

```
//Run by each thread block of BE kernel  
//Global array num_blks[num_SMs]  
BE_Kernel(...) {  
    sm_id = get_sm_id();  
    blk_id = atomic_get_blk_id();  
    while(task_queue is non-empty) {  
        if( blk_id > num_blks[sm_id]) quit;  
        else {  
            task = pull_task();  
            execute(task);  
        }  
    }}
```