Last name			
First name		Grade	
Group		Grade	
	Algorithmics Undergraduate 1^{st} yea Test $\#2$ (C2) 9 Mar. 2016 - 9:3 (D.S. 307186.87 BW) Answer Sheets	,	1.1 1.2 2.1 2.2

The tree B_2 :

1 Expressions and trees

Answers 1.1 (Draw me -5 points)

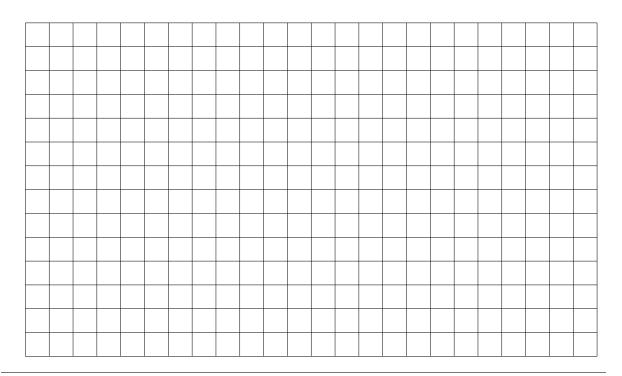
The tree B_1 :

	Value:		Value:
ml , p			<u> </u>
I ne tree B_3 :		The tree B_4 :	
The tree B_3 :		The tree B_4 :	
The tree B_3 :		The tree B_4 :	
The tree B_3 :		The tree B_4 :	
The tree B_3 :		The tree B_4 :	
The tree B_3 :		The tree B_4 :	
The tree B_3 :		The tree B_4 :	
The tree B_3 :		The tree B_4 :	
The tree B_3 :		The tree B_4 :	
The tree B_3 :		The tree B_4 :	

Answers 1.2 (Count me – 3 points)

Specifications:

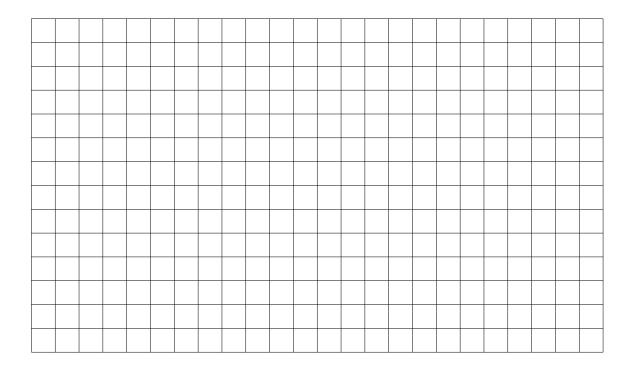
The function nodes(B) computes the operator number op and the operand number val of the tree B. It returns the pair (op, val).



Answers 1.3 (Display me – 3 points)

Specifications:

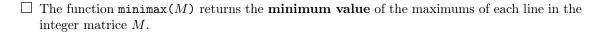
The function exp2str(B) returns a string of the expression, fully parenthesized, represented by the tree B.

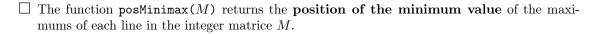


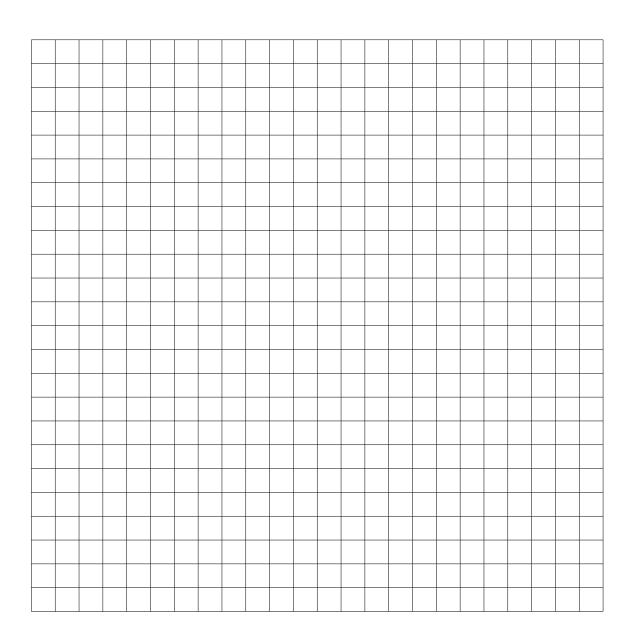
2 Some matrices

Answers 2.1 (Minimax – 5 points)

Specifications: (Show the chosen version)







Answers 2.2 (Symmetry – 5 points)

${\bf Specifications:}$

The function $\operatorname{\mathsf{symetric}}(M)$ tests whether the matrix M has a vertical axis of symmetry (horizontal symmetry).

