

matrix	sol	rhs	action
2 2 13	1	17	
4 5 32	1	41	
-2 -3 -16	1	-21	

matrix	sol	rhs	action
2 2 13	1	17	take this row
4 5 32	1	41	
-2 -3 -16	1	-21	

matrix			sol	rhs	action
<b>2</b>	2	13	1	17	take this row
↓	↓	↓			
<b>4</b>	5	32	1	41	minus $\times 2$
-2	-3	-16	1	-21	

matrix	sol	rhs	action
2 2 13	1	17	take this row
0 1 6	1	7	
-2 -3 -16	1	-21	

matrix	sol	rhs	action
<b>2</b> 2   13	1	17	take this row
⇓   ⇓   ⇓			
0   1   6	1	7	
<b>-2</b> -3   -16	1	-21	plus $\times 1$

matrix	sol	rhs	action
2 2 13	1	17	take this row
0 1 6	1	7	
0 -1 -3	1	-4	

matrix	sol	rhs	action
2 2 13	1	17	first column done
0 1 6	1	7	
0 -1 -3	1	-4	

matrix	sol	rhs	action
2 2 13	1	17	take this row
0 1 6	1	7	
0 -1 -3	1	-4	



matrix			sol	rhs	action
2	<b>2</b>	13	1	17	minus $\times 2$
$\uparrow$	$\uparrow$	$\uparrow$			
0	<b>1</b>	6	1	7	take this row
0	-1	-3	1	-4	

matrix	sol	rhs	action
2 0 1	1	3	take this row
0 1 6	1	7	
0 -1 -3	1	-4	

matrix			sol	rhs	action
2	0	1	1	3	
0	<b>1</b>	6	1	7	take this row
↓	↓	↓			
0	<b>-1</b>	-3	1	-4	plus $\times 1$

matrix	sol	rhs	action
2 0 1	1	3	take this row
0 1 6	1	7	
0 0 3	1	3	

matrix	sol	rhs	action
2 0 1	1	3	second column done
0 1 6	1	7	
0 0 3	1	3	

matrix	sol	rhs	action
2 0 1	1	3	
0 1 6	1	7	
0 0 3	1	3	take this row

matrix	sol	rhs	action
2   0 <b>1</b>	1	3	minus $\times 1/3$
0   1   6	1	7	
↑↑   ↑↑   ↑↑			
0   0 <b>3</b>	1	3	take this row

matrix	sol	rhs	action
2 0 0	1	2	
0 1 6	1	7	
0 0 3	1	3	take this row



matrix			sol	rhs	action
2	0	0	1	2	
0	1	<b>6</b>	1	7	minus $\times 2$
$\uparrow$	$\uparrow$	$\uparrow$			
0	0	<b>3</b>	1	3	take this row

matrix	sol	rhs	action
2 0 0	1	2	
0 1 0	1	1	
0 0 3	1	3	take this row

matrix	sol	rhs	action
2 0 0	1	2	
0 1 0	1	1	
0 0 3	1	3	third column done

matrix			sol	rhs	action
2	0	0	1	2	
0	1	0	1	1	
0	0	3	1	3	