

linear solution

[/Reference manual](#)/[Z-related commands](#)/[Decision procedure commands](#)

The *linear solution* command reveals the solutions found by the *linear decision* command. It effectively uses a *quantification tac* command to reveal the solutions. The *linear solution* command is applicable to universal and existential quantification predicates to which the *linear decision* command is also applicable. For an existential quantification that is *true*, *linear solution* reveals a solution. For a universal quantification that is *false*, *linear solution* reveals a counter-example. It effectively uses a *quantification tac* command to reveal the solutions.

In the cases where there is no solution or counter-example, *linear solution* reports “*Nothing changed*”.

1. Tactic example

“*linear solution*” p_1 p_2

This example applies the *linear solution* command to predicates p_1 and p_2 .

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