```cpp
#include <iostream>

using namespace std;

int main()
{
    int a,b,a1,b1;
    cout<<"primul numar: ";
    cin>>a;
    cout<<"al doilea numar";
    cin>>b;
    if(a%10>b%10)
        cout<<a;
    else
        cout<<b<<endl;

    while(a>0)
        {if(a%10!=0)
        a1=a%10;
        a=a/10;}
     while(b>0)
        {if(b%10!=0)
        b1=b%10;
        b=b/10;}
        if(a1>b1)
            cout<<a1;
        else
            cout<<b1;
    return 0;
}
```