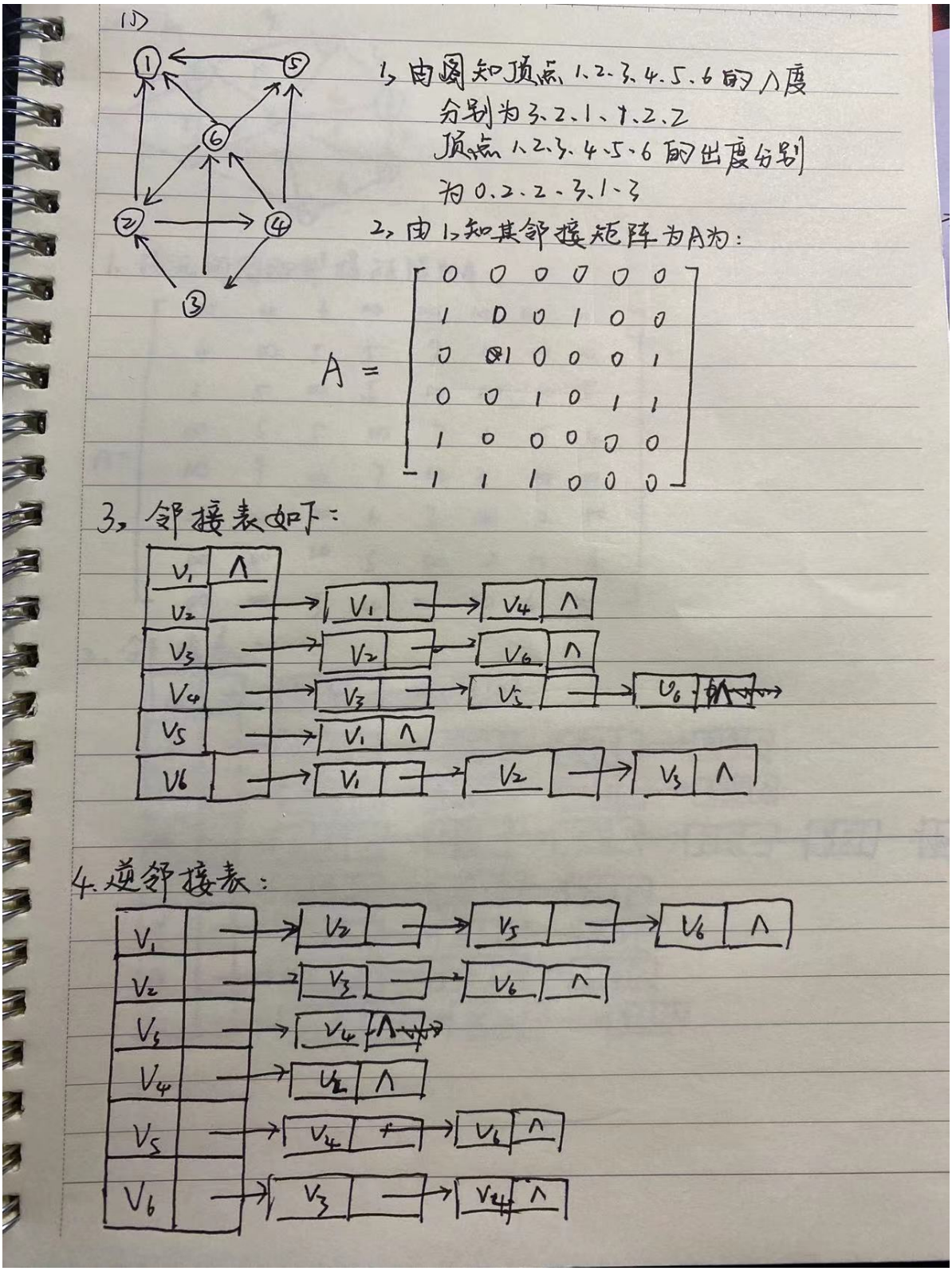
选择题

1-5 CBBBC

6-10 BABAA

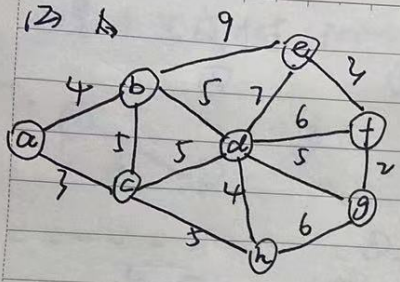
11-15 DCC(DD)B

应用题



Date.

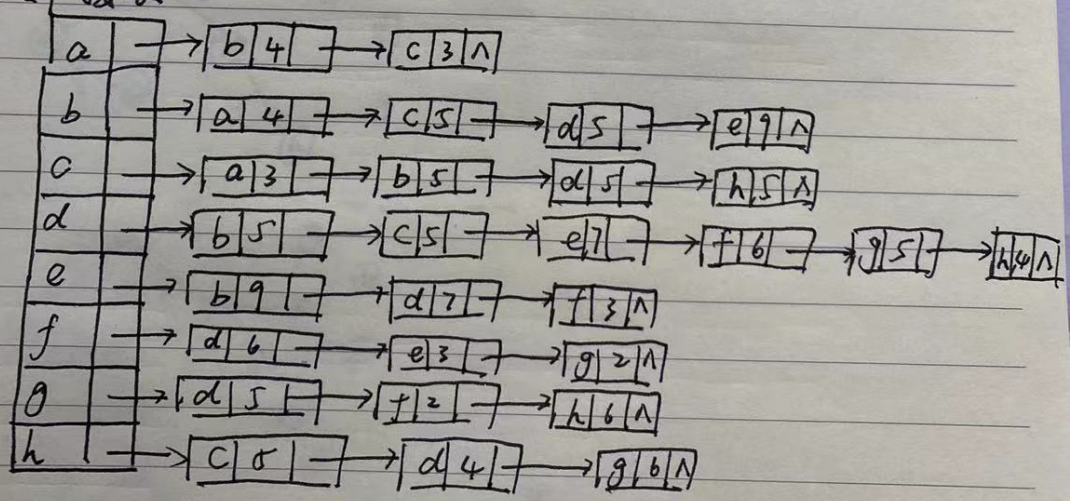
(2)



1. 该无向网的邻接矩阵为A：

$$A=\begin{bmatrix}
\infty & 4 & 3 & \infty & \infty & \infty & \infty & \infty \\
4 & \infty & 5 & 5 & 9 & \infty & \infty & \infty \\
3 & 5 & \infty & 5 & \infty & \infty & \infty & 5 \\
\infty & 5 & 5 & \infty & 7 & 6 & 5 & 4 \\
\infty & 9 & \infty & 7 & \infty & 3 & \infty & \infty \\
\infty & \infty & \infty & 6 & 3 & \infty & 2 & \infty \\
\infty & \infty & \infty & 5 & \infty & 2 & \infty & 6 \\
\infty & \infty & 5 & 4 & \infty & \infty & 6 & \infty
\end{bmatrix}$$

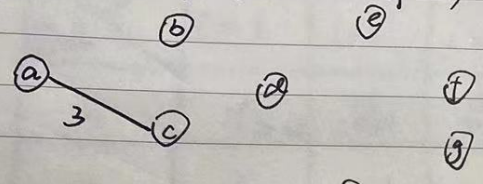
2. 邻接表：



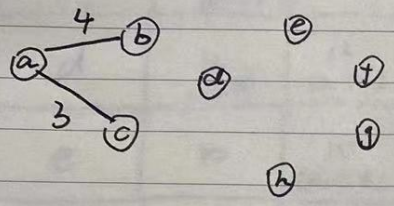
Date. /

3、最小生成树（prime算法）

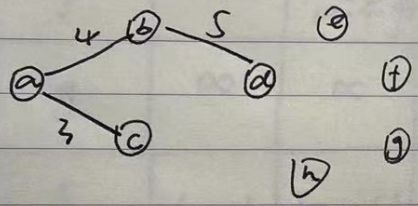
一、



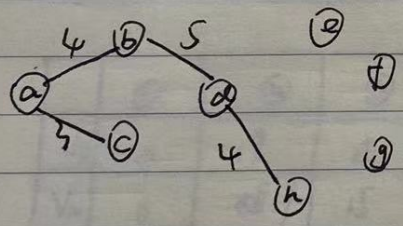
二、



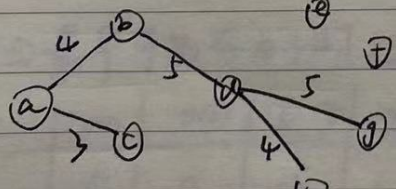
三、



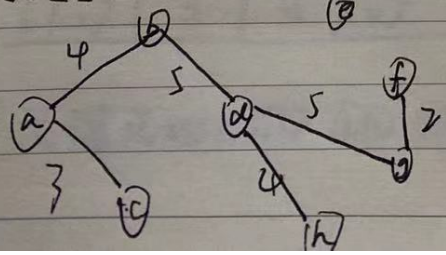
四、

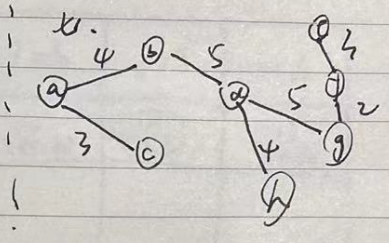


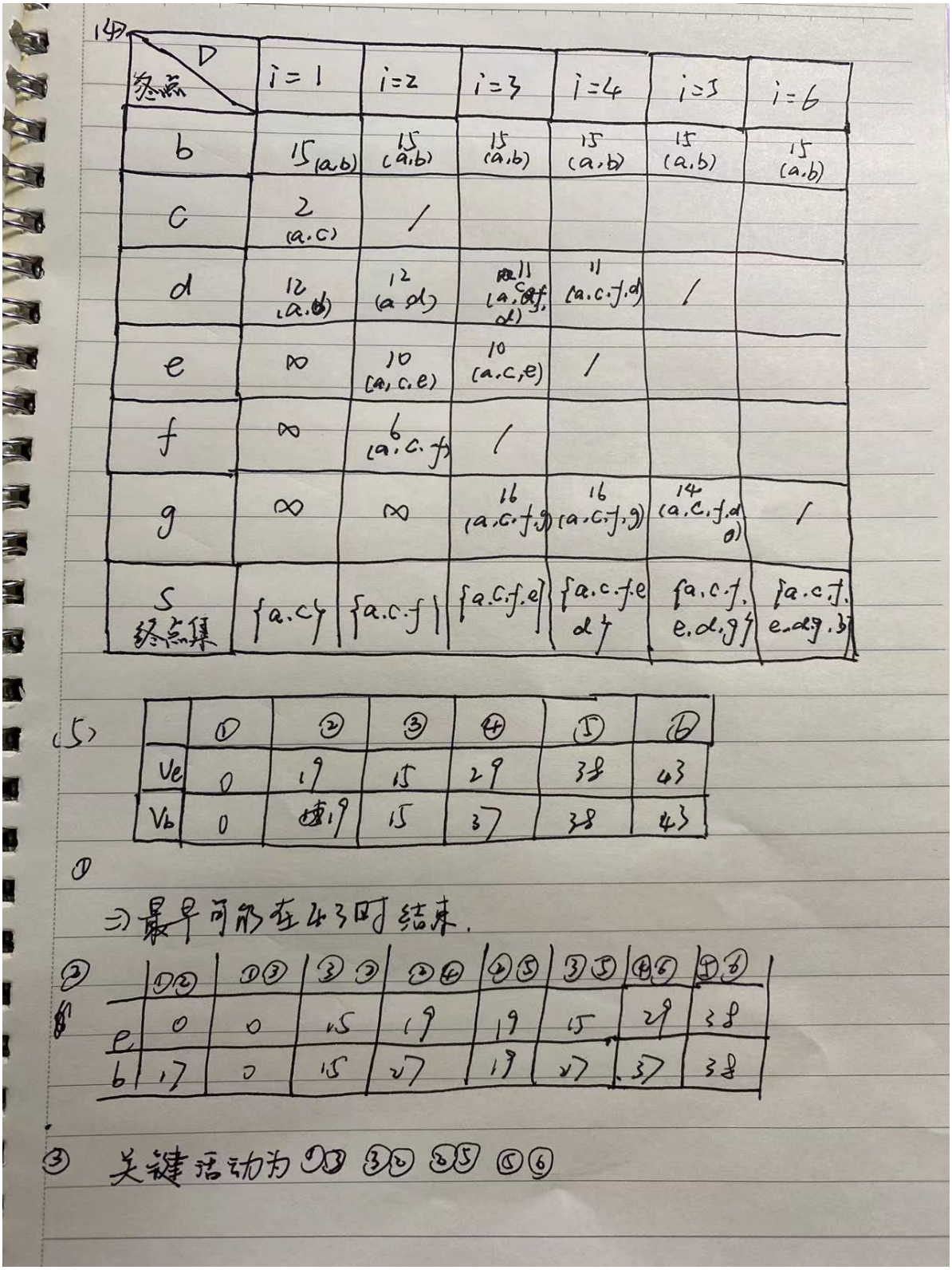
五、



六、







终点 \ D	i=1	i=2	i=3	i=4	i=5	i=6
b	15 (a,b)	15 (a,b)	15 (a,b)	15 (a,b)	15 (a,b)	15 (a,b)
c	2 (a,c)	/				
d	12 (a,b)	12 (a,d)	11 (a,c,f,d)	11 (a,c,f,d)	/	
e	∞	10 (a,c,e)	10 (a,c,e)	/		
f	∞	6 (a,c,f)	/			
g	∞	∞	16 (a,c,f,g)	16 (a,c,f,g)	14 (a,c,f,d,g)	/
S 终点集	{a,c}	{a,c,f}	{a,c,f,e}	{a,c,f,e,d}	{a,c,f,e,d,g}	{a,c,f,e,d,g,b}

(5)

	①	②	③	④	⑤	⑥
Ve	0	19	15	29	38	43
Vb	0	19	15	37	38	43

① ⇒ 最早可能在43时结束.

② 关键活动为 ①② ③⑤ ⑤⑥

算法设计题

```
void DFS(Graphic *G, int v){
    memset(visited,0,sizeof(visited)) ;
    Stack s;
    InitStack(s);
    push(s, v);
    while (!s.IsEmpty()){
        pop(s, k);
        if (!visited[k]){
            visited[k] = 1;
            for (tmp = FirstAdjVex(G, k); tmp; tmp = NextAdjVex(G, k, tmp)){
                if (!visited[tmp] && tmp != s.top()) push(s, tmp);
```

```
            }
        }
    }
}
```