

CPU

Thread 1

```
do i = 1, 4  
  x[i] = k*x[i]
```

CPU

Thread 2

```
do i = 5, 8  
  x[i] = k*x[i]
```

x[1]

x[2]

x[3]

x[4]

x[5]

x[6]

x[7]

x[8]

MEMORY