

**//n: number of SMs to yield blocks**

**//k: number of blocks to yield**

**BE\_Kernel(...) {**

**sm\_id = get\_sm\_id();**

**blk\_id = atomic\_get\_blk\_id();**

**while(task\_queue is non-empty) {**

**if( sm\_id < n && blk\_id > num\_blks[sm\_id]) quit;**

**else {**

**task = pull\_task();**

**execute(task);**

**} } }**