```
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 Partitioned

Vector Partitioned