



Now let's do a couple more.  $A = 3F80$ ,  $B = 3BA0$ .

- a. Write out B in line 2.
- b. Which number (A or B) is to be shifted? Right or Left?
- c. By how much?
- d. Show the result of this shift in line 3 (fractional part only).
- e. Now we need to do which of the following?
  1. Add the shifted fractional part to the unshifted one
  2. subtract the unshifted one from the shifted one,
  3. subtract the shifted one from the unshifted one.
- f. Do this and show the partial result (just the fractional part) on line 4.
- g. Normalize back as needed and write the final answer with the appropriate exponent and sign in line 5.

A	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0
B																
Shifted A or B																
Sum/Diff																
Result																

Now  $A = F38F$ ,  $B = 7380$ .

- a. Write out B in line 2.
- b. Which number (A or B) is to be shifted? Right or Left?
- c. By how much?
- d. Show the result of this shift in line 3 (fractional part only).
- e. Now we need to do which of the following?
  1. Add the shifted fractional part to the unshifted one
  2. subtract the unshifted one from the shifted one,
  3. subtract the shifted one from the unshifted one.
- f. Do this and show the partial result (just the fractional part) on line 4.
- g. Normalize back as needed and write the final answer with the appropriate exponent and sign in line 5.

A	1	1	1	1	0	0	1	1	1	0	0	0	1	1	1	1
B																
Shifted A or B																
Sum/Diff																
Result																