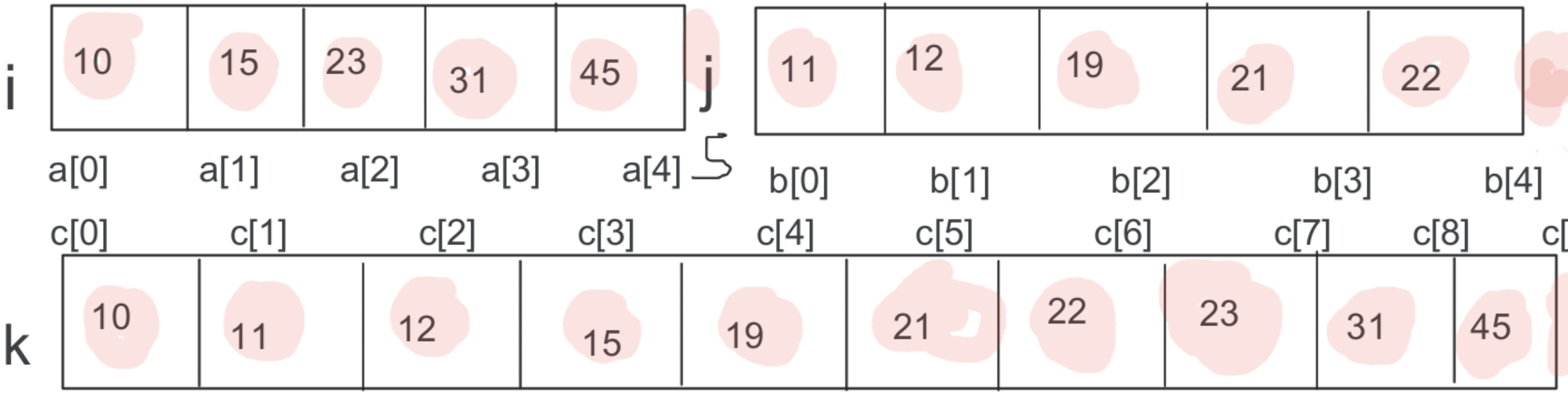


```
void merge (int a[],intb[],int c[],ints1,int s2)
{
        int i ,j, k;
        i=0,j=0;
       for(k=0;k<s1+s2;k++)
       {
              if(a[i]<b[j])
                 c[k] = a[i++]
              else
                 if(i==s1 || j==s2)
                        break;
              }
              for(++k;k<s1+s2;k++)
              {
                     if(i!=s1)
                        c[k]=a[i++]

                     if(j!=s2)
                        c[k]=b[j++]
```