



**Perphoroptimisation**

**You kind ‘prep’ into machined instructions**

push rax

pop rax

```
mul rax, 2
```



shl rax



```
mul rax, 2
```



# Peephole optimisation

You kind of “peep” into machine code instructions

push rax

pop rax

mul rax, 2



mul rax, 2



shl rax

# **Local optimisation**

**Applies to a linear code execution only**