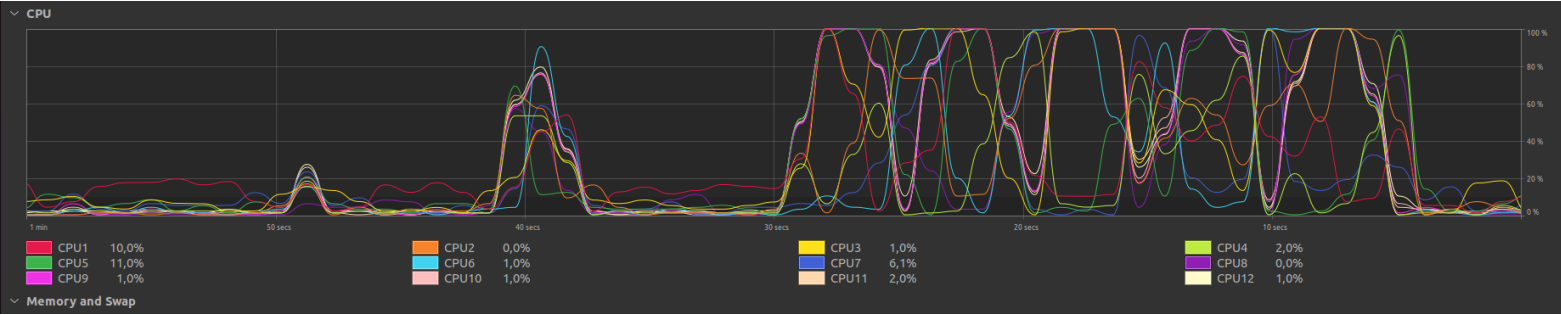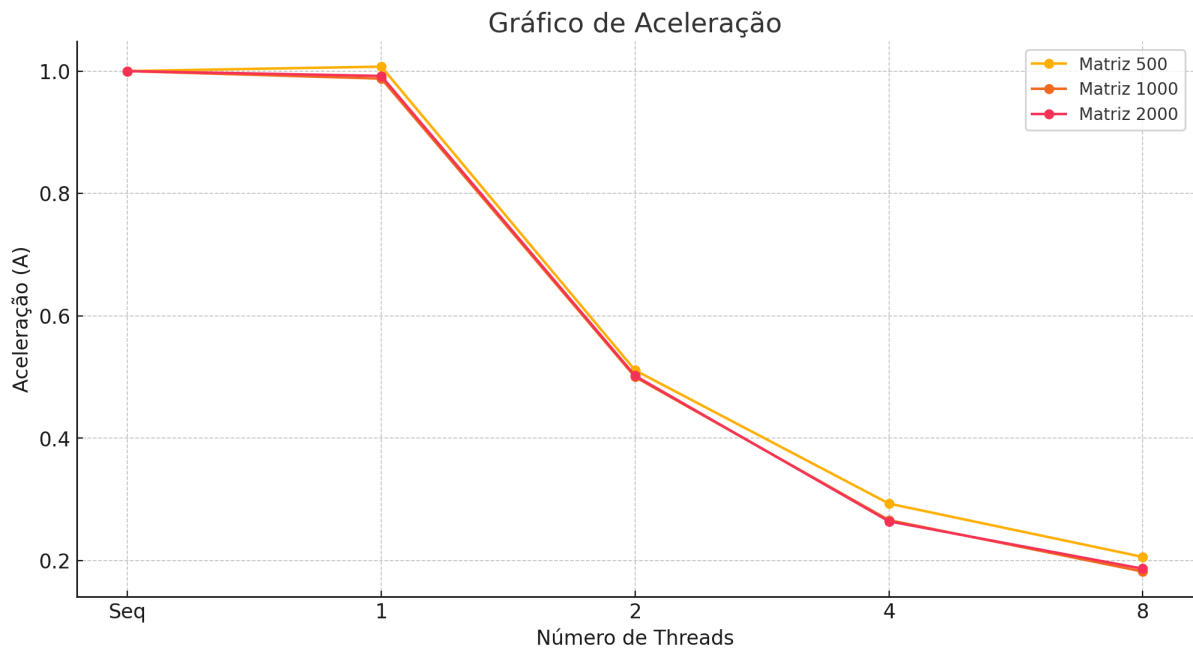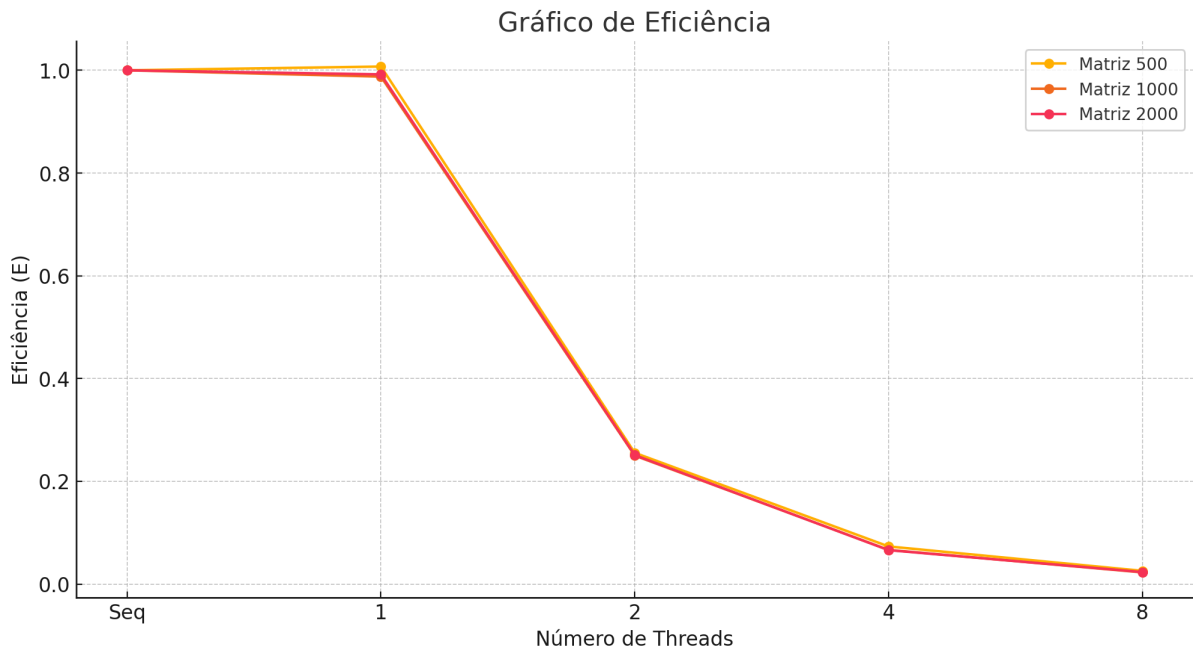Relatório Lab 3 - Computação Concorrente
Prof: Silvana Rossetto
Aluno: Tales Moreira
DRE: 119047549

Tamanho da Matriz	500	500	500	500	500	1000	1000	1000	1000	1000	2000	2000	2000	2000	2000
Número de thread	Seq	1	2	4	8	Seq	1	2	4	8	Seq	1	2	4	8
Tempo 1	2,78E+05	2,84E+05	1,45E+05	8,25E+04	5,91E+04	2,43E+06	2,42E+06	1,23E+06	6,52E+05	4,45E+05	2,52E+07	2,51E+07	1,28E+07	6,69E+06	4,72E+06
Tempo 2	2,74E+05	2,74E+05	1,41E+05	7,60E+04	5,45E+04	2,45E+06	2,39E+06	1,23E+06	6,48E+05	4,41E+05	2,53E+07	2,53E+07	1,28E+07	6,69E+06	4,72E+06
Tempo 3	2,74E+05	2,74E+05	1,38E+05	8,18E+04	5,75E+04	2,43E+06	2,42E+06	1,21E+06	6,49E+05	4,48E+05	2,53E+07	2,53E+07	1,28E+07	6,68E+06	4,73E+06
Tempo 4	2,74E+05	2,73E+05	1,38E+05	7,85E+04	5,60E+04	2,44E+06	2,42E+06	1,22E+06	6,42E+05	4,45E+05	2,52E+07	2,49E+07	1,26E+07	6,70E+06	4,71E+06
Tempo 5	2,73E+05	2,76E+05	1,38E+05	8,26E+04	5,50E+04	2,43E+06	2,40E+06	1,22E+06	6,53E+05	4,42E+05	2,54E+07	2,49E+07	1,26E+07	6,67E+06	4,72E+06
Média	2,74E+05	2,76E+05	1,40E+05	8,03E+04	5,64E+04	2,44E+06	2,41E+06	1,22E+06	6,49E+05	4,44E+05	2,53E+07	2,51E+07	1,27E+07	6,68E+06	4,72E+06

Gráfico de Eficiência

Gráfico de Aceleração

Monitoramento da CPU rodando o script com 8 threads; Primeiro spike, matriz 500x500, segundo spike, matriz 1000x1000, terceiro spike, matriz 2000x2000.

Informações da máquina na qual os scripts foram rodados.

id:	cpu
description:	CPU
product:	12th Gen Intel(R) Core(TM) i5-12450H
vendor:	Intel Corp.
physical id:	4
bus info:	cpu@0
version:	6.154.3
serial:	To Be Filled By O.E.M.
slot:	U3E1
size:	3890MHz
capacity:	4400MHz
width:	64 bits
clock:	100MHz
configuration:	

cores	=	8
enabledcores	=	8
microcode	=	1075
threads	=	12