Problem 7

The Prime Magic Square

A	B	C
D	E	F
G	H	I

2	4	5
8	6	9
7	1	3

- A,B,C,D,E,F,G,H,I are **distinct integers** from 1 to 9.
- A+B+C, D+E+F, G+H+I, A+D+G, B+E+H, C+F+I, A+E+I are **prime numbers**.
- But C+E+G **need not** be a prime number.

2 3 5 7 11 13 17 19 23 29 31 37 41 43 47 53 59 61 67 71 73 79 83 89 97 101 103 107 109 113 127 131 137 139 149 151 157 163 167 173 179 181 191 193 197 199

Problem 7

Find a **prime magic square** with B=7, G=3, H=2, I=6.

A	7	C
D	E	F
3	2	6

2 3 5 7 11 13 17 19 23 29 31 37 41 43 47 53 59 61 67 71 73 79 83 89 97 101 103 107 109 113 127 131 137 139 149 151 157 163 167 173 179 181 191 193 197 199

Problem 7

Problems

1	B	3
D	2	F
7	H	4

A	9	8
D	1	F
G	H	I

- Enjoy playing with prime numbers!