Parallel Programming Assignment 3 W Daniel Crankshaw

1)

I would characterize this as a dis run on each process, and the division process is responsible for processing. Work well when the program needs to distance both data sharing and ordering deposite of the local data of its (spatial) needs to directly below it in the global grid, which the next process (in the circular messal process. Also, there are ordering deposite ocal data before they can share it with calculated the entire new iteration's continuation. In other words, all processes to the next one. This ordering dependent

This is a geometric decomposit decomposition, and it is a linear decomproblem, and is a SPMD (single procesuse of geometric decomposition.

- c. I am going to exclude process (discussion. In both decomposition for each iteration so it can print needs two copies of its local dakeep track of the old iteration up 2\*ROWS/N \* COLUMNS (or (2\*above and just below it. This ac ROWS/N \* COLUMNS + 2 \* CO needs 2 copies of the local data geometric decomposition. But it adjacent rows and columns, plu total of 2\*C\*R/N + 4\*R/N^.5 + 4\*The geometric decomposition is
- d. The geometric decomposition is rectangular (e.g. no longer squa message passing scheme is more being passed). Also, I believe p flexible is because the grid is an about it recursively is difficult and decomposition being much more