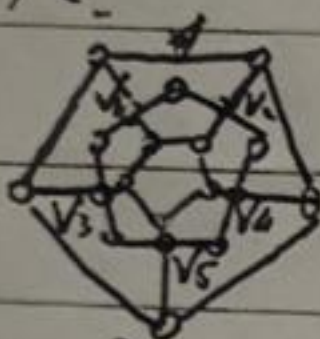


# 图论作业 221018

## 习题 8

7. (a)



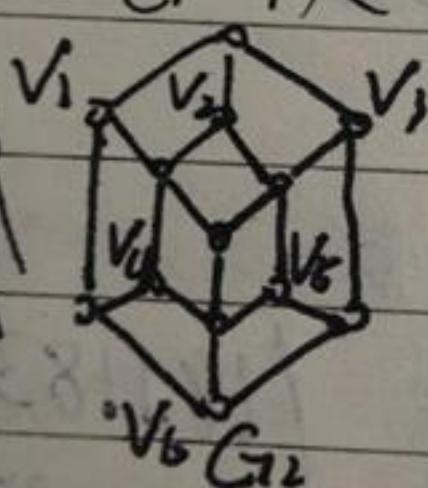
$G_1$

$$p(G_1 - V_1) = 7 \neq 5 = |V_1|$$

$$V_1 = \{v_1, v_2, v_3, v_4, v_5\}$$

$G_1$  不是哈密顿图

(b)



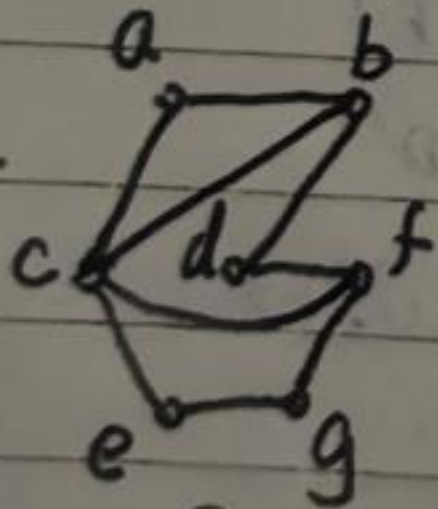
$G_2$

$$p(G_2 - V_2) = 7 > 6 = |V_2|$$

$$V_2 = \{v_1, v_2, v_3, v_4, v_5, v_6\}$$

$G_2$  不是哈密顿图

11.



$G$

$$G = \langle V, E \rangle$$

$$V = \{a, b, c, d, e, f, g\}$$

$$E = \{e = (u, v) \mid u \text{ 和 } v \text{ 有共同端点 } u, v \in V\}$$

$\Gamma = abdfgeca$  是一条哈密顿回路

因此可以安排