5.

273	136	68	34	17	8	4	2	1
1	0	0	0	1	0	0	0	1

answer: 1 0 0 0 1 0 0 0 1

1327	663	331	165	82	41	20	10	5	2	1
1	1	1	1	0	1	0	0	1	0	1

answer: 1 0 1 0 0 1 0 1 1 1 1

31673	15836	7918	3959	1979	989	494	247	123	61	30	15	7	3	1
1	0	0	1	1	1	0	1	1	1	0	1	1	1	1

answer: 1 1 1 1 0 1 1 0 1 1 1 0 0 1

107	53	26	13	6	3	1
1	1	0	1	0	1	1

answer: 1 1 0 1 0 1 1

6.

$$233 + 78$$
1
$$\overline{}$$

$$1001 + 97$$
1
$$\overline{99}$$

$$173 + 876$$
1
$$\overline{50}$$

$$2780 + 822$$
1
$$\overline{2603}$$

7.

111	55	27	13	6	3	1
1	1	1	1	0	1	1

Flip & add 1

1 1 0 1 1 1 1
0 0 1 0 0 0 1

add sign & extend to 8 bits

answer: 1 0 0 1 0 0 0 1

59	29	14	7	3	1
1	1	0	1	1	1

Flip & add 1

1 1 1 0 1 1
0 0 0 1 0 1

add sign & extend to 8 bits

answer: 1 1 0 0 0 1 0 1

105	52	26	13	6	3	1
1	0	0	1	0	1	1

Flip & add 1

1 1 0 1 0 0 1
0 0 1 0 1 1 1

add sign & extend to 8 bits

answer: 1 0 0 1 0 1 1 1

31	15	7	3	1
1	1	1	1	1

answer: 0 0 0 1 1 1 1 1

127	63	31	15	7	3	1
1	1	1	1	1	1	1

answer: 0 1 1 1 1 1 1 1