



- 1) Choose $v_1 v_3$
- 2) Choose $v_7 v_8$
- 3) Choose $v_2 v_3$ $\rightarrow v_1 v_2$ would now form cycle
- 4) -||- $v_3 v_5$ $\rightarrow v_2 v_5$ would now form cycle
- 5) -||- $v_4 v_5$ $\rightarrow v_2 v_4$ would now form cycle
- 6) -||- $v_6 v_8$ $\rightarrow v_6 v_7$ would now form cycle
- 7) -||- $v_5 v_6$ \rightarrow There are already paths for $v_5 v_7$ and $v_4 v_6$ so we are finished

$$\{v_1 v_3, v_7 v_8, v_2 v_3, v_3 v_5, v_4 v_5, v_6 v_8, v_5 v_6\}$$
