## Package 'ROI.plugin.quadprog'

July 13, 2023

Version 1.0-1		
Title 'quadprog' Plug-in for the 'R' Optimization Infrastructure  Description Enhances the R Optimization Infrastructure ('ROI') package by registering the 'quadprog' solver. It allows for solving quadratic programming (QP) problems.		
		Imports methods, quadprog,
License GPL-3		
<pre>URL http://roi.r-forge.</pre>	r-project.org/,	
https://r-forge.r-p	roject.org/projects/roi/	
NeedsCompilation no		
Author Stefan Theussl [aut, c	<b>Author</b> Stefan Theussl [aut, cre] ( <a href="https://orcid.org/0000-0002-6523-4620">https://orcid.org/0000-0002-6523-4620</a> )	
Maintainer Stefan Theussl < Stefan . Theussl @R-Project . org>		
Repository CRAN		
<b>Date/Publication</b> 2023-07-12	2 22:40:06 UTC	
R topics documente	d <b>:</b>	
•		
Example-1		
Index	•	
Example-1	Quadratic Problem 1	
Description		
	maximize $x_1^2 + x_2^2 + x_3^2 - 5x_2$	
$subject\ to$ :		

 $-4x_1 - 3x_2 + \ge -8$ 

Example-1

$$2x_1 + x_2 + \ge 2$$
$$-2x_2 + x_3 \ge 0$$
$$x_1, x_2, x_3 \ge 0$$

## **Examples**

## **Index**