```
void matrix_mult_nonthreaded(){
         int i,j,k;
        for(i=0;i<A_HEIGHT;i++){</pre>
                 for(j=0;j<B_WIDTH;j++){</pre>
                          for(k=0; k<AB_SHARED; k++) {</pre>
                                   C[i][j]+=A[i][k]*B[k][i];
                          }
                 }
         return;
}
void* matrix_mult_threaded(void* id){
         int threadID=(int)id;
         int i,j,k;
        int num rows per thread=A HEIGHT/threads available;
        int leftover rows=A HEIGHT%threads available;
        int start_row=threadID*num_rows_per_thread;
        int stop row=start row+num rows per thread;
        if(threadID==threads available-1)
                 stop_row=stop_row+leftover_rows;
        for(i=start_row;i<stop_row;i++){</pre>
                 for(j=0; j<B_WIDTH; j++) {</pre>
                          for(k=0; k<AB_SHARED; k++) {</pre>
                                   C[i][j]+=A[i][k]*B[k][i];
                          }
                 }
         return NULL;
}
```