

c:

```
#include <stdio.h>
```

```
int main(void) {
```

```
    int num_tests;
```

```
    scanf("%d\n",&num_tests);
```

```
    int num_soldiers;
```

```
    int temp,i,j;
```

```
    while(num_tests--)
```

```
    {
```

```
        scanf("%d\n",&num_soldiers);
```

```
        int left_places[num_soldiers];
```

```
        int init_order[num_soldiers];
```

```
        for(i=0;i<num_soldiers;i++)
```

```
        {
```

```
            scanf("%d",&left_places[i]);
```

```
            init_order[i]=i+1;
```

```
        }
```

```
        for(i=num_soldiers-1;i>=0;i--)
```

```

{
    if(left_places[i]!=0)
    {

        temp = init_order[i-left_places[i]];

        for(j = i - left_places[i]; j<i; j++) init_order[j] = init_order[j+1];

        init_order[i]=temp;
    }
}

for(i=0;i<num_soldiers;i++) printf("%d ",init_order[i]);

printf("\n");
}

return 0;
}

```

python:

```

t=int(input())
for _ in range(t):
    n=int(input())
    w=[]
    ans=[]
    l = [int(j) for j in input().split()]
    for i in range (1,n+1):

```

```
w.append((i))  
ans.append(0)  
for i in range (len(l)-1,-1,-1):  
    ans[i]=w[len(w)-1-l[i]]  
    del(w[len(w)-1-l[i]])
```

```
for i in ans:  
    print(i,end=' '  
print()
```