The program runs faster with more than one process. Since if only one process, it need to check all 30 files, but if there are more than one process, each process will divide all 30 work and it will make our speed faster.

In our program , only one process need 36.69s, four processes will take 21.96s, and 10 processes will take 18.5098 and 29 processes will take 19.6313s which is larger than 10 processes

But if we have too many processes, then parent process need to deal with too many data from children processes, this will cost time and can even make our time longer than fewer processes.

This result surprise me, since I originally think more processes means faster, but actually it's not, we need to find the most efficient number of process to deal with big data.