



Figure 1: A  $k$ -strong semicomplete multipartite digraph  $D'$  with partite sets  $V_1, \dots, V_c$  such that  $|V_i| = k + 1$  for  $i \in [c - 1]$  and  $|V_c| = k$ . All arcs between different  $V_i$ s which are not shown are from left to right.