

Using LINDO for Decision Computation

Some centres who have used Classic LINDO have reported problems when using it with Windows 7. Centres who have purchased LINDO recently will also have been sent a licence key for LINGO. It is possible to run LINDO commands within LINGO and doing so avoids any problems associated with Windows.

Centres who already have a licence key for LINGO should download it and use LINDO within LINGO from now on.

Centres who purchased LINDO some time ago and did not get a licence key for LINGO can purchase a new version through MEI (including a licence key for LINGO) at £45 plus VAT. This is a specially negotiated price which is a considerable saving on LINDO systems' usual prices.

Downloads

A trial version of LINGO can be downloaded from http://www.lindo.com/index.php?option=com_content&view=article&id=34&Itemid=15 The table in the next window will give the options for download.

The screenshot shows the LINDO Systems Inc. website. The main content area is titled 'Download Lingo' and states 'LINGO is currently available on the following platforms:'. Below this is a table with columns for LINGO Version, Operating System, Bit Size, Processor, File Size, and Download. The table lists various versions of LINGO for both Windows and Linux operating systems, with download buttons for each entry.

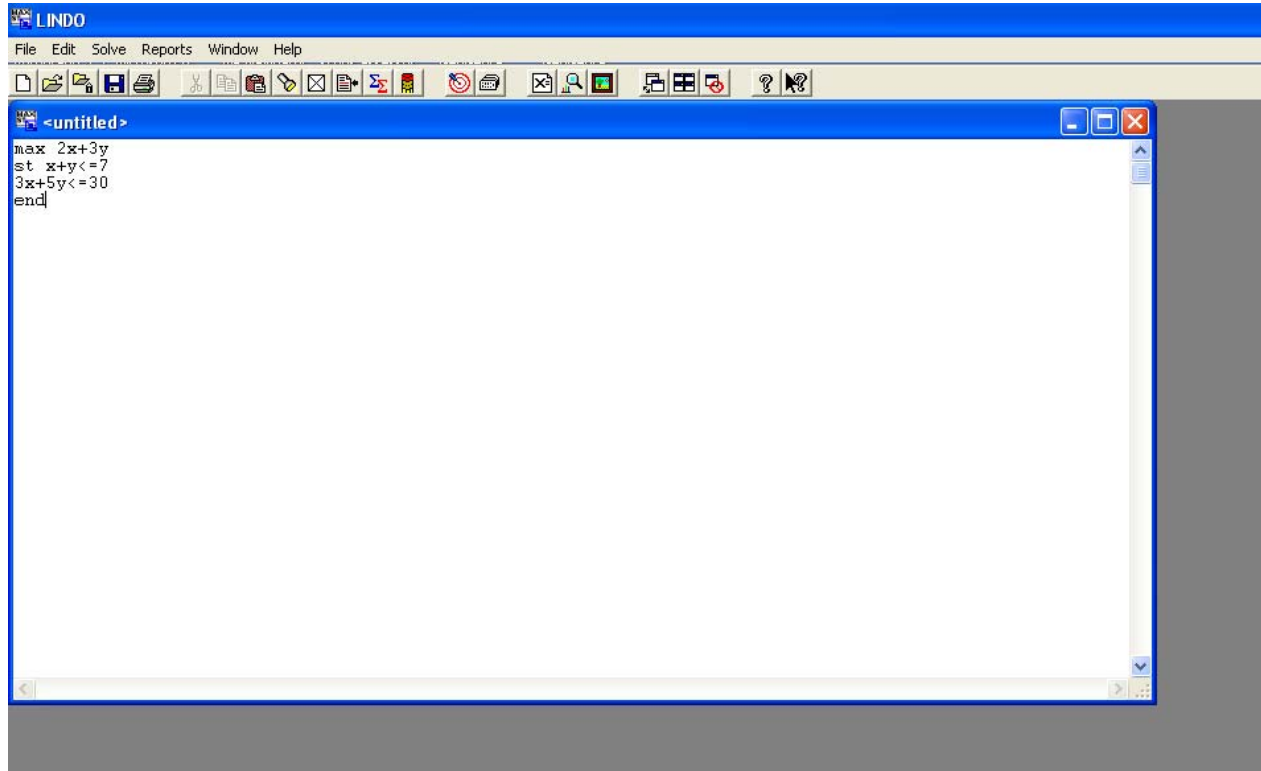
LINGO Version	Operating System	Bit Size	Processor	File Size	Download
13.0	Windows	32	x86	31.7MB	Download
13.0	Windows	64	x64	37.4MB	Download
13.0 Beta	Linux	32	x86	17.2MB	Download
13.0 Beta	Linux	64	x64	17.5MB	Download
12.0	Windows	32	x86	26.8MB	Download
12.0	Windows	64	x64	23.4MB	Download
12.0	Linux	32	x86	14.6MB	Download
12.0	Linux	64	x64	15.8MB	Download
11.0	Windows	32	x86	21.2MB	Download
11.0	Windows	64	x64	20.5MB	Download

To find out whether you have a 32-bit or a 64-bit version of Windows, you may find the information on the Microsoft website helpful <http://windows.microsoft.com/en-GB/windows7/find-out-32-or-64-bit>

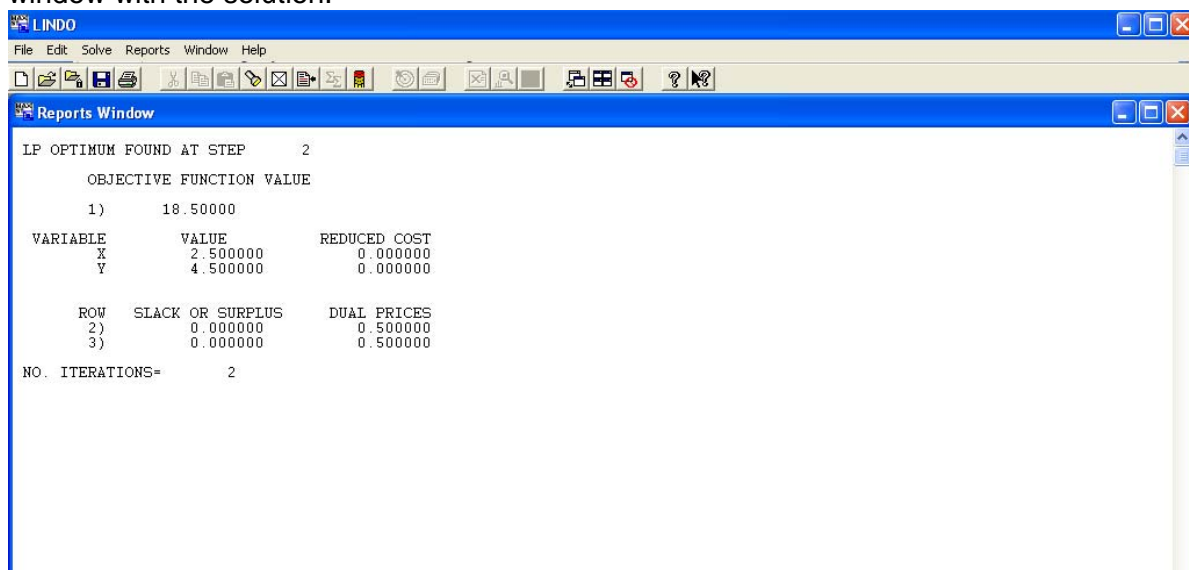
Comparing Classic LINDO with using LINDO within LINGO

Classic LINDO

Typing the programme on page 150 of the D2/C textbook into LINDO version 6.1 appears as follows.



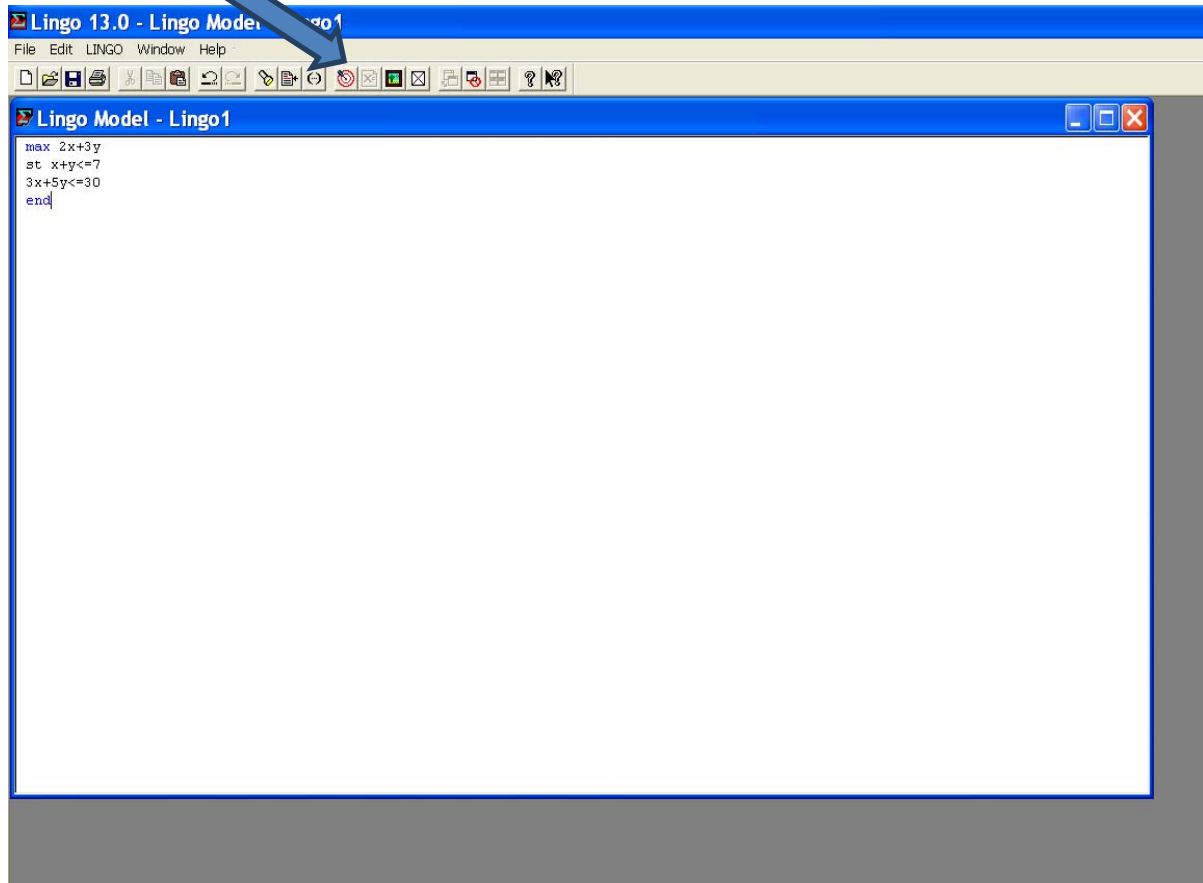
Clicking on "Solve" in the tool bar at the top (and then choosing "Solve") opens a new reports window with the solution.



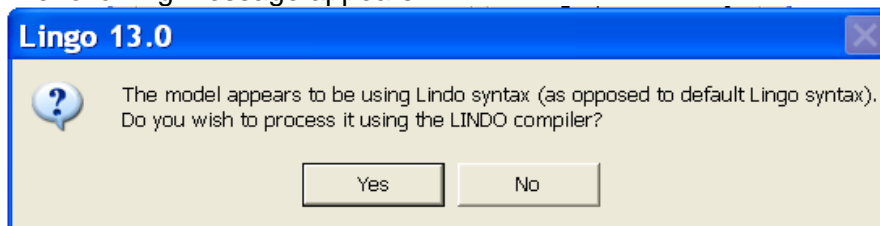
Using LINDO within LINGO

Typing the programme on page 150 of the D2/C textbook into LINGO version 13.0 appears as follows.

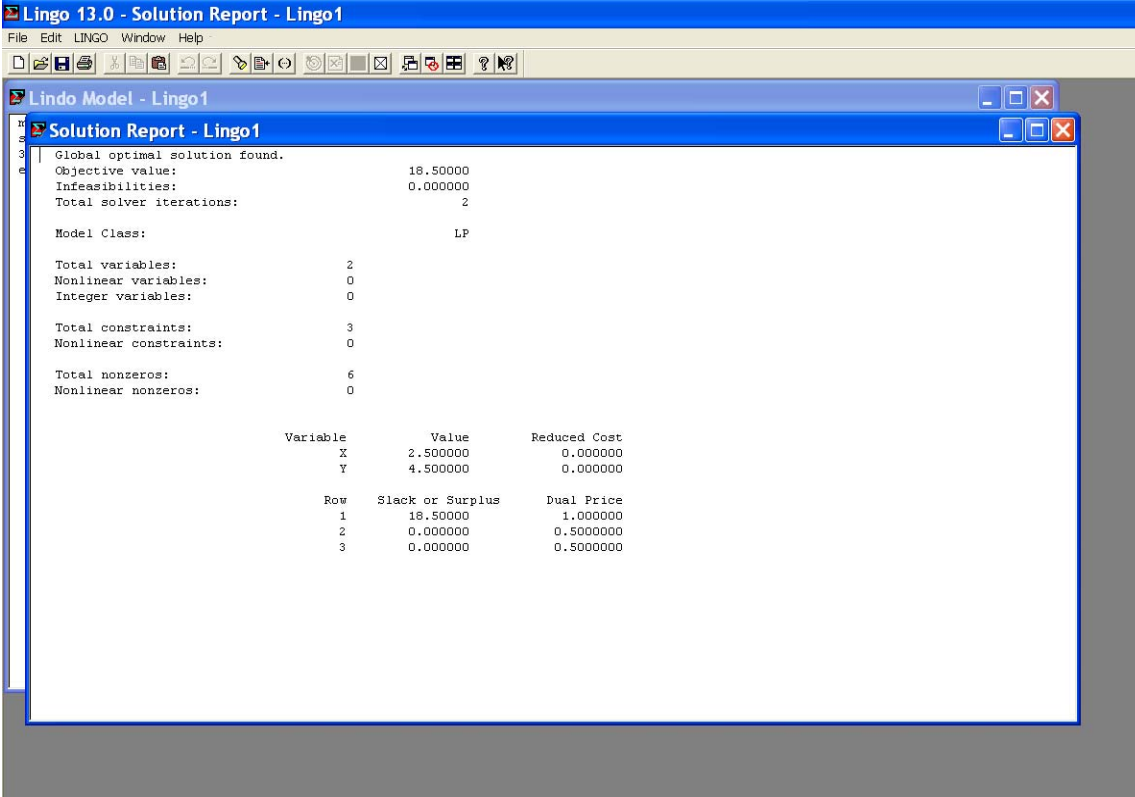
Click on the target symbol to solve.



The following message appears.



Choose “Yes” to get a solution report.



The screenshot shows the Lingo 13.0 interface with a 'Solution Report - Lingo1' window open. The report displays the following information:

```

Global optimal solution found.
Objective value:                18.50000
Infeasibilities:                0.000000
Total solver iterations:        2

Model Class:                    LP

Total variables:                2
Nonlinear variables:            0
Integer variables:              0

Total constraints:              3
Nonlinear constraints:          0

Total nonzeros:                6
Nonlinear nonzeros:            0

```

Variable	Value	Reduced Cost
X	2.500000	0.000000
Y	4.500000	0.000000

Row	Slack or Surplus	Dual Price
1	18.50000	1.000000
2	0.000000	0.500000
3	0.000000	0.500000

Files saved as LINDO Text (.ltx) will open in LINGO.