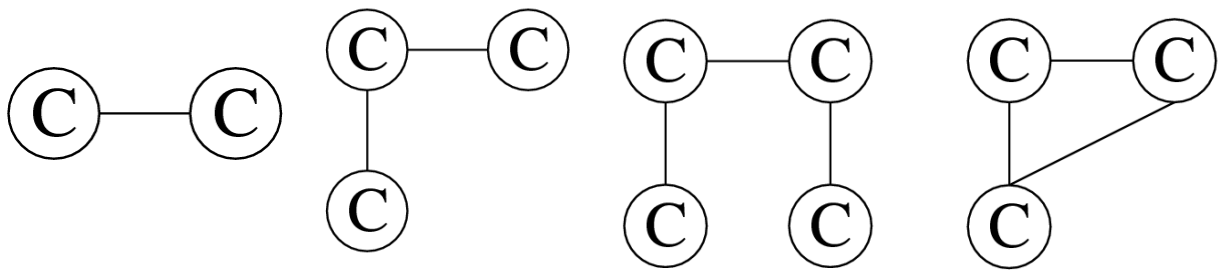
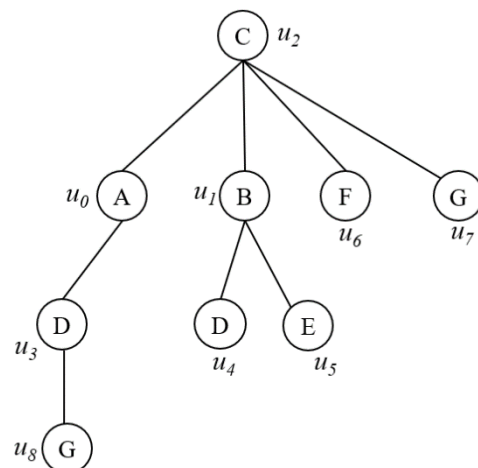


## Question 1



## Question 2

1)



2)

The core set:  $u_0, u_1, u_2, u_4, u_5$

The forest set:  $u_3$

The leaf set:  $u_6, u_7, u_8$

## Question 3

1)  $v_3$