|------|-----------|------|-----------|----------------|------------|----------------------|
| P1, | P2, | 0.6454136 | P17, | 5.27E-02 | L1, | 6.18E-02 | | Increasing | |
| P2, | P2, | 1 | | | | | Constant | | |
| P3, | P3, | 1 | | | | | Constant | | |
| P4, | P2, | 0.3529926 | P10, | 0.3290844 | P17, | 9.18E-02 | | Increasing | |
| P5, | P5, | 1 | | | | | Constant | | |
| P6, | P2, | 0.1334697 | P3, | 0.6144142 | P17, | 0.5923257 | | Constant | |
| P7, | P2, | 0.9020979 | P17, | 0.1893122 | L1, | 3.69E-02 | | Constant | |
| P8, | P2, | 1.169131 | P3, | 0.7601848 | P17, | 6.01E-02 | | Constant | |
| P9, | P2, | 0.2218135 | P3, | 0.6450585 | L4, | 8.44E-04 | | Increasing | |
| P10, | P10, | 1 | | | | | Constant | | |
| P11, | P2, | 0.229256 | P3, | 0.1758527 | P17, | 0.506805 | | Increasing | |
| P12, | P2, | 0.3376372 | P3, | 1.1444903 | P17, | 4.62E-02 | | Decreasing | |
| P13, | P2, | 0.2151114 | P10, | 0.4586643 | P17, | 1.0743933 | | Decreasing | |
| P14, | P2, | 0.1298436 | P10, | 0.3097772 | P17, | 0.3438169 | | Increasing | |
| P15, | P17, | 1.3617507 | L1, | 3.78E-02 | | | | Decreasing | |
| P16, | P2, | 0.1470727 | P3, | 0.8110097 | P17, | 0.115774 | | Constant | |
| P17, | P17, | 1 | | | | | Constant | | |
| L1, | L1, | 1 | | | | | Constant | | |
| L2, | L2, | 1 | | | | | Constant | | |
| L3, | L1, | 0.4192745 | L8, | 0.3890383 | L10, | 0.1900859 | | Constant | |
| L4, | L4, | 1 | | | | | Constant | | |
| L5, | L2, | 0.4712355 | L4, | 1.45E-02 | L8, | 0.2661083 | | Increasing | |
| L6, | L6, | 1 | | | | | Constant | | |
| L7, | L1, | 10.866319 | | | | | | Constant | |
| L8, | L8, | 1 | | | | | Constant | | |
| L9, | L9, | 1 | | | | | Constant | | |
| L10, | L10, | 1 | | | | | Constant | | |
| L11, | L8, | 7.68E-02 | L9, | 7.16E-02 | L21, | 6.76E-02 | | Increasing | |
| L12, | L12, | 1 | | | | | Constant | | |
| L13, | L4, | 2.32E-03 | L6, | 3.20E-02 | L8, | 6.22E-02 | L9, 0.1600706 | Increasing | |
| L14, | L1, | 0.0728281 | L8, | 0.1445409 | L10, | 6.78E-02 | | Increasing | |
| L15, | L1, | 4.16E-03 | L8, | 0.1888543 | L10, | 1.87E-02 | | Increasing | |
| L16, | L4, | 8.57E-03 | L8, | 2.69E-02 | L9, | 4.23E-02 | L21, 0.1047641 | Increasing | |
| L17, | L4, | 0.1599564 | L9, | 5.7641868 | | | | Decreasing | |
| L18, | L4, | 7.40E-03 | L6, | 1.35E-02 | L9, | 0.4346105 | | Increasing | |
| L19, | L1, | 7.86E-02 | L12, | 4.33E-04 | | | | Increasing | |
| L20, | L1, | 5.60E-03 | L6, | 7.62E-03 | L10, | 1.44E-02 | | Increasing | |
| L21, | L21, | 1 | | | | | Constant | | |
| L22, | L6, | 9.02E-03 | L9, | 4.68E-02 | L10, | 1.68E-02 | | Increasing | |
| L23, | L1, | 3.57E-02 | L8, | 4.03E-02 | L10, | 2.01E-02 | | Increasing | |
| L24, | L1, | 2.12E-02 | L12, | 0.3084762 | | | | Increasing | |
| L25, | L6, | 0.0136901 | | | | | | Increasing | |

附表九 壽險產險個別最佳化再混合整合初始比較表

| No. | | DMU | Score | Reference set (lambda) 參考集合與參考權重 | | | | | | | |
|--------|----|--------------|-----------|----------------------------------|-----------|------|-----------|----------|-----------|----------|-----------|
| 產 險 | 1 | P1, | 1 | P1, | 1 | | | | | | |
| | 2 | P4, | 0.9812334 | P1, | 0.2671519 | P16, | 0.4072816 | P17,P14, | 0.1571255 | | |
| | 3 | P6, | 0.9438102 | P12, | 0.5274721 | P15, | 0.3916525 | | | | |
| | 4 | P7, | 0.9924907 | P1, | 3.22E-02 | P16, | 0.0858189 | P5,P8, | 0.1095021 | P17,P14, | 0.2322704 |
| | 5 | P12, | 1 | P12, | 1 | | | | | | |
| | 6 | P13, | 0.9377501 | P12, | 9.40E-02 | P16, | 0.1292192 | P17,P14, | 0.868714 | | |
| | 7 | P15, | 1 | P15, | 1 | | | | | | |
| | 8 | P16, | 1 | P16, | 1 | | | | | | |
| | 9 | P5,P8, | 1 | P5,P8, | 1 | | | | | | |
| | 10 | P2,P9, | 0.995403 | P12, | 0.743912 | P15, | 2.58E-02 | P5,P8, | 0.102573 | P17,P14, | 0.1265335 |
| | 11 | P17,P14, | 1 | P17,P14, | 1 | | | | | | |
| | 12 | P10,P3,P11, | 0.9982931 | P12, | 0.7254213 | P16, | 1.2276874 | P17,P14, | 0.4120585 | | |
| No. | | DMU | Score | Reference set (lambda) | | | | | | | |
| 壽 險 | 1 | L1, | 1 | L1, | 1 | | | | | | |
| | 2 | L2, | 1 | L2, | 1 | | | | | | |
| | 3 | L5, | 1 | L5, | 1 | | | | | | |
| | 4 | L9, | 1 | L9, | 1 | | | | | | |
| | 5 | L10, | 1 | L10, | 1 | | | | | | |
| | 6 | L11, | 0.9653172 | L9, | 0.3629346 | L15, | 0.1876989 | L24, | 7.02E-03 | | |
| | 7 | L13, | 1 | L13, | 1 | | | | | | |
| | 8 | L15, | 1 | L15, | 1 | | | | | | |
| | 9 | L16, | 0.9211391 | L2, | 0.0868721 | L9, | 0.3758875 | | | | |
| | 10 | L17, | 1 | L17, | 1 | | | | | | |
| | 11 | L24, | 1 | L24, | 1 | | | | | | |
| | 12 | L25,L18,L12, | 0.690663 | L2, | 20.357887 | L13, | 17.48712 | | | | |

附表九 (續) 壽險產險個別最佳化再混合整合初始比較表

| No. | DMU | Score | Reference set (lambda) 參考集合與參考權重 | | | | | | | | |
|----------|-----|--------------|----------------------------------|----------|-----------|------|-----------|----------|-----------|----------|-----------|
| 混合 考慮 | 1 | P1, | 1 | P1, | 1 | | | | | | |
| | 2 | P4, | 0.9812334 | P1, | 0.2671519 | P16, | 0.4072816 | P17,P14, | 0.1571255 | | |
| | 3 | P6, | 0.9438102 | P12, | 0.5274721 | P15, | 0.3916525 | | | | |
| | 4 | P7, | 0.9920787 | P1, | 1.76E-02 | P16, | 0.4908732 | P17,P14, | 0.4026525 | L1, | 0.14944 |
| | 5 | P12, | 1 | P12, | 1 | | | | | | |
| | 6 | P13, | 0.9377501 | P12, | 9.40E-02 | P16, | 0.1292192 | P17,P14, | 0.868714 | | |
| | 7 | P15, | 1 | P15, | 1 | | | | | | |
| | 8 | P16, | 1 | P16, | 1 | | | | | | |
| | 9 | P5,P8, | 1 | P5,P8, | 1 | | | | | | |
| | 10 | P2,P9, | 0.995403 | P12, | 0.743912 | P15, | 0.0257648 | P5,P8, | 0.102573 | P17,P14, | 0.1265335 |
| | 11 | P17,P14, | 1 | P17,P14, | 1 | | | | | | |
| | 12 | P10,P3,P11, | 0.9982931 | P12, | 0.7254213 | P16, | 1.2276874 | P17,P14, | 0.4120585 | | |
| | 13 | L1, | 1 | L1, | 1 | | | | | | |
| | 14 | L2, | 1 | L2, | 1 | | | | | | |
| | 15 | L5, | 1 | L5, | 1 | | | | | | |
| | 16 | L9, | 1 | L9, | 1 | | | | | | |
| | 17 | L10, | 1 | L10, | 1 | | | | | | |
| | 18 | L11, | 0.9653172 | L9, | 0.3629346 | L15, | 0.1876989 | L24, | 7.02E-03 | | |
| | 19 | L13, | 1 | L13, | 1 | | | | | | |
| | 20 | L15, | 1 | L15, | 1 | | | | | | |
| | 21 | L16, | 0.9211391 | L2, | 8.69E-02 | L9, | 0.3758875 | | | | |
| | 22 | L17, | 1 | L17, | 1 | | | | | | |
| | 23 | L24, | 1 | L24, | 1 | | | | | | |
| | 24 | L25,L18,L12, | 0.690663 | L2, | 20.357887 | L13, | 17.48712 | | | | |