



# Graph Complements

## 1 Why

TODO. For split graphs.

## 2 Definition

The *complement* of an undirected graph  $(V, E)$  the graph  $(V, F)$  where  $F$  is the complement of  $E$  in the set  $\{\{u, v\} \mid u, v \in V, u \neq v\}$ .





