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// Intermediate 5
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#include <iostream>
#include <cmath>
using namespace std;
int v[100];
int main()
{
    long long int n,p,i,j,k=0;
    for(j=1;j<=5;j++)
    {cin>>n>>p;
    k=0;
    while(n!=0)
    {

        k++;
        v[k]=n%10;
        n=n/10;
    }
    for(i=k;i>=1;i--)
    {
        if(i>p)
            cout<<(v[i]+v[p])%10;
        if(i==p)
            cout<<v[p];
        if(i<p)
            cout<<abs(v[i]-v[p]);

    }
    cout<<"\n";
    }
    return 0;
```

