**第一題：**

|  |  |  |
| --- | --- | --- |
|  | 輸入 | 輸出 |
| 1 | 3  8 4  18 17  19 17 | 120  1166803110  2203961430 |
| 2 | 4  1 15  13 19  20 15  11 15 | 1  86493225  818809200  1961256 |
| 3 | 2  20 19  20 1 | 17672631900  1 |
| 4 | 2  20 20  19 2 | 35345263800  19 |

**第二題：**

|  |  |  |
| --- | --- | --- |
|  | 輸入 | 輸出 |
| 1 | 4  3  6  8  9 | 400  228484  20268004  202208400 |
| 2 | 3  2  9  10 | 64  202208400  2006860804 |
| 3 | 3  10  8  7 | 2006860804  20268004  2022084 |
| 4 | 2  6  10 | 228484  2006860804 |

**第三題：**

|  |  |
| --- | --- |
|  |  |
| 1 | 輸入:  {MERRY,332455,Year,RAEY,998878382,CHRISTMAS,WEN,2341231,AND,YPPAH}  輸出:  {YRREM,332455,Year,998878382,SAMTSIRHC,NEW,2341231,DNA,HAPPY} |
| 2 | 輸入:  {ASUS,21030823,741880398,109817721,343716371,695829639,892042827,WDRLRMS,  856106715,MUPHYSVL,137260659,673791759,910519103,819845926,WJQ}  輸出:  {SUSA,21030823,741880398,109817721,343716371,695829639,892042827,SMRLRDW,  856106715,LVSYHPUM,137260659,673791759,910519103,819845926,QJW} |
| 3 | 輸入:  {CCZUYIVZ,AFA,525075521,117717422,RFPLFPTIM,159817671,GUK,RAZUQSMNXT,SNMNQDTVR,  B,TZSCEDE,478872328,430419146,900848734,778584584,AYZV,274585896,VZRUB,DNOCJCHB,  722721666,376893093,278325922}  輸出:  {ZVIYUZCC,AFA,525075521,117717422,MITPFLPFR,159817671,KUG,TXNMSQUZAR,RVTDQNMNS,  B,EDECSZT,478872328,430419146,900848734,778584584,VZYA,274585896,BURZV,BHCJCOND,  722721666,376893093,278325922} |
| 4 | 輸入:  {167713710,638319196,K,SHCGNMWSW,CYN,SXTJGSZOQK,545134499,BUFPGWBGC,HVVZAJV,  MOCFR,380414017,177808514,440798841,480469645,384971598,310714850,HYTEEBI,  EPIBFFGOJI,995567457,NFVUF}  輸出:  {167713710,638319196,K,WSWMNGCHS,NYC,KQOZSGJTXS,545134499,CGBWGPFUB,VJAZVVH,  RFCOM,380414017,177808514,440798841,480469645,384971598,310714850,IBEETYH,  IJOGFFBIPE,995567457,FUVFN} |

**第四題：**

|  |  |  |
| --- | --- | --- |
|  | 輸入 | 輸出 |
| 1 | 112 848 | 1 94976  2 23744  4 5936  8 1484  16 371 |
| 2 | 385 44 | 1 16940  11 140 |
| 3 | 180 90 | 1 16200  2 4050  3 1800  5 648  6 450  9 200  10 162  15 72  18 50  30 18  45 8  90 2 |
| 4 | 30 40 | 1 1200  2 300  5 48  10 12 |

**第五題：**

|  |  |  |
| --- | --- | --- |
|  | 輸入 | 輸出 |
| 1 | 1  (7104,((2,3,+),((9,5,-),8,\*),+),/) | 192 |
| 2 | 2  ((1,9,\*),(9,3,+),\*)  (((1,1,\*),6,+),8,\*) | 108  56 |
| 3 | 4  (1000,((60,((9,10,\*),50,+),\*),8400,-),/)  ((2,((9,3,/),8,+),\*),4,-)  (80,(15,(30,((68,(9,7,\*),-),5,\*),-),+),/)  (1,2,3) | -1  18  4  -1 |
| 4 | 3  (((((((100,100,/),1,-),999,\*),555,/),50,+),25,\*),5,/)  ((1,((7,(11,13,\*),\*),1001,/),-),1000,/)  ((133,2,+),15,/) | 250  0  9 |