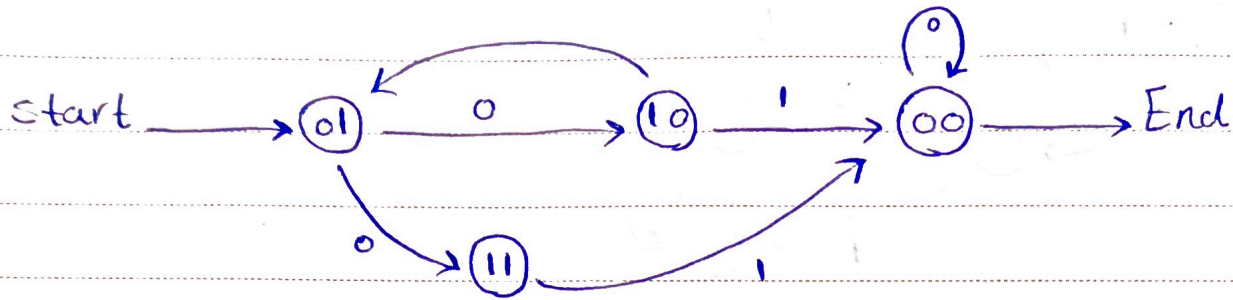


INTEGER = Digit<sup>+</sup> | 0(x|x) (Digit | Hex)<sup>+</sup>

Digit = 0..9    Hex = a...f | A...F

"Scanner (اسکربر)"



stksg segment stack

سوال 8

db 74 dup (stack)

stksg ends.

Dataseg segment "Data".

db

dataseg ends.

main proc

push ds

push 0

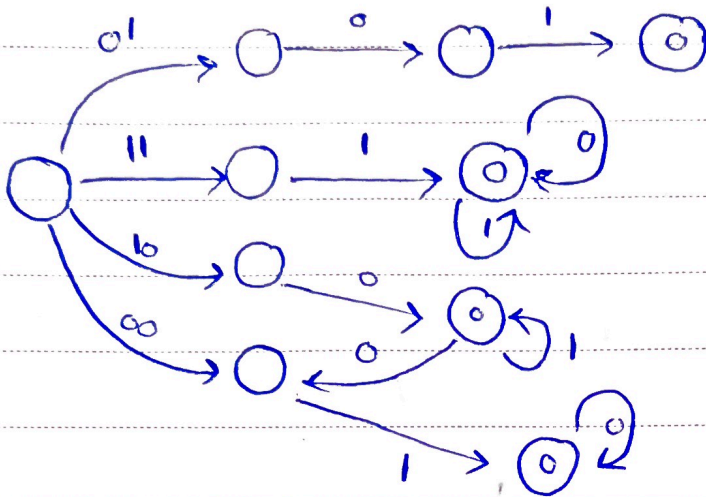
mov ax

mov ds, ax

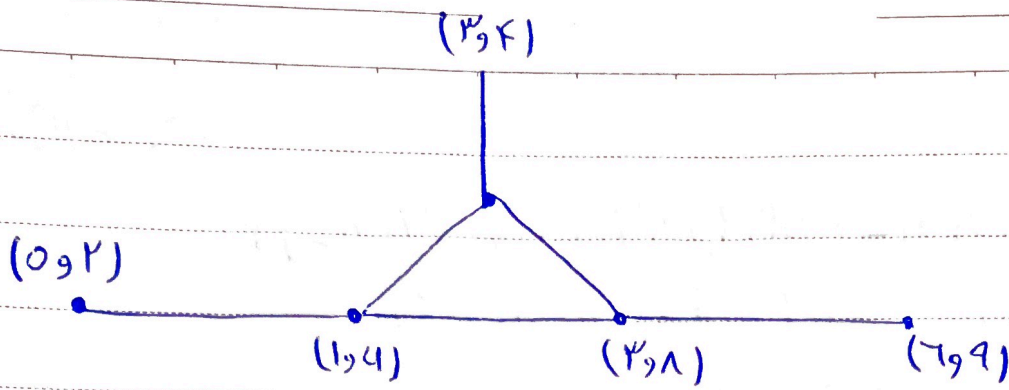
cseg segment

assume cs:cseg

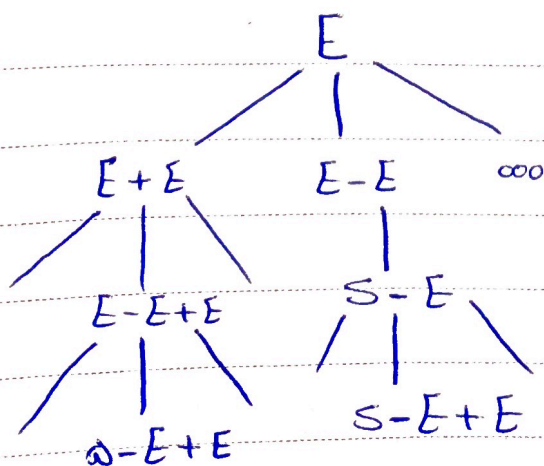
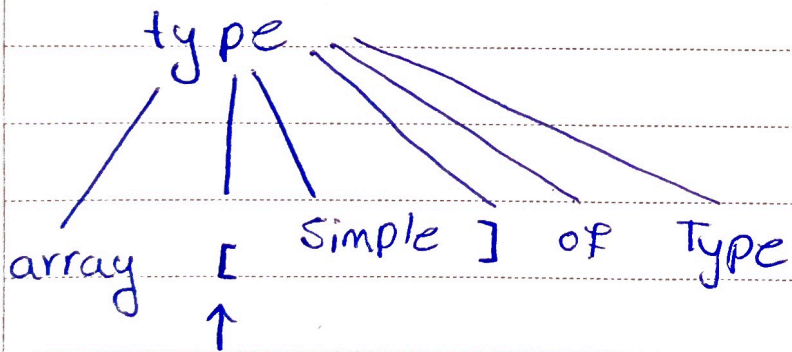
Impression, don't exist in BUT print, Type of OPC



سوال 84



سوال 85





```

1 NFA getNFA_AND(NFA n1, NFA n2) {
2     int offset = n1.states.size();
3     vector<State> states;
4     NFA ret = n1;
5     for(int i = 0; i < n1.states.size(); i++) {
6         states.push_back(State(false));
7         if(n1.states[i].isAccepted())
8             ret.trans_func[i][NFA::lambda].push_back(n2.start_state + offset);
9     }
10    for(int i = 0; i < n2.states.size(); i++) {
11        ret.setTransFunc(i + offset, n2.trans_func[i]);
12        for(map<char, vector<int>>::iterator it = ret.trans_func[i+offset].begin();
13            it != ret.trans_func[i+offset].end(); it++) {
14            if(find(ret.alphabet.begin(), ret.alphabet.end(), it->first) == ret.alphabet.end())
15                ret.alphabet.push_back(it->first);
16            for(vector<int>::iterator jt = it->second.begin();
17                jt != it->second.end(); jt++) {
18                *jt = *jt + offset;
19            }
20        }
21        if(n2.states[i].isAccepted())
22            states.push_back(State(true));
23        else
24            states.push_back(State(false));
25    }
26    if(find(ret.alphabet.begin(), ret.alphabet.end(), NFA::lambda)
27        ret.alphabet.push_back(NFA::lambda);
28    ret.setStateset(states);
29    return ret;
30 }

```



```
void node::push()  
{  
    if (needToRev)  
    {  
        node* temp = left;  
        left = right;  
        right = temp;  
  
        if (left != NULL)  
            left->reverse();  
        if (right != NULL)  
            right->reverse();  
        needToRev = false;  
    }  
    recount();  
}  
  
void node::setNeedToRev (bool inNeedToRev)  
{  
    needToRev = inNeedToRev;  
    recount();  
}
```