**Metodo di Cramer**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **a** | **x** | **+** | **b** | **y** | **= c** |  |
| **a1** | **x** | **+** | **b1** | **y** | **= c1** |  |
|  |  |  |  |  |  |  |
|  | **a** |  | **b** |  |  |  |
|  |  |  |  | **=** | **a\*b1 - b\*a1** |  |
|  | **a1** |  | **b1** |  |  |  |
|  |  |  |  |  |  |  |
|  | **c** |  | **b** |  |  |  |
|  |  |  |  | **=** | **c\*b1 - b\*c1** |  |
|  | **c1** |  | **b1** |  |  |  |
|  |  |  |  |  |  |  |
|  | **a** |  | **c** |  |  |  |
|  |  |  |  | **=** | **a\*c1 - c\*a1** |  |
|  | **a1** |  | **c1** |  |  |  |
|  |  |  |  |  |  |  |

**Metodo del confronto dei coefficienti**

*(per scoprire se un sistema è determinato, indeterminato o impossibile)*

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **a** | **x** | **+** | | **b** | | **y** | | **= c** | |  | |  | |  |  |
| **a1** | **x** | **+** | | **b1** | | **y** | | **= c1** | |  | |  | |  |  |
| **a** | **≠** | | **b** | |  | |  | |  | | **Il sistema è DETERMINATO** | |
| **a1** | **b1** | |  | |  | |  | |
| **a** | **=** | | **b** | | **=** | | **c** | |  | | **Il sistema è INDETERMINATO** | |
| **a1** | **b1** | | **c1** | |  | |
| **a** | **=** | | **b** | | **≠** | | **c** | |  | | **Il sistema è IMPOSSIBILE** | |
| **a1** | **b1** | | **c1** | |  | |