

MPI Process 1

CPU

```
do i = start, end  
  x[i] = k*x[i]
```

x[1]	x[2]	x[3]	x[4]
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MEM

MPI

MPI Process 2

CPU

```
do i = start, end  
  x[i] = k*x[i]
```

x[5]	x[6]	x[7]	x[8]
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MEM