Dynamic NAT and PAT overload

Configure the router's inside interface

```
Router(config)#interface fa0/0
Router(config-if)#ip nat inside
Router(config-if)#exit
```

Configure the router's outside interface

```
Router(config)#interface eth0/0/0
Router(config-if)#ip nat outside
Router(config-if)#exit
```

Configure an ACL that has a list of the inside source addresses that will be translated.

```
Router(config)#access-list 1 permit 192.168.0.0 0.0.0.255
```

> NOTE:The access list configured above matches all hosts from the 192.168.0.0/24 subnet.

Configure the pool of global IP addresses

```
Router(config)#ip nat pool MY_POOL 4.4.4.1 4.4.4.5 netmask 255.255.255.0
```

> NOTE: The pool configured above consists of 5 addresses: 4.4.4.1, 4.4.4.2, 4.4.4.3, 4.4.4.4, and 4.4.4.5.

Enable dynamic NAT

```
Router(config)#ip nat inside source list 1 pool MY_POOL
```

To make that with overload (PAT) we have to add `overload` at the end of the command

```
Router(config)#ip nat inside source list 1 pool MY_POOL overload
```

> NOTE: The command above instructs the router to translate all addresses specified in the access list 1 to the pool of global addresses called MY_POOL.

Save config

```
do wr
```