Problem: Find the midpoint of a given line.

Sample:

Input	Output

`2/1 2/1 6/1 6/1`
`0/1 5/2 0/1 3/2`
	`4/1 4/1`
	`0/1 4/2`
	`(no need to show in reduced format)`

Steps:

1. Define a structure `Fraction` with two attribute **`NUMERATOR`** and **`DENOMINATOR`.**
2. Define a function `Fraction addFraction(Fraction a, Fraction b)` that will return another fraction that is sum of fraction a and fraction b.
3. Define a function `Fraction divFraction(Fraction a, int n)` that will return a fraction after dividing by n.
4. Define a structure `Point` with two attribute x & y, where both are Fraction.
5. Define a structure `Line` with two attribute start & end, where both are Point.
6. Define a function `Point midPoint(Line p)` that will return mid point of the line p. Use the functions you defined in step 2 & 3.
7. **Bonus:** Take the input from a file and write the output in another file.

```
// following code reads an integer from "in.txt" and write it
// in file out.txt.

FILE *fpr = fopen("in.txt", "r");
FILE *fpw = fopen("out.txt", "w");
int n;
fscanf(fpr, "%d", &n);
fprintf(fpw, "%d",n);
```

8.