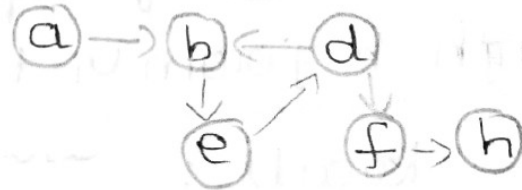
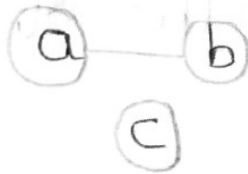
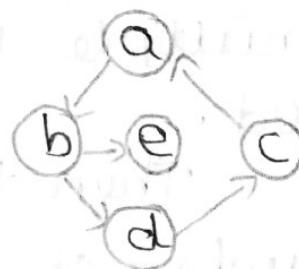
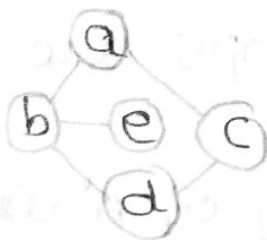
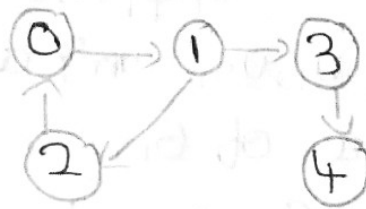
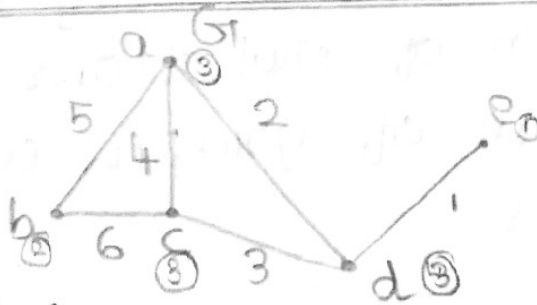


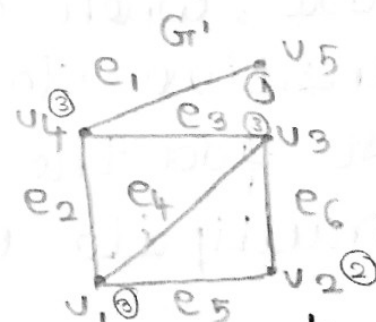
## Connected:



## Paths and isomorphisms:



$$\text{degree}(G_1) = 3, 2, 3, 2$$



$$\text{degree}(G_1') = 3, 2, 3, 2$$

vertices

$$f(a) = v_1$$

$$f(b) = v_2$$

$$f(c) = v_3$$

$$f(d) = v_4$$

$$f(e) = v_5$$

edges

$$f(1) = e_1$$

$$f(2) = e_2$$

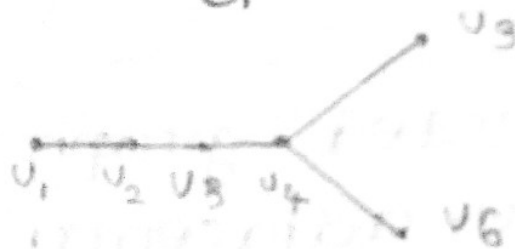
$$f(3) = e_3$$

$$f(4) = e_4$$

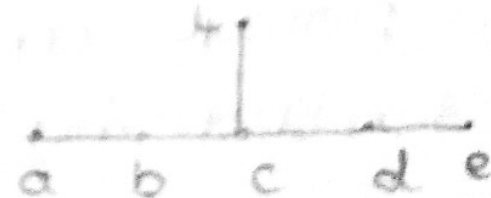
$$f(5) = e_5$$

Eg :

$G_1$



$G_1'$



- ① Same no. of vertices
- ② same no. of edges
- ③ Same degree sequence.