

Practica 4

Paweł Jędrzejczyk
Wojciech Paczeński

Eje 1

Time of sequential version: **25.196**

Time of parallel version: **72.669**

The parallel version is slower because program creates unlimited number of processes. Time wasted to create a large number of new processes makes the program inefficient.

Eje 2

Time of parallel version with unlimited number of processes: **72.669**

Time of parallel version with fixed number of processes: **9.1256**

Version with fixed number of processes is faster because program doesn't waste the time to create large number of processes so we can more effectively use parallel programming

Eje 4

Time of sequential version: **25.196**

Time when using Pool class: **6.110**

Using Pool class parallelize the downloading of files and makes the program run faster. The Pool class handles all the complexities of process management, such as process creation, communication, and termination.