

R Notebook

```
library(tidyverse)
```

testing expand

```
rm(x)
```

```
rm(y)
```

```
xg=tibble(g=c("a","b"),x=c(4,5),y=c(6,7))
```

```
xg
```

```
# A tibble: 2 x 3
```

	g	x	y
	<chr>	<dbl>	<dbl>
1	a	4	6
2	b	5	7

and then

```
xg %>% expand(x,y)
```

```
# A tibble: 4 x 2
```

	x	y
	<dbl>	<dbl>