

Problem 2 a

v_1 as start node

v_1

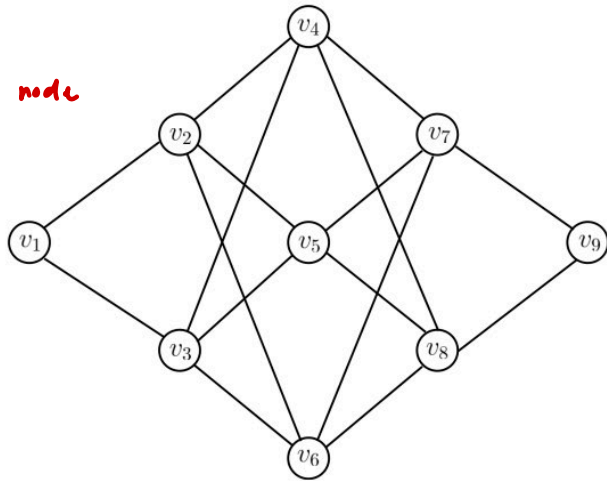


Figure 1: Example Graph for Graph Search

v_1
 v_2 v_3

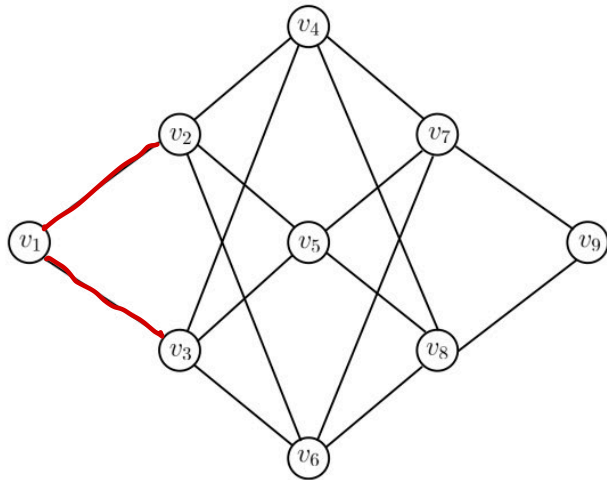


Figure 1: Example Graph for Graph Search

v_1, v_2
 v_3, v_4, v_5, v_6

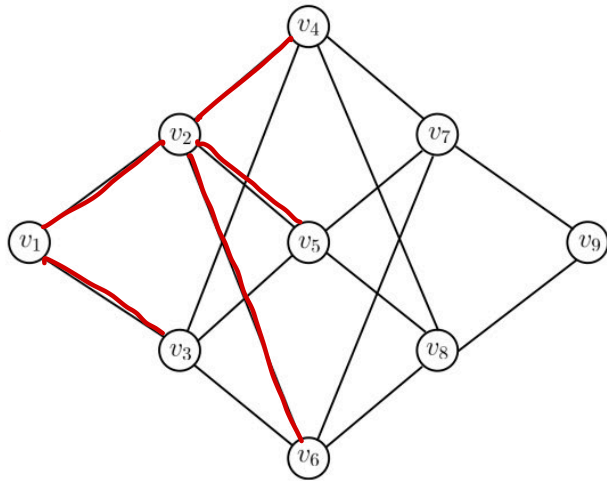


Figure 1: Example Graph for Graph Search

v_1, v_2, v_3
 v_4, v_5, v_6

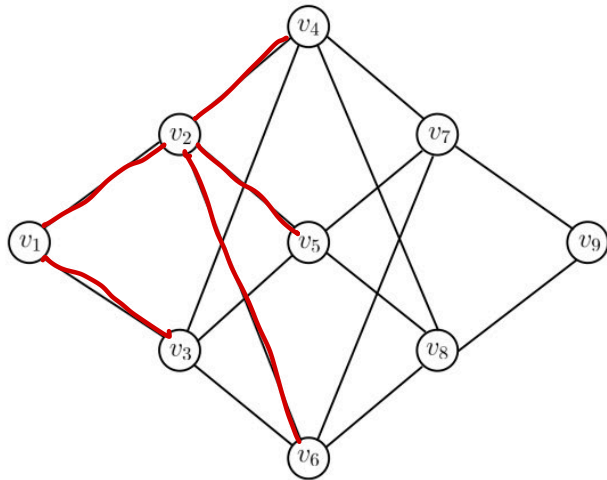


Figure 1: Example Graph for Graph Search

v_1, v_2, v_3, v_4
 v_5, v_6, v_7, v_8

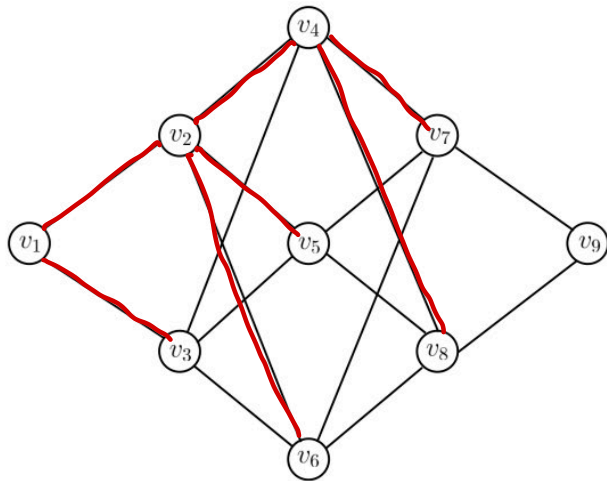


Figure 1: Example Graph for Graph Search

$v_1 v_2 v_3 v_4 v_5 v_6 v_7 v_8 v_9$

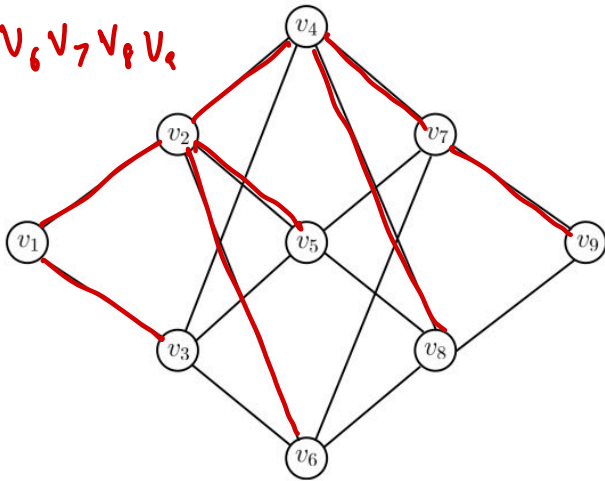


Figure 1: Example Graph for Graph Search

Problem 3a

v_1 as start node

v_1

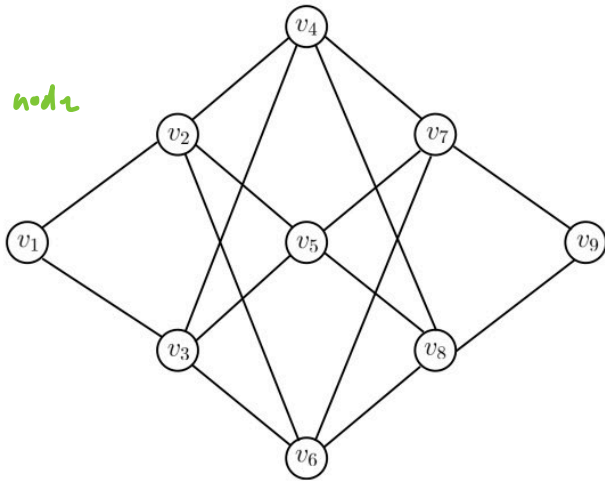


Figure 1: Example Graph for Graph Search

v_2, v_1

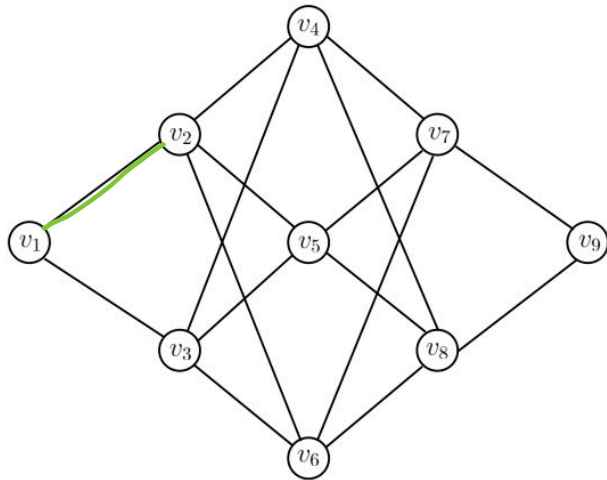


Figure 1: Example Graph for Graph Search

v_1, v_2, v_3

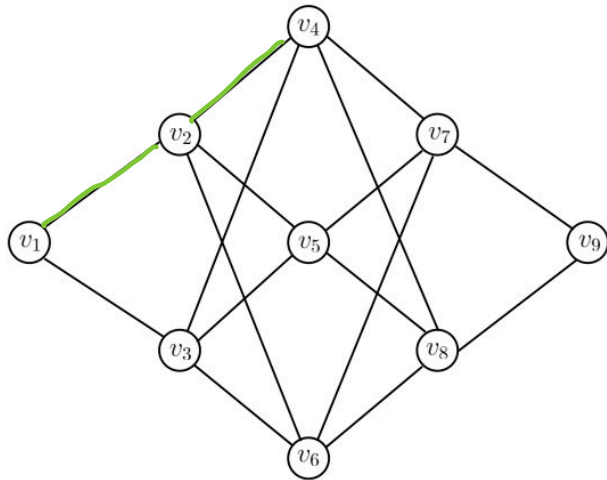


Figure 1: Example Graph for Graph Search

$v_3 v_4 v_2 v_1$

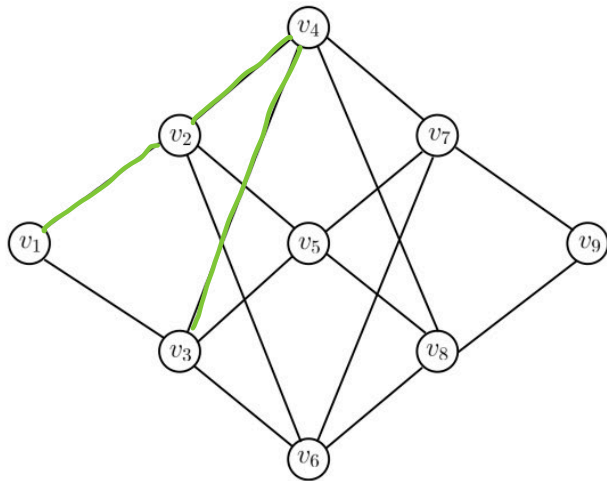


Figure 1: Example Graph for Graph Search

$v_5 v_3 v_4 v_2 v_1$

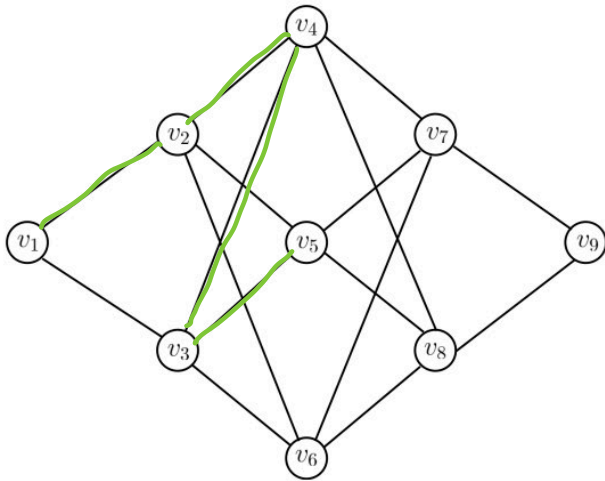


Figure 1: Example Graph for Graph Search

$v_7 v_5 v_3 v_4 v_2 v_1$

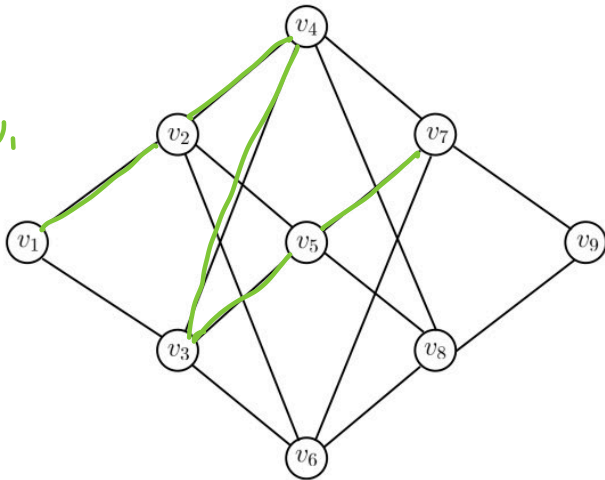


Figure 1: Example Graph for Graph Search

$v_6, v_7, v_5, v_3, v_4, v_2, v_1$

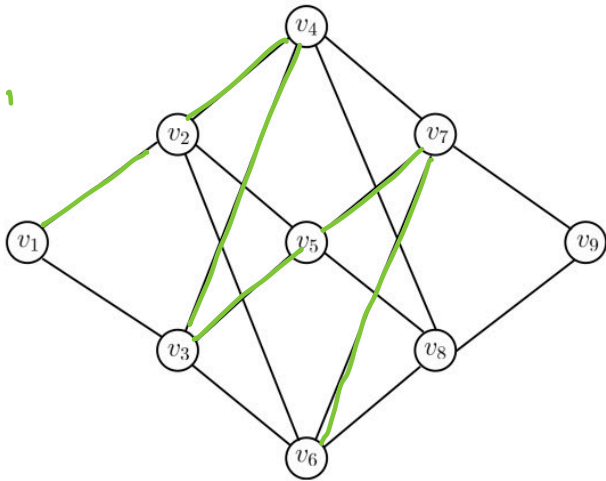


Figure 1: Example Graph for Graph Search

$v_1 v_8 v_6 v_7 v_5 v_3 v_4 v_2 v_1$

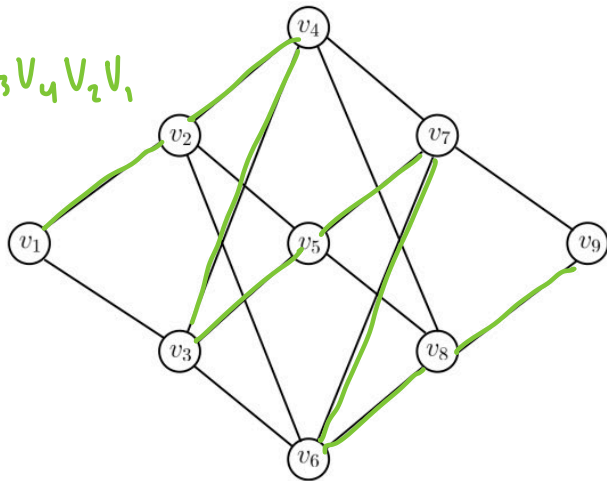


Figure 1: Example Graph for Graph Search