

プログラム全体

(4)

#include &lt;stdio.h&gt;

```
struct cell{
    int key;
    struct cell *next;
};
```

ソースコードにセグメント

(1)

関数 insert

```
void insert(int x, struct cell *p, struct cell *L){
    struct cell *neo;
    struct cell *q;

    neo = (struct cell*)malloc(sizeof(struct cell));
    q = p -> next;
    p -> next = neo;
    neo -> key = x;
    neo -> next = q;
}
```

(2)

関数 insert\_tail

```
void insert_tail(int x, struct cell *L){
    struct cell *p;

    p = L -> next;
    while(p != NULL){
        p = p -> next;
    }
    insert(x, p, L);
}
```

(3)

関数 print\_list

```
void print_list(struct cell *L){
    struct cell *p;

    p = L;

    while(p -> next != NULL){
        printf("%d", p -> key);
        p = p -> next;
    }
}
```