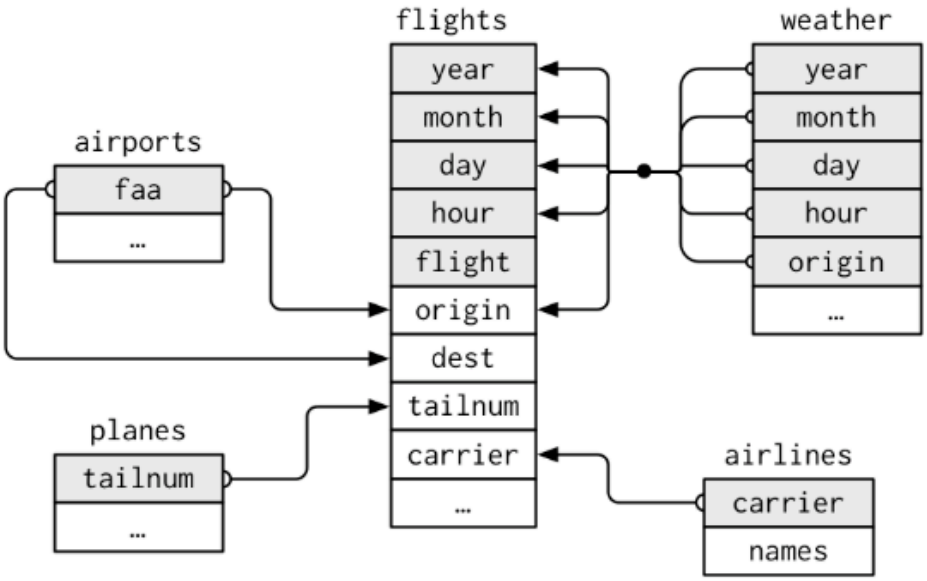
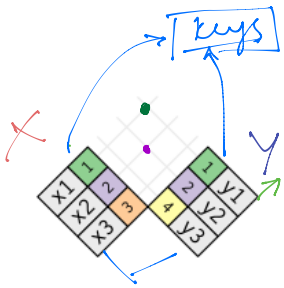

flights
year
month
day
hour
flight
origin
dest
tailnum
carrier
…
weather
year
month
day
hour
origin
…
airports
faa
…
planes
tailnum
…
airlines
carrier
names

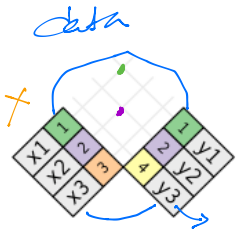


df/tibbles

```
left_join(x, y, by = "key") =>
```

key	x_col	y_col
1	x_1	y_1
2	x_2	y_2
3	x_3	NA

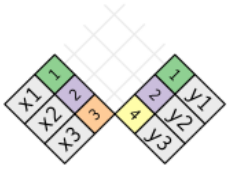
return all rows from `x`, and all columns from `x` and `y`. Rows in `x` with no match in `y` will have `NA` values in the new columns. If there are multiple matches between `x` and `y`, all combinations of the matches are returned.




```
full_join( ) =>
```

x	x_col	y_col
1	x_1	y_1
2	x_2	y_2
3	x_3	NA
4	NA	y_3

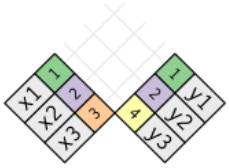
return all rows and all columns from both `x` and `y`. Where there are not matching values, returns `NA` for the one missing.

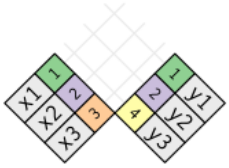


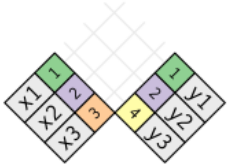

```
inner_join( ) =>
```

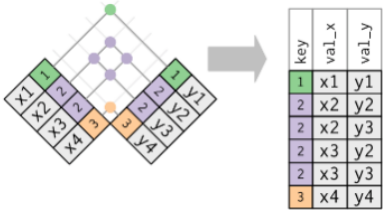
key	x_col	y_col
1	x_1	y_1
2	x_2	y_2

return all rows from `x` where there are matching values in `y`, and all columns from `x` and `y`. If there are multiple matches between `x` and `y`, all combination of the matches are returned.









key	val_x	val_y
1	x1	y1
2	x2	y2
2	x2	y3
2	x3	y2
2	x3	y3
3	x4	y4