

```
library(texblocks)
library(texPreview)
```

```
x <- '$\\alpha$'
y <- 'cindy'
class(x) <- 'tb'
class(y) <- 'tb'
```

```
x1 <- x+y+x
x1
#> $\alpha$cindy\alpha$

x1 + x1
#> $\alpha$cindy$\alpha$\alpha$cindy\alpha$
x1 / x1
#> $\alpha$cindy$\alpha$\\
#> $\alpha$cindy$\alpha$
x1 - x1
#> $\alpha$cindy$\alpha$\\ \hline
#> $\alpha$cindy$\alpha$
```

```
x2 <- x1 / x1
x2 + x2
#> $\alpha$cindy$\alpha$\alpha$cindy\alpha$\\
#> $\alpha$cindy$\alpha$\alpha$cindy\alpha$
```

```
x3 <- x2/x2
x2 + x3
#> $\alpha$cindy$\alpha$\alpha$cindy\alpha$\\
#> $\alpha$cindy$\alpha$\alpha$cindy\alpha$\\
#> \alpha\alpha\alpha$\alpha$cindy$\alpha$\\
#> \alpha\alpha\alpha$\alpha$cindy$\alpha$
```

```
as.data.frame( x2 + x3 )
#> # A tibble: 4 x 7
#>   `1`      `2`      `3`      `4`      `5`      `6`      r
#>   <chr>    <chr> <chr>    <chr>    <chr> <chr>    <int>
#> 1 "$\\alpha$" cindy "$\\alpha$" "$\\alpha$" cindy "$\\alpha$" 1
#> 2 "$\\alpha$" cindy "$\\alpha$" "$\\alpha$" cindy "$\\alpha$" 2
#> 3 ""         ""      ""      "$\\alpha$" cindy "$\\alpha$" 3
#> 4 ""         ""      ""      "$\\alpha$" cindy "$\\alpha$" 4
```

```
texblocks::tabular( x2 + x3,align = 'c|c|c|c|c|c')
#> \begin{tabular}{c|c|c|c|c|c}
#> $\alpha$cindy$\alpha$\alpha$cindy\alpha$\\
#> $\alpha$cindy$\alpha$\alpha$cindy\alpha$\\
#> \alpha\alpha\alpha$\alpha$cindy$\alpha$\\
#> \alpha\alpha\alpha$\alpha$cindy$\alpha$
#> \end{tabular}
```

Compiled

```
texPreview::texPreview(tabular(x1 , 'c|c|c'), stem = "tb1")
```

α	cindy	α
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```
texPreview::texPreview(tabular(x2 , 'c|c|c'), stem = "tb2")
```

α	cindy	α
α	cindy	α

```
texPreview::texPreview(tabular(x3 , 'c|c|c'), stem = "tb3")
```

α	cindy	α
α	cindy	α
α	cindy	α
α	cindy	α

```
texPreview::texPreview(tabular(x2-x2 , 'c|c|c'), stem = "tb4")
```

α	cindy	α
α	cindy	α
α	cindy	α
α	cindy	α

```
texPreview::texPreview(tabular(x2 + x3 , 'c|c|c|c|c|c'), stem = "tb5")
```

α	cindy	α	α	cindy	α
α	cindy	α	α	cindy	α
			α	cindy	α
			α	cindy	α

```
texPreview::texPreview(tabular(x3 + x3, 'c|c|c|c|c|c'), stem = "tb6")
```

α	cindy	α	α	cindy	α
α	cindy	α	α	cindy	α
α	cindy	α	α	cindy	α
α	cindy	α	α	cindy	α

```
texPreview::texPreview(tabular((x1+x1)-(x3 + x3)/(x3 + x3) , '|c|ccccc'), stem = "tb7")
```

α	cindy	α	α	cindy	α
α	cindy	α	α	cindy	α
α	cindy	α	α	cindy	α
α	cindy	α	α	cindy	α
α	cindy	α	α	cindy	α
α	cindy	α	α	cindy	α
α	cindy	α	α	cindy	α
α	cindy	α	α	cindy	α
α	cindy	α	α	cindy	α