1 RPN Encoding

1.1 Nice Functions

$x\ y\ + = x + y$	$x\ y\ - = x - y$	$x\ y\ * = x \times y$
$x\ y\ / = \frac{x}{y}$	$x\ y\ \hat{} = x^y$	
$x\ y\ \mathrm{b} = \log_y x$	$x\ \mathrm{l} = \ln(x)$	$x\ \mathrm{a} = \lvert x \rvert$

1.2 Trig Functions

$x\ \mathrm{s} = \sin(x)$	$x\ \mathrm{c} = \cos(x)$	$x\ \mathrm{t} = \tan(x)$
$x\ \mathrm{u} = \arcsin(x)$	$x\ \mathrm{v} = \arccos(x)$	$x\ \mathrm{w} = \arctan(x)$
$x\ \mathrm{p} = \sec(x)$	$x\ \mathrm{q} = \csc(x)$	$x\ \mathrm{r} = \cot(x)$
$x\ \mathrm{d} = \mathrm{arcsec}(x)$	$x\ \mathrm{e} = \mathrm{arccsc}(x)$	$x\ \mathrm{f} = \mathrm{arccot}(x)$
$x\ \mathrm{h} = \sinh(x)$	$x\ \mathrm{i} = \cosh(x)$	$x\ \mathrm{j} = \tanh(x)$
$x\ \mathrm{m} = \mathrm{arcsech}(x)$	$x\ \mathrm{n} = \mathrm{arccoth}(x)$	$x\ \mathrm{o} = \mathrm{arccsch}(x)$
$x\ \mathrm{g} = \mathrm{sech}(x)$	$x\ \mathrm{k} = \mathrm{csch}(x)$	$x\ \mathrm{z} = \coth(x)$
$x\ \mathrm{A} = \mathrm{arcsec}(x)$	$x\ \mathrm{B} = \mathrm{arccsc}(x)$	$x\ \mathrm{C} = \mathrm{arccot}(x)$

2 Requirements

- The RPN expression must have every argument separated by one space.
- The RPN expression must have a trailing space.