

Making sense of the Marvel Universe

```
> characters %>%  
+   pull(Allies) %>%  
+   set_names(characters$id) %>%  
+   as_tbl_graph()  
# A tbl_graph: 475 nodes and 1287 edges  
#  
# A directed multigraph with 149 components  
#  
# Node Data: 475 x 1 (active)  
#   name  
#   <chr>  
1 A.I.M._President  
2   Abilisk  
3   Abomination  
4   Absorbing_Man  
5   Abu_Bakaar  
6   Adolf_Hitler  
# ... with 469 more rows  
#  
# Edge Data: 1,287 x 2  
#   from    to  
#   <int> <int>  
1     4    350  
2     4    298  
3     4     78  
# ... with 1,284 more rows
```

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```
> Reduce(graph_join, list(affinity_graph, appearance_graph, allies_graph, enemies_graph, family_graph))
Joining, by = "id"
Joining, by = "id"
Joining, by = "id"
Joining, by = "id"
# A tbl_graph: 475 nodes and 25813 edges
#
# A directed multigraph with 6 components
#
# Edge Data: 25,813 x 4 (active)
  from    to weight    class
  <int> <int> <dbl>    <chr>
1     1     1      1 Affiliation
2     1    157      1 Affiliation
3     1    187      1 Affiliation
4     1    314      1 Affiliation
5     1    341      1 Affiliation
6     1    438      1 Affiliation
# ... with 2.581e+04 more rows
#
# Node Data: 475 x 1
      id
    <chr>
1 Misty_Knight
2  Spider-Man
3 Executioner
# ... with 472 more rows
```