

Metoda Gaussa-Jordana – algorytm

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1: function  $\mathbf{x} = \text{metodaGaussaJordana}(\mathbf{a}, \mathbf{b})$ 
2:  $n = ?$ 
3: for  $i = 1, 2, \dots, n$  do
4:    $s = a_{ii}$ 
5:   for  $j = 1, 2, \dots, n$  do
6:      $a_{ij} = a_{ij}/s$ 
7:   end for
8:    $b_i = b_i/s$ 
9:   for  $k = 1, 2, \dots, n$  do
10:    if  $k \neq i$  then
11:       $s = a_{ki}$ 
12:      for  $j = 1, 2, \dots, n$  do
13:         $a_{kj} = a_{kj} - a_{ij} s$ 
14:      end for
15:       $b_k = b_k - b_i s$ 
16:    end if
17:  end for
18: end for
19:  $\mathbf{x} = \mathbf{b}$ 
20: end
```

Wywołanie funkcji:

$\mathbf{x} = \text{metodaGaussaJordana}(\mathbf{a}, \mathbf{b})$