

# CS 326 Heap Allocation

Unrustify  
VS code  
micro

## Linked Lists

struct pair {

struct list\_elem elem;

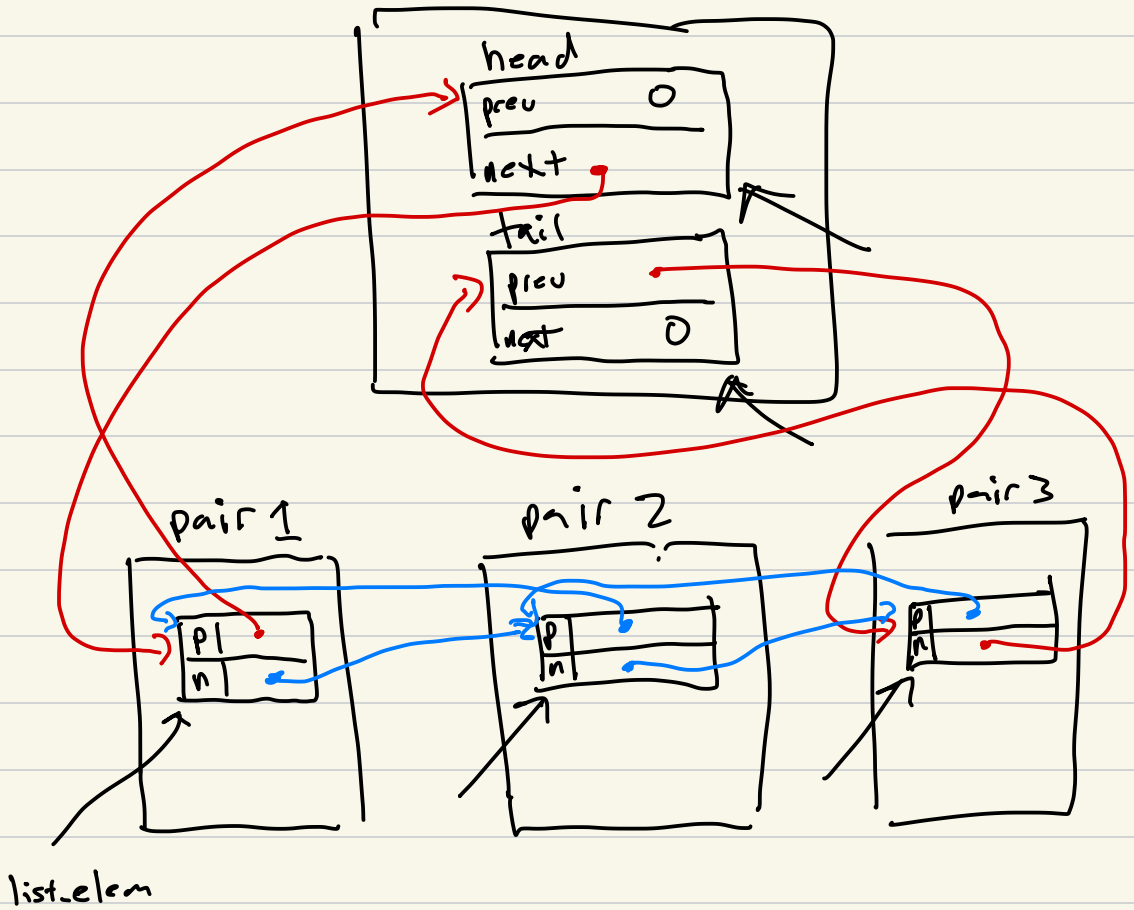
char key[128];

char value[128];

};

struct list mylist;

Struct list mylist



```
struct foo {  
    int x;   
    int y;  
};
```

3

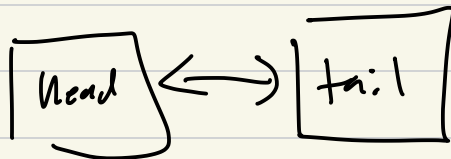
```
struct foo myfoo;
```

```
struct foo *foo_p;
```

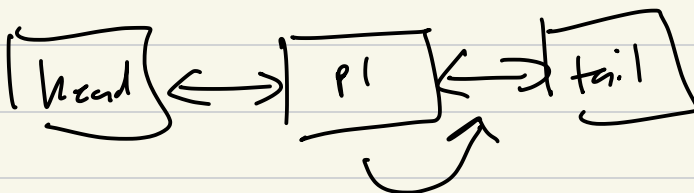
```
foo_p = &myfoo;
```

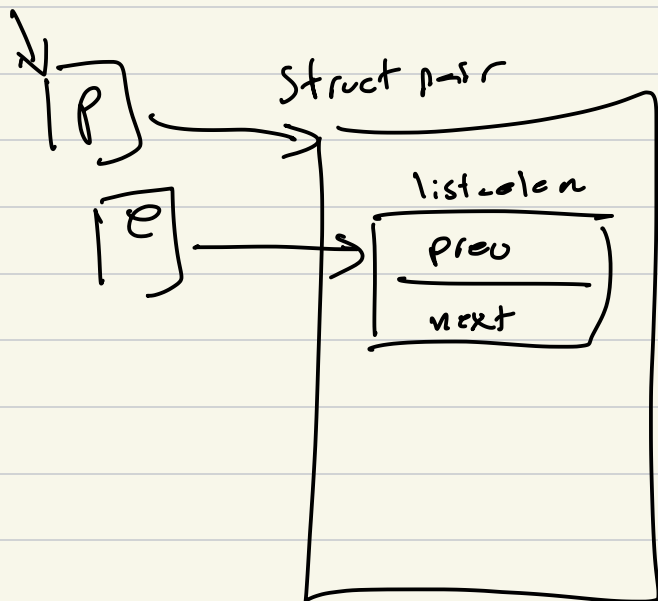
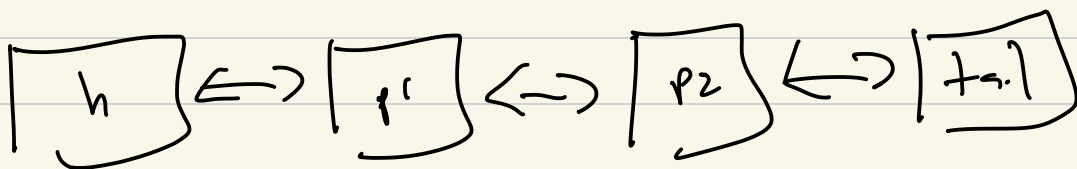
```
foo_p->x = 1;
```

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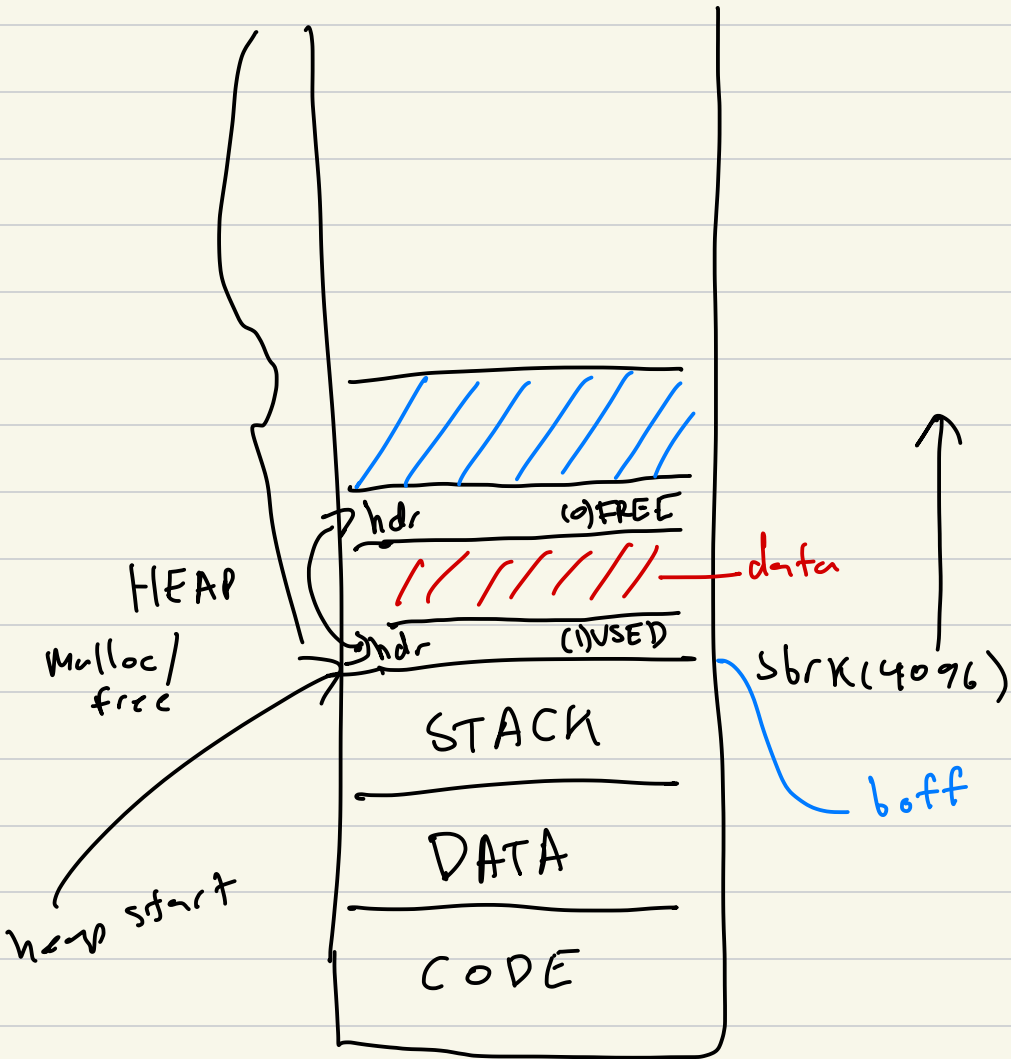


```
list-push-back(lp, &elem)
```





# Heap Allocation



```
p = malloc(32)
```

```
free(p)
```

