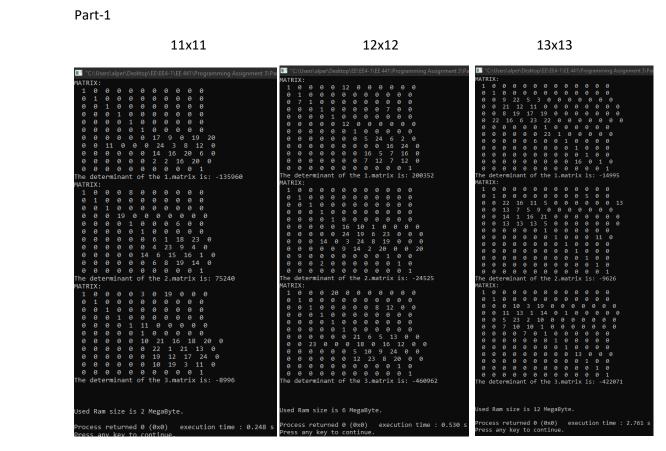
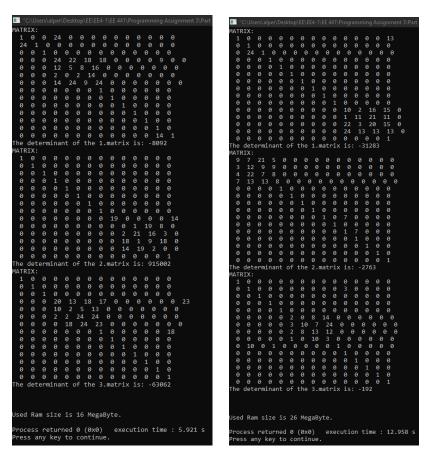
Part-1

12x12 13x13

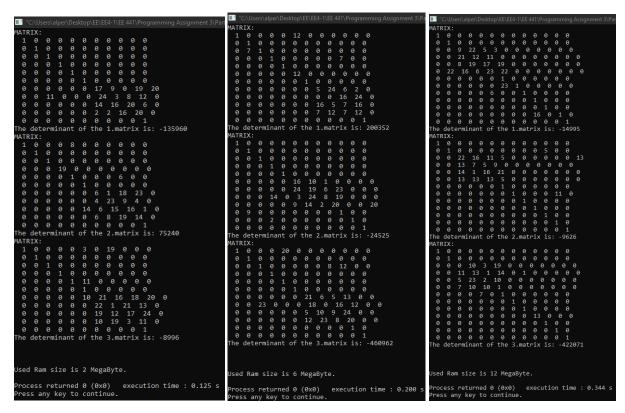


14x14 15x15



Part-2

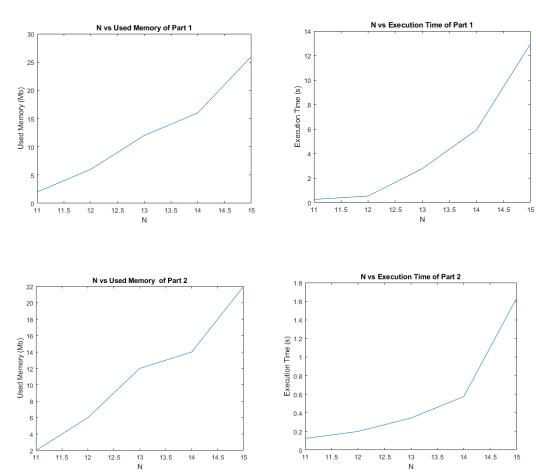
11x11 12x12 13x13



14x14 15x15

	_
"C:\Users\alper\Desktop\EE\EE4-1\EE 441\Programming Assignment 3\Part	"C:\Users\alper\Desktop\EE\EE4-1\EE 441\Programming Assign MATRIX:
MATRIX: 1 0 0 24 0 0 0 0 0 0 0 0 0	MAIRIX: 1 0 0 0 0 0 0 0 0 0 0 0 0 1
24 1 0 0 0 0 0 0 0 0 0 0	01000000000000
0 0 1 0 0 0 0 0 0 0 0 0 0	0 24 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 24 22 18 18 0 0 0 0 9 0 0	0 0 0 0 1 0 0 0 0 0 0 0 0 0 0
0 0 0 12 5 8 16 0 0 0 0 0 0	0 0 0 0 0 1 0 0 0 0 0 0 0 0
0 0 0 2 0 2 14 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 1 0 0 0 0 0 0 0
0 0 0 0 0 0 0 1 0 0 0 0 0	00000001000000
0 0 0 0 0 0 0 1 0 0 0 0	0 0 0 0 0 0 0 0 1 0 0 0 0
0 0 0 0 0 0 0 0 0 1 0 0 0 0	0 0 0 0 0 0 0 0 0 10 2 16 19
0 0 0 0 0 0 0 0 0 0 1 0 0 0	0 0 0 0 0 0 0 0 0 0 1 11 21 1:
0 0 0 0 0 0 0 0 0 0 0 1 0	0 0 0 0 0 0 0 0 0 0 24 13 13 13
0 0 0 0 0 0 0 0 0 0 0 14 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0
The determinant of the 1.matrix is: -8092	The determinant of the 1.matrix is: -31283 MATRIX:
MATRIX: 1000000000000000	9 7 21 5 0 0 0 0 0 0 0 0 0
0 1 0 0 0 0 0 0 0 0 0 0 0	3 12 9 9 0 0 0 0 0 0 0 0 0
0 0 1 0 0 0 0 0 0 0 0 0 0	4 22 7 8 0 0 0 0 0 0 0 0 0 0 0 7 13 13 8 0 0 0 0 0 0 0 0 0 0
0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7 13 13 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 1 0 0 0 0 0 0 0 0
0 0 0 0 0 0 1 0 0 0 0 0 0	$\begin{smallmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 $
0 0 0 0 0 0 0 1 0 0 0 0 0 0	00000001000000
0 0 0 0 0 0 0 0 19 0 0 0 0 14	0 0 0 0 0 0 0 0 1 0 0 0 0
0 0 0 0 0 0 0 0 0 2 21 16 3 0	0 0 0 0 0 0 0 0 0 1 7 0 0 6
0 0 0 0 0 0 0 0 0 18 1 9 18 0	$\begin{smallmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 $
0 0 0 0 0 0 0 0 14 19 2 0 0	0 0 0 0 0 0 0 0 0 0 0 0 1
0 0 0 0 0 0 0 0 0 0 0 0 1 The determinant of the 2.matrix is: 915002	0 0 0 0 0 0 0 0 0 0 0 0 0 0
The determinant of the 2.matrix is: 915002 MATRIX:	The determinant of the 2.matrix is: -2763 MATRIX:
1 0 0 0 0 0 0 0 0 0 0 0 0	100000000000000
0 1 0 0 0 0 0 0 0 0 0 0 0	0 1 0 0 0 0 0 0 0 0 3 0 0 0
0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	001000000000000
0 0 0 10 2 5 13 0 0 0 0 0 0 0	0 0 0 0 1 0 0 0 0 0 0 0 0 0
0 0 0 2 2 24 24 0 0 0 0 0 0 0	0 0 0 0 0 2 0 8 14 0 0 0 0
0 0 0 0 18 24 23 0 0 0 0 0 0 0	0 0 0 0 0 3 10 7 24 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 1 0 0 0 0 0 18	0 0 0 0 0 1 0 10 3 0 0 0 0
0 0 0 0 0 0 0 0 0 1 0 0 0 0	0 10 0 1 0 0 0 0 0 1 0 0 0
0 0 0 0 0 0 0 0 0 1 0 0 0	$\begin{smallmatrix} 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 $
0 0 0 0 0 0 0 0 0 0 0 1 0 0	0 0 0 0 0 0 0 0 0 0 0 1 0 0
0 0 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 1
The determinant of the 3.matrix is: -63062	0 0 0 0 0 0 0 0 0 0 0 0 0 0 1 The determinant of the 3.matrix is: -192
	The decerminant of the 3.matrix is: -192
Used Ram size is 14 MegaByte.	Used Pam size is 22 MegaPute
osea kam size is i4 negabyte.	Used Ram size is 22 MegaByte.
Process returned 0 (0x0) execution time : 0.575 s	Process returned 0 (0x0) execution time : 1
Press any key to continue.	Press any key to continue.

Part-3



In all parts, while ram usage increases linearly but we cannot say the same thing for execution time. Since reaching the nodes of the tree is getting harder, execution time becomes increasing logarithmically.