**PBC 商管程式設計作業一**

**第一題**

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| --- | --- | --- |
| 題號 | input | output |
| sample a | 5  60  7  30  1000 | $490 |
| sample b | 10  75  10  25  1000 | $0 |
| sample c | 19  80  3  40  500 | -1 |
| 1 | 15  0  10  100  1000 | $0 |
| 2 | 20  100  20  100  1000 | -1 |
| 3 | 0  100  0  100  1000 | $1000 |
| 4 | 5  50  8  70  1000 | $190 |
| 5 | 11  17  13  37  1000 | $332 |
| 6 | 3  50  2  100  500 | $150 |
| 7 | 10  0  20  0  500 | $500 |
| 8 | 7  25  8  30  500 | $85 |
| 9 | 18  33  6  99  500 | -1 |
| 10 | 1  23  11  31  500 | $136 |

**第二題**

|  |  |  |
| --- | --- | --- |
| 題號 | input | output |
| sample a | 5  60  7  30  1000  15 | 3,$490 |
| sample b | 10  75  10  25  1000  15 | -1,$0 |
| sample c | 19  80  3  40  500  12 | -1,-2 |
| 1 | 15  0  10  100  1000  31 | 6,$0 |
| 2 | 20  100  20  100  1000  40 | 0,-2 |
| 3 | 0  100  0  100  1000  20 | 20,$1000 |
| 4 | 5  50  8  70  1000  5 | -1,$190 |
| 5 | 11  17  13  37  1000  25 | 1,$332 |
| 6 | 4  50  3  100  500  7 | 0,$0 |
| 7 | 10  0  20  0  500  40 | 10,$500 |
| 8 | 7  25  8  30  500  15 | 0,$85 |
| 9 | 18  33  6  99  500  30 | 6,-2 |
| 10 | 1  23  11  31  500  17 | 5,$136 |

**第三題**

|  |  |  |
| --- | --- | --- |
| 題號 | input | output |
| sample a | 5  60  7  30  1000  15 | 3,$490 |
| sample b | 19  80  3  40  500  30 | 8, |
| sample c | 10  75  10  25  1000  10 | $0 |
| 1 | 15  0  10  100  1000  31 | 6,$0 |
| 2 | 20  100  20  100  1000  40 | 0, |
| 3 | 0  100  0  100  1000  20 | 20,$1000 |
| 4 | 5  50  8  70  1000  5 | $190 |
| 5 | 11  17  13  37  1000  25 | 1,$332 |
| 6 | 4  50  3  100  500  7 | 0,$0 |
| 7 | 10  0  20  0  500  40 | 10,$500 |
| 8 | 7  25  8  30  500  15 | 0,$85 |
| 9 | 18  33  6  99  500  30 | 6, |
| 10 | 1  23  11  31  500  17 | 5,$136 |

**第四題**

|  |  |  |
| --- | --- | --- |
| 題號 | input | output |
| sample a | 13  22  21  0.6 | 0.00  I wouldn't go out with you. |
| sample b | 13  22  8  0.6 | 0.67  Let's go together. |
| 1 | 35  19  15  0.11 | 0.11  Let's go together. |
| 2 | 35  21  7  0.67 | 0.67  I wouldn't go out with you. |
| 3 | 100  80  65  0.5 | 0.00  I wouldn't go out with you. |
| 4 | 42  10  2  0.2 | 0.33  Let's go together. |
| 5 | 2  20  18  0.0 | 0.00  Let's go together. |
| 6 | 0  20  0  1.0 | 0.92  I wouldn't go out with you. |
| 7 | 71  31  31  0.0 | 0.00  Let's go together. |
| 8 | 15  40  21  0.88 | 0.88  I wouldn't go out with you. |
| 9 | 60  23  15  0.21 | 0.20  I wouldn't go out with you. |
| 10 | 5  17  0  0.4 | 0.79  Let's go together. |