Sample output when the following `matrix.txt` file was used:

```
2 2 1 2 3 4
2 2 1 1 -1 -2
3
2 3 4 2 2 1 1 3
```

```
A =
        1       2
        3       4
B =
        1       1
        -1      -2
c = 3
D =
        4       2       2
        1       1       3
A + B =
        2       3
        2       2
A - B =
        0       1
        4       6
c A =
        3       6
        9       12
A dot D =
        6       4       8
        16      10      18
```

In order to show the exact spacing on the output lines, each space is replaced with an @ symbol and each tab with a \t :

```
A@=
\t1\t2
\t3\t4
B@=
\t1\t1
\t-1\t-2
c@=@3
D@=
\t4\t2\t2
\t1\t1\t3
A@+@B@=
\t2\t3
\t2\t2
A@-@B@=
\t0\t1
\t4\t6
c@A@=
\t3\t6
\t9\t12
A@dot@D@=@
\t6\t4\t8
\t16\t10\t18
```

Sample output when the following matrix.txt file was used:

```
4 2 1 2 3 4 5 6 7 8
4 2 1 1 -1 -2 34 24 25 -67
6
2 5 4 2 2 1 1 3 68 21 -1 0
```

```
A =
        1       2
        3       4
        5       6
        7       8
B =
        1       1
        -1      -2
        34      24
        25      -67
c = 6
D =
        4       2       2       1       1
        3       68      21      -1      0
A + B =
        2       3
        2       2
        39      30
        32      -59
A - B =
        0       1
        4       6
        -29     -18
        -18     75
c A =
        6       12
        18      24
        30      36
        42      48
A dot D =
        10      138     44      -1      1
        24      278     90      -1      3
        38      418     136     -1      5
        52      558     182     -1      7
```

In order to show the exact spacing on the output lines, each space is replaced with an @ symbol and each tab with a \t :

```
A@=
\t1\t2
\t3\t4
\t5\t6
\t7\t8
B@=
\t1\t1
\t-1\t-2
\t34\t24
\t25\t-67
c@=@6
D@=
\t4\t2\t2\t1\t1
\t3\t68\t21\t-1\t0
A@+@B@=
\t2\t3
\t2\t2
\t39\t30
\t32\t-59
A@-@B@=
\t0\t1
\t4\t6
\t-29\t-18
\t-18\t75
c@A@=
\t6\t12
\t18\t24
\t30\t36
\t42\t48
A@dot@D@=@
\t10\t138\t44\t-1\t1
\t24\t278\t90\t-1\t3
```