

```
void union_Sq(SqList La, SqList Lb) {
    ElemType e;
    int La_len = ListLength_Sq(La);
    int Lb_len = ListLength_Sq(Lb);

    for (int i=1; i<=Lb_len; i++) {
        GetElem_Sq(Lb, i, &e);
        // If the number in La[n] != Lb[n] are not the same
        if(!LocateElem_Sq(&La, e, compare))
            ListInsert_Sq(&La, ++La_len, e);
    }
}
```

1.

La		Lb	
1	[0]	4	[0]
2	[1]	5	[1]
3	[2]		

2.

La		Lb	
1	[0]	4	[0]
2	[1]	5	[1]
3	[2]		
4	[3]		

3.

La		Lb	
1	[0]	4	[0]
2	[1]	5	[1]
3	[2]		
4	[3]		
5	[4]		