



MASSEY UNIVERSITY  
TE KUNENGA KI PŪREHUROA  

---

UNIVERSITY OF NEW ZEALAND

## **Assignment 2**

Report

by

Name: Mr. Ruhunukankanamage Fernando

Student ID: 23014648

No processes	Problem size	Execution time
2	1000	0.0007671
3		0.0011234
4		0.0017393
2	100000	0.0131172
3		0.0130765
4		0.0107294
2	10000000	1.77942
3		1.29532
4		1.07535
2	100000000	21.8161
3		16.4822
4		14.7266

These results are expected according to Gustaffson's Law. when the problem size is 1000 the parallelization effect is not even matter but when the problem size increase then slowly the parallelization effect becomes to appear more this obeys Gustaffson's Law

