Keview: 100 100 Grida Vector (char)
Vector (char)
Vector (string)
Mentor (string)
Me temples parameter Qrid へった> Lecture 15 , [] metrix (3,4);

									Voctor Cist >	Vector < Vector < int>> b	Grid < 1/2 / 7	

member	Junchin
9.8ct (2, C)	xehuns velue et given xon/col
8. 8:81 (V)	set energy cell he should
bool g.inBounds(x,c)	returns true if giver position
S. nun Colo() S. width ()	
g.numRows() g.height()	# 1 2005
5	disconding old contents

/ I \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	stores velue et given 200/col seture shirty referencement. " { { 1, 3} } { -3, 2} }"
cout (SS g stream operated	
Y cout << g.ty String ()	

Grid cit > 8. Resize (5/6) / / 5 x 6 8. fill (0); 8; //o×0

Looping over grids

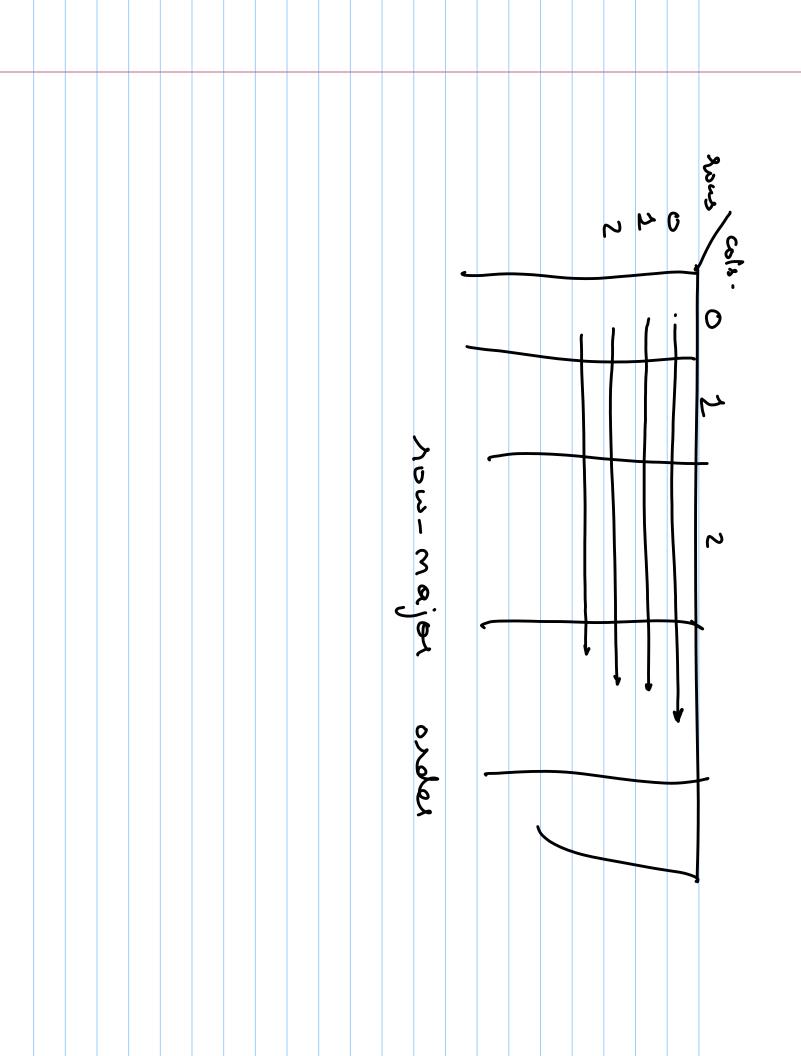
for (1 int 200; 2 < g. numRous(); 1+1) for (int c=0; << g.num Cola(); <+) {

11 do someting with g Ca T (c)

cont << g[x][c] << end()

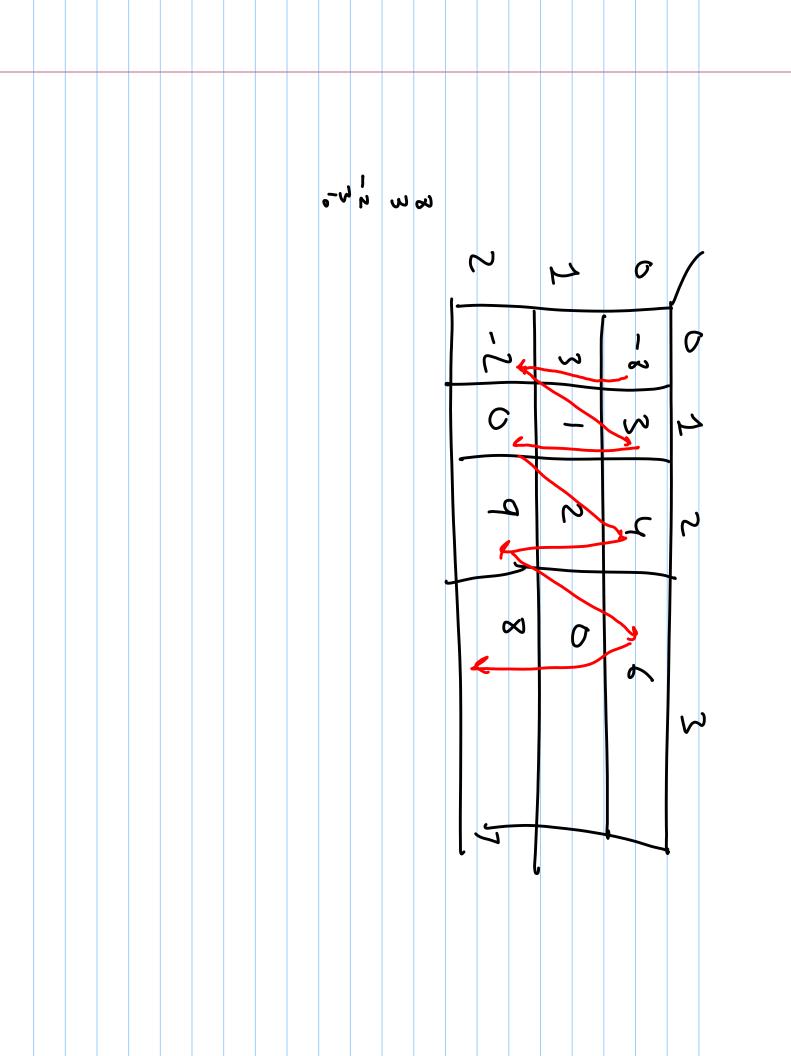
8 [1] (c] = 1+c;

W

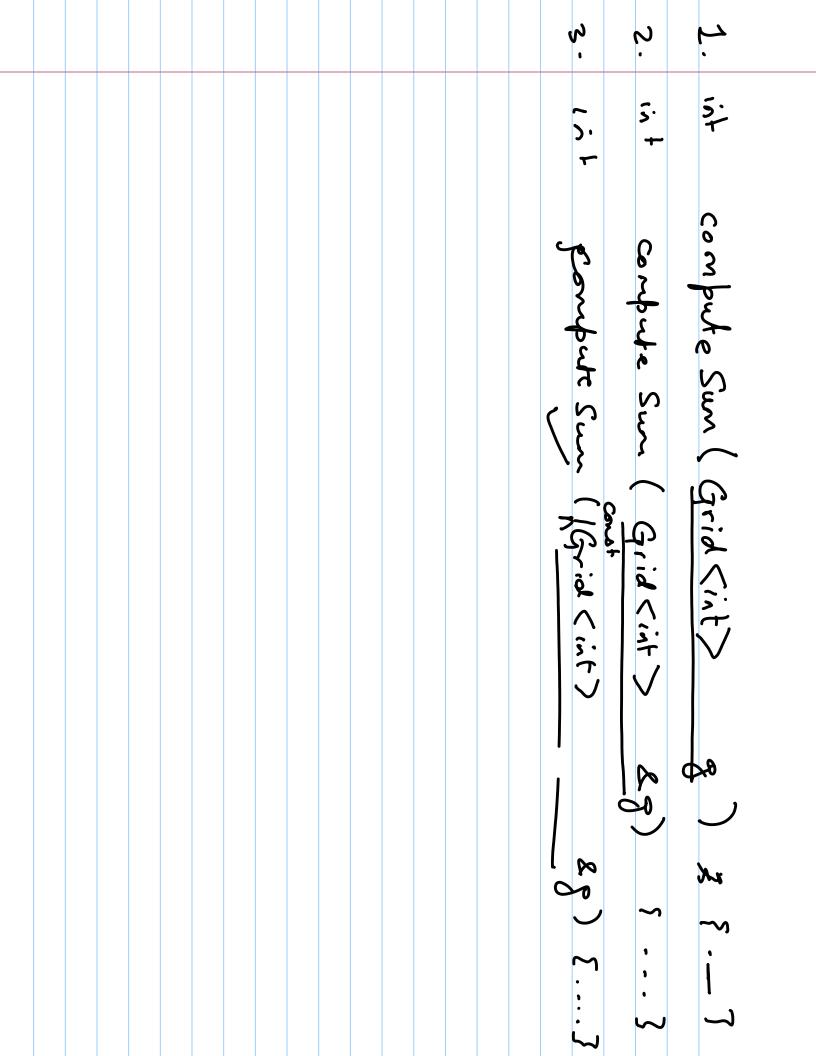


Column - major

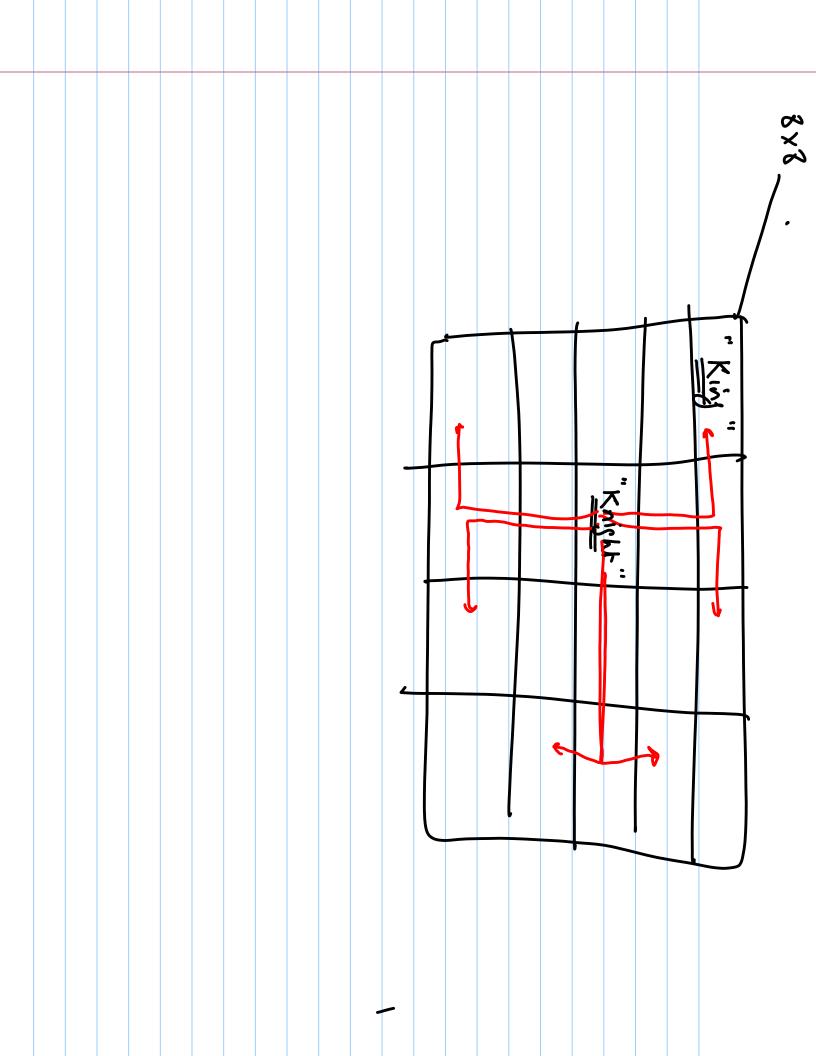
(int c = 0; c < g.nuncola(); (++) for (sixt x=0; x < g.nun(); x++) // do 4 something with p[x][c] << } () () () ()



9 tox-eech // do something with value 1 order is son-major value 900 00



									X				X	
									~		, \		<u>.</u>	
								((S)				void	
									iswest (Griss Sist)		・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・		is weat (Grid <it></it>	
									aut so)	A J		0	,	



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Knight Can Move ( Grid < string >
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                                                                                              8 2 4
                                                         return
                                                                              ر
م
                                                                                 ()
                                                                                                (1
64 (dx==2 && dc==1 [] dx==3 && dc==2)
                                                                                                                 Ø. C. J.
                                                                         ebseiff (C1, C2):
                                                                                          absolf (11, 12);
                                                          board. in Bounds (71, C1)
               board [72][C2] == "Knight"
board [72][C2] == "Knight"
                                                                                                                                                                  2.
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ک
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                                                                                                                                                                 7
                                                                                                                                                                                             const & board,
                                                                      ſ
```

absolif (int a, int b) 3 else ?

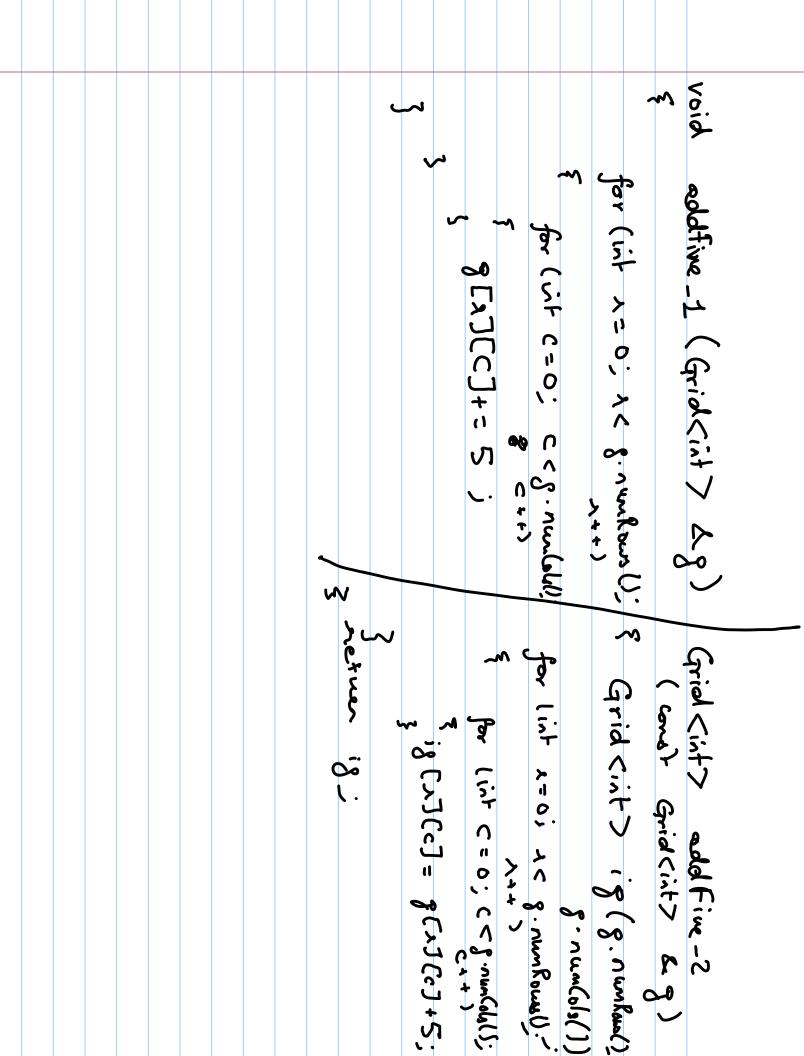
Jetus 6-a; ₩d=. (a < b) 0-6

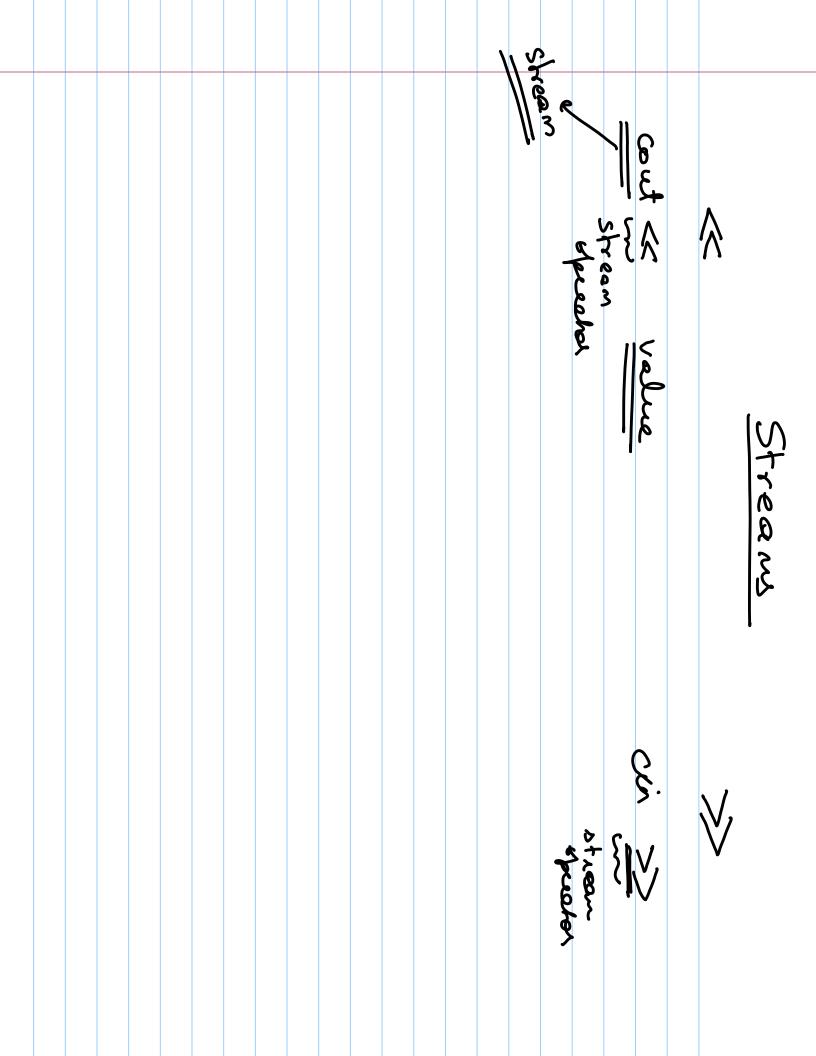
Grid <int> Grids invest (Grid < int > count & in) es retuen velues

gotun inmense,

Grid (int > invested_mestix = invect (matrix);

Streams
GUT << 10





include <sstream> String stream

istaingstream

leta you read "tokers"

Ostring stream

lets you wait output token

what lives a

istring stream string fint, lasts, phone; input >> lest; ià put >>> input >> eye;
in put >> phone;
(in put >> phone; £ . first; // read the give haken from

// input and alone it in "fint".

// finit = "aloc"

leat; // least = "def" inbut (" abc de 123 // co bone e " 4567" 6, 255 h

tokentzing a string

istringstream input ("abo del 123 456

hello wald").

string wood;

while (japont >> word)

If do something with wood.

cont << ward << endl;

~

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