## 数据结构宣防

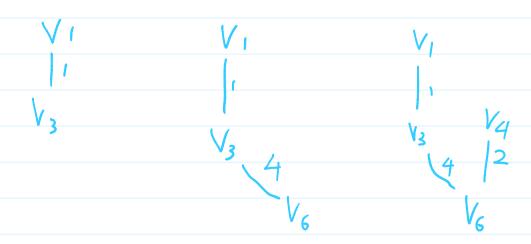
- 1. **D**
- 3. C
- 4. P
- 5. A
- 6. **D**
- 7. C 8. A
- 9. C
- 10. C

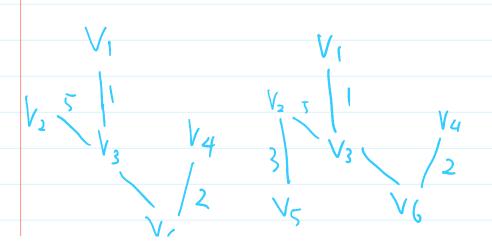
野次:18 29 25 47 22 58 第二次:18 25 29 47 10 22 51 58 爱淡:10 18 22 25 29 47 51 58

2 . ASL=(3+2+3+1+3+2+3+4)/8=2.625

3.

思想:先保证图连通,再选边权值最小的 初始状态选边权值最大的,构成回路动绘





```
#include<iostream>
#include<queue>
#include<stdlib.h>
using namespace std;
struct BTnode
```

int data; BTnode \*left; BTnode \*right; };

void LevelOrder(BTnode \*a) queue <BTnode\*>q; int count=0; if(a) q.push(a); while(!q.empty()) BTnode \*tem=q.front();

> q.pop(); cout<<tem->data; if(tem->left) q.push(tem->left); if(tem->right) q.push(tem->right);

int main()

BTnode \*node6=(BTnode\*)malloc(sizeof(BTnode)); node6->left=NULL; node6-> right=NULL; node6->data=6; BTnode \*node5=(BTnode\*)malloc(sizeof(BTnode)); node5->left=NULL; node5-> right=NULL; node5->data=5; BTnode \*node4=(BTnode\*)malloc(sizeof(BTnode)); node4->left=NULL; node4-> right=NULL; node4->data=4; BTnode \*node3=(BTnode\*)malloc(sizeof(BTnode)); node3->left=NULL; node3-> right=node6; node3->data=3; BTnode \*node2=(BTnode\*)malloc(sizeof(BTnode)); node2->left=node4; node2-> right=node5; node2->data=2; BTnode \*node1=(BTnode\*)malloc(sizeof(BTnode)); right=node3; node1->data=1; node1->left=node2; node1-> BTnode \*node5=(BTnode\*)malloc(sizeof(BTnode)); node5->left=NULL; right=NULL; node5->data=5; BTnode \*node4=(BTnode\*)malloc(sizeof(BTnode)); node4->left=NULL; node4-> right=NULL; node4->data=4; BTnode \*node3=(BTnode\*)malloc(sizeof(BTnode)); node3->left=NULL; node3-> right=NULL; node3->data=3; BTnode \*node2=(BTnode\*)malloc(sizeof(BTnode)); node2->left=node4; node2-> right=node5; node2->data=2; BTnode \*node1=(BTnode\*)malloc(sizeof(BTnode)); node1->left=node2; node1-> right=node3; node1->data=1; \*/
BTnode \*node7=(BTnode\*)malloc(sizeof(BTnode)); node7->left=NULL; node7-> right=NULL; node7->data=7; BTnode \*node6=(BTnode\*)malloc(sizeof(BTnode)); node6->left=NULL; node6-> right=NULL; node6->data=6; BTnode \*node5=(BTnode\*)malloc(sizeof(BTnode)); right=NULL; node5->data=5; node5->left=NULL; node5->

node4->left=node6;

node3->left=NULL;

node2->left=node4;

node1->left=node2;

node2->

node1->

cout<<LevelOrder(node1);

#include<iostream> #include<stdlib.h> using namespace std;

right=node7; node4->data=4;

right=node3; node1->data=1;

BTnode \*node4=(BTnode\*)malloc(sizeof(BTnode));

BTnode \*node3=(BTnode\*)malloc(sizeof(BTnode));

right=NULL; node3->data=3; BTnode \*node2=(BTnode\*)malloc(sizeof(BTnode));

right=node5; node2->data=2; BTnode \*node1=(BTnode\*)malloc(sizeof(BTnode));

2

```
struct dnode
      int feq;
dnode *next;
      dnode *prev;
};
dnode* Create()
      int tem:
      dnode *head=(dnode*)malloc(sizeof(dnode));
      dnode *temNode1=head;
dnode *temNode2,*temNode3;
      while(cin>>tem,tem!=-1)//输入-1结束
            temNode1->data=tem;
            temNode1->feq=0;
            temNode2=(dnode*)malloc(sizeof(dnode));
```

temNode3=temNode1; temNode1->next=temNode2; temNode2->prev=temNode1; temNode1=temNode2;

temNode3->next=head;

```
head->prev=temNode3;
void PrintList(dnode *a)
     dnode *head=a;
     while(a)
          cout<<a->data<<" ";
           a=a->next;
           if(a==head)
     cout<<endl:
dnode* FeqSort(dnode *A)
     dnode *head=A;
     dnode *dnodes[1000];
           dnodes[n++]=A;
           if(A==head)
     for(int i=0;i!=n-1;i++)
           for(int j=1;j!=n;j++)
                if(dnodes[max]->feq<dnodes[j]->feq)
           dnode *tem=dnodes[i];
           dnodes[max]=tem;
     head=dnodes[0];
     for(int i=0;i!=n-1;i++)
           dnodes[i]->next=dnodes[i+1];
           dnodes[i+1]->prev=dnodes[i];
     head->prev=dnodes[n-1];
     dnodes[n-1]->next=head;
     return head;
int main()
     dnode *A=Create();
     PrintList(A);
     A=FegSort(A):
     PrintList(A);
```

## 数据库部分

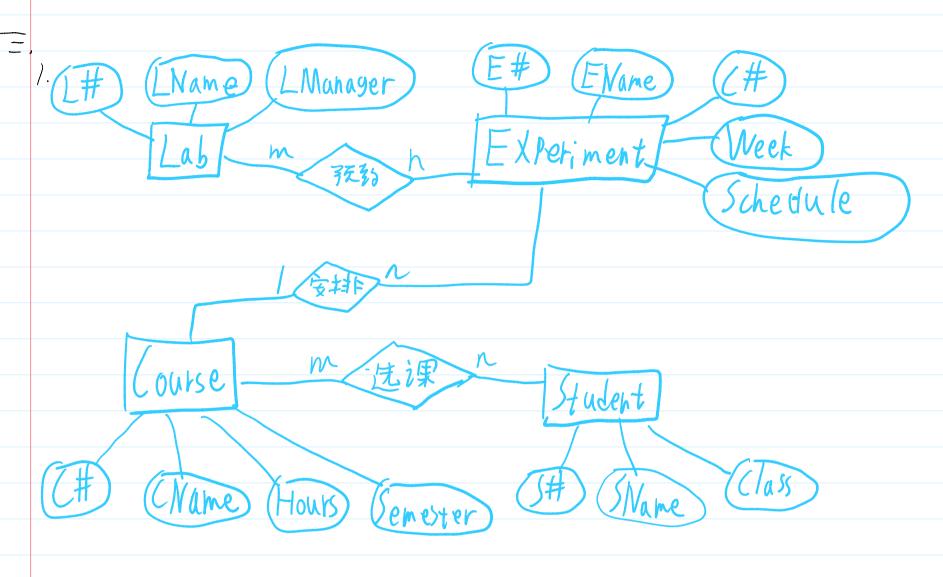
## 1.(1) TUSPECIALITY (TENAME= 本於 (E))

(2) TLEA, ENAME( T SEX-Y/A CITY= 上海(EMWMD))

2. U)Select E#, ENAME from E where (DH/+ AITTY\_1+1111 - 601

## SPECIALITY='软件工程'

(2) Select E#, ENAME, SALARY, CITY From E,D,W where E.E#=W.E# And W. D# = D.D# And E.ENAMIE like +3 %



2.

学生(<u>SH</u> SName Class)

演程(<u>C</u># CName Hours Semester)

文3盒(<u>E</u># , E Name , (#, Week, Schedule, C#)

文3盒(<u>L</u># , L Name, L Manager)

次3盒室(<u>L</u># , L Name, L Manager)

选课(<u>#</u>) 预约(<u>#</u>, E#)