No: Date: / /

*Fraction to Recurring Decimal

-2^{31} to $2^{31}-1$ → numerator
→ denominator

$\frac{(-)}{(-)} \Rightarrow (+)$ $\frac{(-)}{(+)} \Rightarrow (-)$ $\frac{(+)}{(-)} \Rightarrow (-)$ $\frac{(+)}{(+)} \Rightarrow (+)$

have to convert both numerator & denominator to long as

Integer.Max_Value < abs(Integer.minVal

then take abs value.

to check both $\frac{(-)}{(+)}$ & $\frac{(+)}{(-)}$, we can take xor (^),

∴ (numerator<0) ^ (denominator<0)

& append (-) value to returning String.

If remainder ≠ 0, ~~add~~ append (.).

Use Map to track the place to add "(" in String.