

# Machine Problem 6 Report

Authors: Clifton Sims, Chris Comeaux

## Question 1:

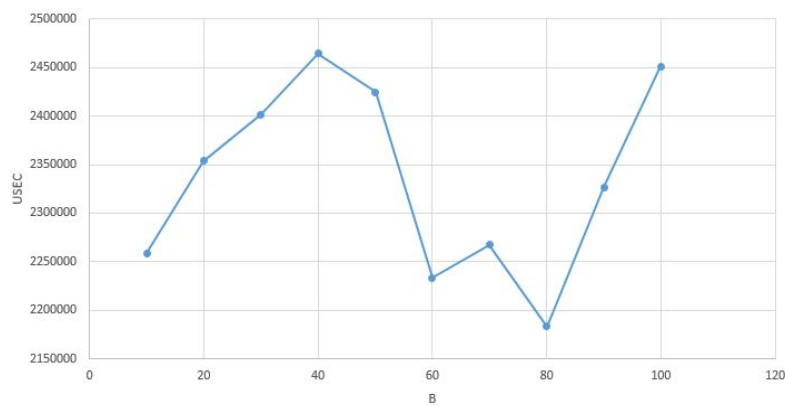
The times seem to be a little bit better than MP5 with how fast it's completed as threads are increased. Which makes sense because in MP5 things were being executed one at a time for each step of the process and with MP6, each step is being done all at once.

## Question 2:

$N = 10000$

$W = 50$

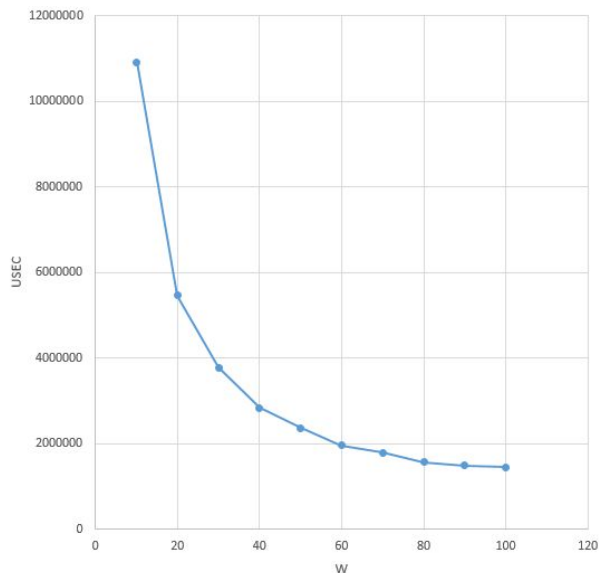
The size of the buffer does really change the resulting time (compared to the number of threads, graph #2) as the number of thread remains a constant of 50.



$N = 10000$

$B = 50$

Similar to MP5, as the threads increase, the resulting time becomes quicker



**Question 3:**

We used the terminal on <https://ide.c9.io> which seems to be using ubuntu Linux.