

# 第二次作业

2019211504

王乾凯

## 手机热点连接方式

```
# kgkg @ wangqiankaideMacBook-Pro in ~ [12:29:37]
$ ifconfig en0
en0: flags=8863<UP,BROADCAST,SMART,RUNNING,SIMPLEX,MULTICAST> mtu 1500
    options=6463<RXCSUM,TXCSUM,TS04,TS06,CHANNEL_IO,PARTIAL_CSUM,ZEROINVERT_CSUM>
    ether f4:d4:88:68:c0:ba
    inet6 fe80::456:be90:e0d0:c1c2%en0 prefixlen 64 secured scopeid 0xe
    inet 192.168.3.87 netmask 0xffffffff broadcast 192.168.3.255
    inet6 2408:8234:610:bdf3:805:69bf:1c4e:9a30 prefixlen 64 autoconf secured
    inet6 2408:8234:610:bdf3:39ba:d365:1e0e:9b66 prefixlen 64 deprecated autoconf temporary
    inet6 2408:8234:610:bdf3:485d:417f:8d9:6675 prefixlen 64 autoconf temporary
    inet6 2408:8234:610:bdf3:8810:8fc6:5683:3 prefixlen 64 dynamic
    nd6 options=201<PERFORMNUD,DAD>
    media: autoselect
    status: active
```

```
llw0: flags=8863<UP,BROADCAST,SMART,RUNNING,SIMPLEX,MULTICAST> mtu 1500
    options=400<CHANNEL_IO>
    ether aa:ba:b2:95:21:a8
    inet6 fe80::a8ba:b2ff:fe95:21a8%llw0 prefixlen 64 scopeid 0x12
    nd6 options=201<PERFORMNUD,DAD>
    media: autoselect
    status: active
```

```
llw0: flags=8863<UP,BROADCAST,SMART,RUNNING,SIMPLEX,MULTICAST> mtu 1500
    options=400<CHANNEL_IO>
    ether aa:ba:b2:95:21:a8
    inet6 fe80::a8ba:b2ff:fe95:21a8%llw0 prefixlen 64 scopeid 0x12
    nd6 options=201<PERFORMNUD,DAD>
    media: autoselect
    status: active
```

在众多的active的网卡中，除了en0（即本机网卡）inet6与以太网地址（mac地址）对不上之外，其他都可以对应上。

对应关系是在把mac地址第24位开始填充0xffee，然后前64位连接fe80::。

我们分配的ipv6前缀为2408:8234:610:bdf3 是吉林长春南关区的。