

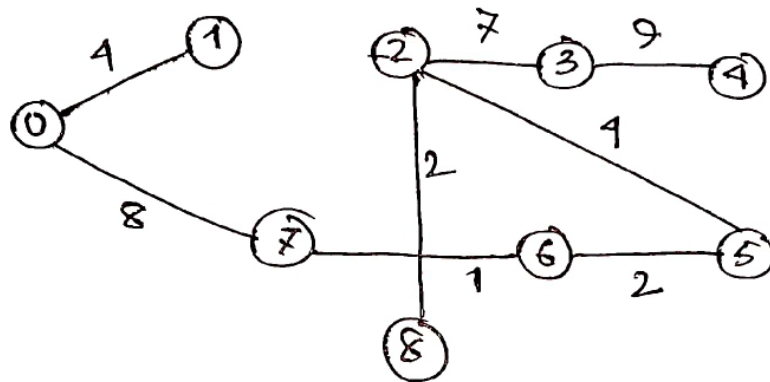
Kruskal's MST:

Here

$$V = 9$$

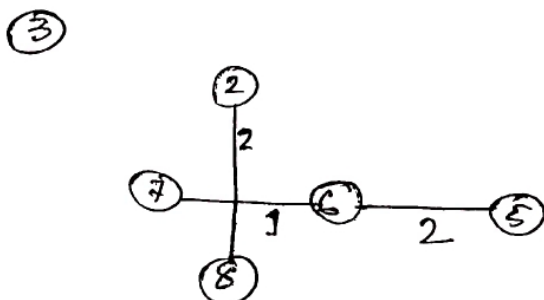
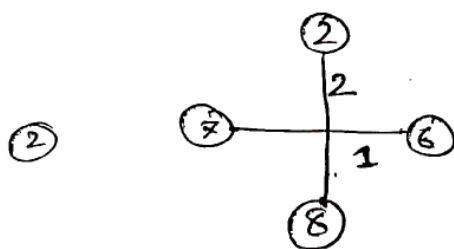
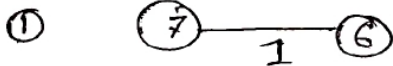
$$|V| - 1 = 8$$

edges

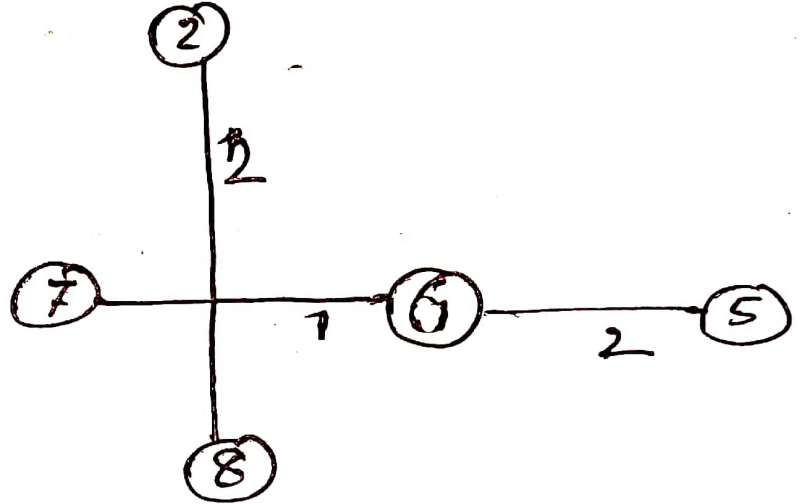
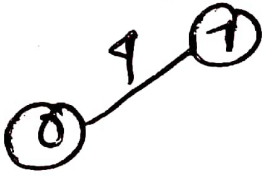


Simulation:

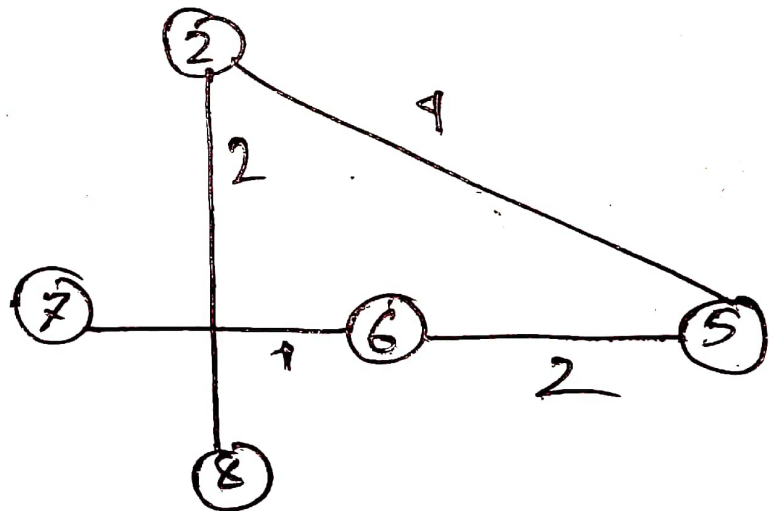
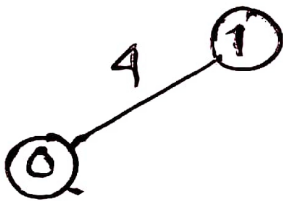
Step:



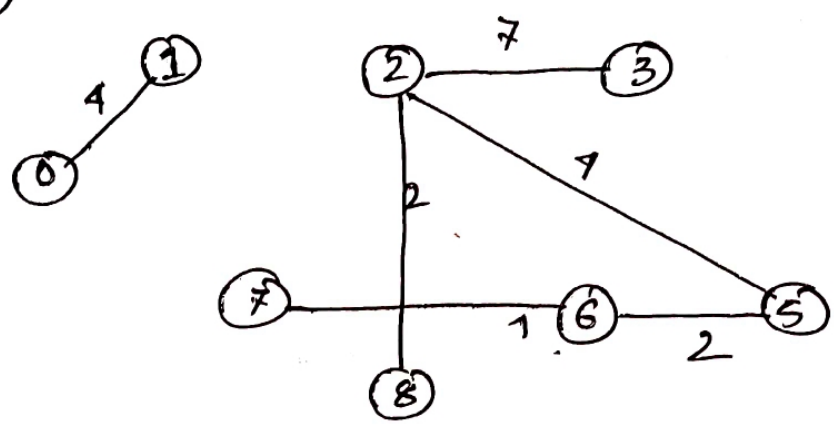
④



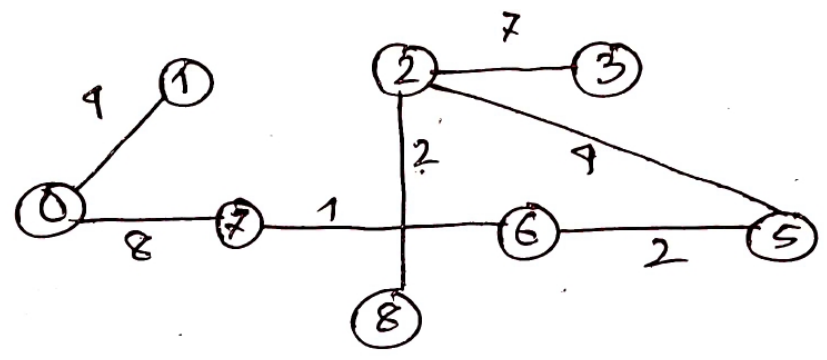
⑤



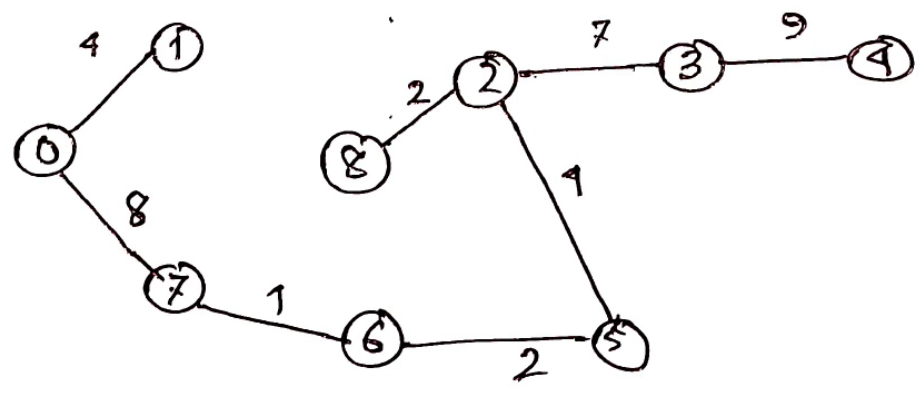
⑥



⑦



step:
⑧



Final output .