

```
for (int i = 0; i < 4096; ++i) {  
    a[i] = c*b[i];  
}
```

32

32

32

32

32

1K threads

32

1K threads

32

1K threads

32

1K threads

```
for (int i = 0 ; i < 1K; ++i) {  
    a[i] = c*b[i];  
}
```

```
for (int i = 1K; i < 2K; ++i) {  
    a[i] = c*b[i];  
}
```

```
for (int i = 2K; i < 3K; ++i) {  
    a[i] = c*b[i];  
}
```

```
for (int i = 3K; i < 4K; ++i) {  
    a[i] = c*b[i];  
}
```

Gang Partitioned

Worker Single

Vector Single