Tiled Matrix-Matrix Multiplication

Please note: the kernel below is incomplete, as it requires consideration of boundary conditions.

```
__shared__ float A_s[TILE_DIM][TILE_DIM];
                                                   Declare arrays in shared memory
__shared__ float B_s[TILE_DIM][TILE_DIM];
unsigned int row = blockIdx.y*blockDim.y + threadIdx.y;
unsigned int col = blockIdx.x*blockDim.x + threadIdx.x;
float sum = 0.0f;
for(unsigned int tile = 0; tile < N/TILE_DIM; ++tile) {</pre>
    // Load tile to shared memory
    A_s[threadIdx.y][threadIdx.x] = A[row*N + tile*TILE_DIM + threadIdx.x];
    B_s[threadIdx.y][threadIdx.x] = B[(tile*TILE_DIM + threadIdx.y)*N + col];
    __syncthreads();
                          Threads wait for each other to finish loading before computing
    // Compute with tile
    for(unsigned int i = 0; i < TILE_DIM; ++i) {</pre>
        sum += A_s[threadIdx.y][i]*B_s[i][threadIdx.x];
    __syncthreads();
                          Threads wait for each other to finish computing before loading
}
C[row*N + col] = sum;
```