

Using row operations to compute principal minors

	A ₁	A ₂	A ₃
1	5	-1	4
2	-1	7	1
3	4	-1	5

Eliminate elements in the 1st column under the 1st element

	A ₁	A ₂	A ₃
1	5	-1	4
2	0	34/5	9/5
3	0	-1/5	9/5

Eliminate elements in the 2nd column under the 2nd element

	A ₁	A ₂	A ₃
1	5	-1	4
2	0	34/5	9/5
3	0	0	63/34

For this example, the principal minors are all positive. They are 5, 34 and 63.