

```
Int sllinsert Before Spec (sllingt "1, void " date, void " key,
Int (Con8) (void " Void ") &
SI Node = new node, = cur, = grev;
  int stoot;
  1f((!= NULL) &
     A(LI=NULL) {
         cur=1->First;
         Prev = Null;
         Strat = complikey, cov- xdate);
         While (strat!= true & d cvr-> Next }= NULL) }
                Prev= cur;
                cur = cur -> next;
                Storat = complety, cur -> dutal;
          if (set rat == true) }
              no od new node = (Si Node +) wallow (Size of (sinude));
              If (newnode != nucl) 5
                 new notile -> deta = dotto;
                 If ( Prev ! = NULL) {
                  heunode -> next= cur;
                    Preu - next = new hools:
                     return true;
                     newnde-snext scur;
                     1-> first = new node;
                      return tereu;
    returfalse in 1819
```

```
int sllin sert Be fore Pesimo (sllist #1, void * data, int P) &
   stroole "new node, " Eur, " Prev;
   Int 1 = 0;
   # ( L! = WULL ) &
      if LLt= NULL) &
        cur = 6-2 first;
        Prev= NULL;
         Muniteciap & Q cur-> next != NULL) &
            Prev= cor;
            cur > cur -> next;
           itt;
           new node = (Sinode ") malloc(size of (sinode));
           if ( new node ! = NULL) {
               new node >> data = data;
               if ( Prev /= NULL) }
                     new node -> next = cory
                     prev -> next = new node
                     return true:
                3 elge q
                    new node -> next = cur;
                     L -> first - new note;
                     return true;
    return false,
```



```
Void " SII remove Spec (Sllist " l, void * key, int ("comp) (void", vad ") }
    5 I Woode & new noode, & cur, & Prec;
   int stat, data;
    If (P! = NULL) &
       if ( 8 1 = NULL) &
            cur: 1-> first;
            Prev= NULL;
             Stat = conp(Key, Wr-> date);
             While (stat != true dd eur => next!= WULL) {
                  Prev = cvr',
                  cur = cur-snext;
                   stat = conp( key, cur -> data);
             if (Statestrue) {
                 date = cur- > data;
                If (Prev! = NULL) {
                    Prev-> next = wr->next;
                 3 elses
                 1 -> first = cur > next;
                 free(cvr);
                 return data;
   return NULL,
```