

Assignment tips


- fraction simplification
 - implement easy reduction rules first

- example `do_add` in `examples/c++/fractions/sfract.cc`
 - see if you can write `do_sub` using similar rules

- now try implementing `do_mult`
 - and now `do_div`

- read the comments to `do_add` and see the rules employed

Hints



$x + 0 \rightarrow x$
 $0 + x \rightarrow x$
 $x + x \rightarrow 2 * x$

$x - 0 \rightarrow x$
 $0 - x \rightarrow x$
 $x - x \rightarrow 0$

Hints

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```
x * 1 -> x
x * 0 -> 0
1 * x -> x
0 * x -> 0
x * x -> x^2

etc for /
```