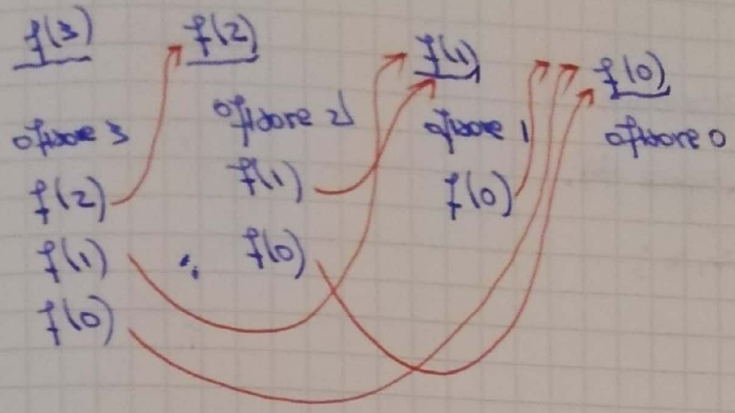
Varianta 1

Subiectul I

1. d)

2.



f(0) → afisare 0

⇒ f(1) → afisare 10

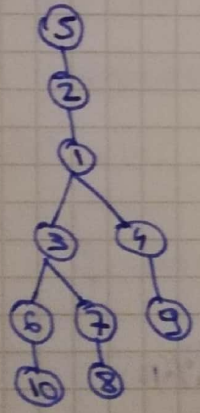
⇒ f(2) → afisare 2100

⇒ f(3) → afisare 3 2100100

b)

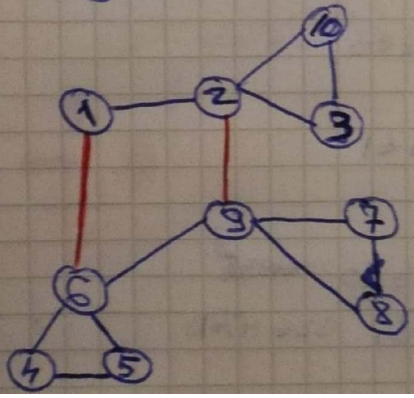
3. c)

4.



3 frunze a)

5.



b)

Subject

a) 275

b) 1234 4321

c)

```
# include <iostream>
    using namespace std;
    int m, c1, c2, s;
    int main()
    {
        cin>>m;
        c1 = m%10; m = m/10; c2 = m%10;
        if(c1==c2) s=0;
        else if(c1>c2) s=1;
        else s=-1;
        while((c1-c2)*s<=0)
        { c1 = m%10; m = m/10; c2 = m%10;}
    cout<<s<<' '<<m;
    return 0;
    }
```

d) citește n

c1 ← n%10; n ← [n/10]; c2 ← n%10

dacă c1=c2 atunci s←0

altfel

dacă c1>c2 atunci s←1

altfel s←-1

execută

c1←n%10; n←[n/10]; c2←n%10

cât timp (c1-c2)*s>0

scrie s, ' ', n

2. struct cerc

```
{
    float raza;
     struct
    { float x;
      float y;
    } centru;

} fig;
```

3.

```
for( p=0; p<20 ; p++)

  if a[p]
  {
     if(a[p]=='A')
       if(a[p-1]=='I' || a[p+1]=='I')
          continue;
     cout<<a[p];
  }
  else fresh;
```