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// Intermediate 5
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#include <iostream>
#include <cmath>
using namespace std;
int v[20], w[20];
int main()
{
    for(int e=1;e<=5;e++)
    {
        long long n,p, m=0, c, q=0, k=0;
        cin>>n>>p;
        c=n;
        while(c!=0)
        {
            q++;
            v[q]=c%10;
            c=c/10;
        }
        for(int i=q;i>=1;i--)
        {
            k++;
            w[k]=v[i];
        }
        for(int i=1;i<k-p+1;i++)
        {
            w[i]=(w[i]+w[k-p+1])%10;
        }
        for(int i=k-p+2;i<=k;i++)
        {
            int x=abs(w[i]-w[k-p+1]);
            w[i]=x%10;
        }
    }
}
```

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}  
for(int i=1;i<=k;i++)  
{  
    m=m*10+w[i];  
}  
cout<<m<<"\n";  
}  
return 0;  
}
```