Assignment 3

	11371g viriality			
1.	1. CPU utilization = 1-0.758 ≈ 90°/0			
2. [1] 1] 2 3 3 4 1 1 5 5 5 5 5 1 1 1				
3. [1] 1 [2] 1 3 [4 [4] 3 [1] 3 [5] 1 [5] 1 [5] 1 [5] 1 [5] 1] 22				
4. [1] 11 11 11 12 4 3 3 3 5 5 5 5 5 5 1 1 1 1 1 1 1 1 1 2 22				
6. The results are very close to expected. The threads less because multithreading divides the workload compared to original. # threads observed timing observed speedup expected speedup				
	Fl threads	observed tuning	observed speedup	expected speed up
	matgery bankers	18,983	1.0	1.0
	0 110	18.951	1.0	1. 0
X	2	10.235	1.9	2.0
, i)	7.463	2.5	3.0
3	9 4	5.822	3.3	4.0
wedliow	8	4.629	4.1	8.0
3	16	4.251	4.5	16.0
	original program	6.435	1.0	1.0
hord, txt		6.429	1.0	1.6
	7	3.301	1.9	2.0
	3	21197	2.9	3.0
	4	1.661	3.9	4.0
3	8	0.834	7.7	8.0
	16	0.422	15.2	16.0
	ortoinal program	(6.645	1.0	1.0
ţ	or of the state of	6,558	1.0	1.0
	2	3.320	2.0	2.0
+	3	2.196	3,0	3.0
rord2.4x+	4	1.679	4.0	4.0
2	8	0.835	8.0	8.0 Hibrory
	16	0.456	14.6	16.0