```
#include<iostream.h>
#define fi "lcs.inp"
#define maxmn 200
int
        a[maxmn],b[maxmn],p[maxmn];
int
        1[maxmn][maxmn];
int m,n;
void input()
        FILE *f;
        f=fopen(fi,"rt");
        fscanf(f,"%d%d",&m,&n);
        for (int i=1;i<=m;i++)
        fscanf(f,"%d",&a[i]);
        for (int i=1;i<=n;i++)
        fscanf(f, "%d", &b[i]);
        fclose(f);
}
int max(int x,int y)
        return x>y?x:y;
void createtable()
for (int i=1;i<=m;i++)</pre>
                         l[i][0] = 0;
for (int j=1;j<=n;j++)
                         1[0][j] = 0;
for (int i=1;i<=m;i++)</pre>
for (int j=1;j<=n;j++)
{
        if (a[i]==b[j]) 1[i][j] = 1[i-1][j-1] + 1;
        else l[i][j] = max(l[i][j-1], l[i-1][j]);
}
}
void reftable()
cout<<1[m][n];
int i = m, j = n;
//memset(p,sizeof(p),0);
for (int k=0;k<maxmn;k++)</pre>
                                  p[k]=0;
int count= 0;
while (i>0 && j>0)
        if (a[i]==b[j])
        {
                 p[++count] = a[i--];
                 j--;
        }
        else
                 if (l[i][j]==l[i][j-1]) j--;
```

```
else i--;
for (i=count;i>=1;i--)
cout<<pre>cout<<pre>";
cout<<end1;</pre>
}
int main()
         input();
         createtable();
         reftable();
         return 0;
}
/*
lcs.inp
13 12
3 12 5 6 1 7 61 9 0 10 11 32 4
12 1 4 61 12 0 14 11 10 3 4 32
*/
```