



Based on my plot, it's evident that the code achieves its best performance when the number of threads ( $t$ ) is set to 8. Regarding the plot for task2(d), question 2, we can draw the conclusion that as the value of  $N$  increases, the hybrid compilation approach outperforms the others. Consequently, when dealing with smaller sizes, pure OpenMP tends to be more efficient. However, as the size grows larger, the hybrid method proves to be the superior choice.