

Termination competition 2007 - results

Short legend ([help page](#) for more):

	Tool id
Problem id	NO, it is NOT terminating
Problem id	I don't know
Problem id	YES, it is terminating

Times for giving answers (in seconds): CPU time (Wall clock time)

Note: wall clock time may be smaller than CPU time, because of multi-processor and/or multi-core architecture

Sub-category: Context-Sensitive Strategy

Time limit for this table: 120 seconds

problem	difficulty rating	AProVE 07	MU-TERM 4.4
<u>TRS/CSR - Ex1_2_AEL03</u>	0%	<u>2.93 (15.40)</u>	<u>0.00 (0.03)</u>
<u>TRS/CSR - Ex1_2_Luc02c</u>	0%	<u>2.51 (1.37)</u>	<u>0.00 (0.02)</u>
<u>TRS/CSR - Ex14_AEGL02</u>	0%	<u>5.08 (2.39)</u>	<u>0.00 (0.07)</u>
<u>TRS/CSR - Ex14_Luc06</u>	100%	<u>60.80 (46.32)</u>	<u>27.28 (30.74)</u>
<u>TRS/CSR - Ex15_Luc06</u>	0%	<u>3.25 (1.47)</u>	<u>0.01 (0.03)</u>
<u>TRS/CSR - Ex15_Luc98</u>	0%	<u>2.57 (1.17)</u>	<u>0.00 (0.04)</u>
<u>TRS/CSR - Ex16_Luc06</u>	0%	<u>3.28 (1.45)</u>	<u>0.00 (0.03)</u>
<u>TRS/CSR - Ex18_Luc06</u>	0%	<u>4.05 (1.69)</u>	<u>0.01 (0.03)</u>
<u>TRS/CSR - Ex1_GL02a</u>	0%	<u>25.36 (15.97)</u>	<u>0.00 (0.08)</u>
<u>TRS/CSR - Ex1_GM03</u>	100%	<u>126.07 (97.12)</u>	<u>49.74 (51.69)</u>
<u>TRS/CSR - Ex1_GM99</u>	50%	<u>45.06 (31.87)</u>	<u>0.01 (0.03)</u>
<u>TRS/CSR - Ex1_Luc02b</u>	0%	<u>2.03 (1.05)</u>	<u>0.00 (0.03)</u>
<u>TRS/CSR - Ex1_Luc04b</u>	0%	<u>5.15 (2.26)</u>	<u>0.00 (0.03)</u>
<u>TRS/CSR - Ex1_Zan97</u>	0%	<u>4.78 (2.07)</u>	<u>0.01 (0.08)</u>
<u>TRS/CSR - Ex23_Luc06</u>	0%	<u>3.07 (1.29)</u>	<u>0.00 (0.03)</u>
<u>TRS/CSR - Ex24_GM04</u>	50%	<u>55.19 (40.75)</u>	<u>0.01 (0.03)</u>

<u>TRS/CSR - Ex24 Luc06</u>	0%	<u>31.83</u> <u>(20.98)</u>	<u>0.00 (0.04)</u>
<u>TRS/CSR - Ex25 Luc06</u>	0%	<u>2.77 (1.25)</u>	<u>0.00 (0.03)</u>
<u>TRS/CSR - Ex26 Luc03b</u>	0%	<u>2.53 (1.17)</u>	<u>0.01 (0.03)</u>
<u>TRS/CSR - Ex2 Luc02a</u>	0%	<u>3.86 (1.65)</u>	<u>0.00 (0.04)</u>
<u>TRS/CSR - Ex2 Luc03b</u>	0%	<u>2.63 (1.21)</u>	<u>0.00 (0.03)</u>
<u>TRS/CSR - Ex3 12 Luc96a</u>	0%	<u>2.94 (1.31)</u>	<u>0.00 (0.03)</u>
<u>TRS/CSR - Ex3 2 Luc97</u>	100%	<u>95.09</u> <u>(59.27)</u>	<u>54.03 (59.60)</u>
<u>TRS/CSR - Ex3 3 25 Bor03</u>	0%	<u>6.09 (2.34)</u>	<u>0.00 (0.03)</u>
<u>TRS/CSR - Ex4 4 Luc96b</u>	0%	<u>2.95 (1.29)</u>	<u>0.01 (0.03)</u>
problem	difficulty rating	AProVE 07	MU-TERM 4.4
<u>TRS/CSR - Ex4 7 15 Bor03</u>	0%	<u>3.50 (1.46)</u>	<u>0.00 (0.04)</u>
<u>TRS/CSR - Ex4 7 37 Bor03</u>	0%	<u>4.71 (1.87)</u>	<u>0.01 (0.07)</u>
<u>TRS/CSR - Ex4 7 56 Bor03</u>	0%	<u>3.52 (1.50)</u>	<u>0.00 (0.04)</u>
<u>TRS/CSR - Ex4 7 77 Bor03</u>	0%	<u>2.54 (1.12)</u>	<u>0.00 (0.03)</u>
<u>TRS/CSR - Ex49 GM04</u>	0%	<u>4.37 (1.81)</u>	<u>0.12 (0.45)</u>
<u>TRS/CSR - Ex4 DLMMU04</u>	100%	<u>122.52</u> <u>(73.33)</u>	<u>79.05 (85.98)</u>
<u>TRS/CSR - Ex4 Zan97</u>	0%	<u>4.22 (1.82)</u>	<u>0.00 (0.04)</u>
<u>TRS/CSR - Ex5 7 Luc97</u>	100%	<u>129.19</u> <u>(78.72)</u>	<u>66.01 (76.40)</u>
<u>TRS/CSR - Ex5 DLMMU04</u>	0%	<u>7.71 (3.42)</u>	<u>0.00 (0.06)</u>
<u>TRS/CSR - Ex5 Zan97</u>	0%	<u>2.79 (1.27)</u>	<u>0.01 (0.13)</u>
<u>TRS/CSR - Ex6 15 AEL02</u>	100%	<u>128.94</u> <u>(77.52)</u>	<u>56.96 (64.81)</u>
<u>TRS/CSR - Ex6 9 Luc02c</u>	0%	<u>4.68 (1.96)</u>	<u>0.00 (0.04)</u>
<u>TRS/CSR - Ex6 GM04</u>	0%	<u>4.13 (1.76)</u>	<u>0.00 (0.03)</u>
<u>TRS/CSR - Ex6 Luc98</u>	0%	<u>4.11 (1.66)</u>	<u>0.00 (0.03)</u>
<u>TRS/CSR - Ex7 BLR02</u>	0%	<u>3.75 (1.60)</u>	<u>0.01 (0.03)</u>
<u>TRS/CSR - Ex8 BLR02</u>	0%	<u>4.71 (1.89)</u>	<u>0.00 (0.03)</u>
<u>TRS/CSR - Ex9 BLR02</u>	0%	<u>3.73 (1.54)</u>	<u>0.01 (0.03)</u>
<u>TRS/CSR - Ex9 Luc04</u>	100%	<u>73.14</u> <u>(57.27)</u>	<u>15.50 (17.77)</u>
<u>TRS/CSR - Ex9 Luc06</u>	0%	<u>4.70 (2.05)</u>	<u>3.10 (3.66)</u>
<u>TRS/CSR - ExAppendixB AEL03</u>	0%	<u>4.08 (1.65)</u>	<u>0.01 (0.03)</u>
<u>TRS/CSR - ExConc Zan97</u>	0%	<u>3.88 (1.63)</u>	<u>0.00 (0.02)</u>

<u>TRS/CSR - ExIntrod GM01</u>	0%	<u>6.77 (3.11)</u>	<u>0.00 (0.03)</u>
<u>TRS/CSR - ExIntrod GM04</u>	0%	<u>9.24 (3.93)</u>	<u>0.00 (0.03)</u>
<u>TRS/CSR - ExIntrod GM99</u>	50%	<u>122.86 (81.06)</u>	<u>0.00 (0.03)</u>
<u>TRS/CSR - ExIntrod Zan97</u>	100%	<u>129.19 (105.26)</u>	<u>47.67 (52.95)</u>
problem	difficulty rating	<u>AProVE 07</u>	<u>MU-TERM 4.4</u>
<u>TRS/CSR - ExProp7 Luc06</u>	0%	<u>3.62 (1.61)</u>	<u>0.00 (0.07)</u>
<u>TRS/CSR - ExSec11 1 Luc02a</u>	0%	<u>3.15 (1.30)</u>	<u>0.00 (0.05)</u>
<u>TRS/CSR - ExSec4 2 DLMMU04</u>	0%	<u>2.36 (1.14)</u>	<u>0.01 (0.04)</u>
<u>TRS/TRCSR - ExSec11 1 Luc02a</u>	0%	<u>2.52 (1.28)</u>	<u>0.00 (0.05)</u>
<u>TRS/CSR Maude/lazy-nat-list - OvConsOS complete-noand</u>	100%	<u>118.28 (56.98)</u>	<u>120.47 (132.31)</u>
<u>TRS/CSR Maude/lazy-nat-list - OvConsOS complete</u>	100%	<u>118.94 (61.78)</u>	<u>120.56 (129.76)</u>
<u>TRS/CSR Maude/lazy-nat-list - OvConsOS nokinds-noand</u>	100%	<u>124.57 (67.57)</u>	<u>74.58 (82.57)</u>
<u>TRS/CSR Maude/lazy-nat-list - OvConsOS nokinds</u>	100%	<u>127.31 (72.81)</u>	<u>79.09 (90.13)</u>
<u>TRS/CSR Maude/lazy-nat-list - OvConsOS nosorts-noand</u>	100%	<u>94.71 (55.00)</u>	<u>67.81 (76.65)</u>
<u>TRS/CSR Maude/lazy-nat-list - OvConsOS nosorts</u>	100%	<u>59.22 (40.62)</u>	<u>23.05 (26.17)</u>
<u>TRS/CSR Maude/length-lazy-list - LengthOfFiniteLists complete-noand</u>	50%	<u>121.67 (62.03)</u>	<u>16.40 (17.99)</u>
<u>TRS/CSR Maude/length-lazy-list - LengthOfFiniteLists complete</u>	100%	<u>128.93 (72.21)</u>	<u>120.34 (133.98)</u>
<u>TRS/CSR Maude/length-lazy-list - LengthOfFiniteLists nokinds-noand</u>	0%	<u>24.48 (14.14)</u>	<u>15.95 (16.93)</u>
<u>TRS/CSR Maude/length-lazy-list - LengthOfFiniteLists nokinds</u>	50%	<u>18.81 (7.88)</u>	<u>67.39 (79.53)</u>
<u>TRS/CSR Maude/length-lazy-list - LengthOfFiniteLists nosorts-noand</u>	100%	<u>55.89 (41.56)</u>	<u>50.85 (54.15)</u>
<u>TRS/CSR Maude/length-lazy-list - LengthOfFiniteLists nosorts</u>	100%	<u>51.36 (34.82)</u>	<u>14.59 (17.31)</u>
<u>TRS/CSR Maude/my-nat - MYNAT complete-noand</u>	50%	<u>119.22 (58.76)</u>	<u>0.11 (0.24)</u>
<u>TRS/CSR Maude/my-nat - MYNAT complete</u>	0%	<u>42.64 (23.58)</u>	<u>81.91 (90.26)</u>

<u>TRS/CSR Maude/my-nat - MYNAT nokinds-noand</u>	0%	<u>9.85 (4.24)</u>	<u>0.01 (0.04)</u>
<u>TRS/CSR Maude/my-nat - MYNAT nokinds</u>	0%	<u>6.89 (2.87)</u>	<u>0.01 (0.07)</u>
<u>TRS/CSR Maude/my-nat - MYNAT nosorts-noand</u>	0%	<u>4.16 (1.66)</u>	<u>0.00 (0.03)</u>
<u>TRS/CSR Maude/my-nat - MYNAT nosorts</u>	0%	<u>4.28 (1.90)</u>	<u>0.00 (0.02)</u>
<u>TRS/CSR Maude/palindrome - PALINDROME complete-noand</u>	0%	<u>16.97 (7.21)</u>	<u>0.38 (0.68)</u>
<u>TRS/CSR Maude/palindrome - PALINDROME complete</u>	0%	<u>6.39 (2.73)</u>	<u>0.34 (1.73)</u>
<u>TRS/CSR Maude/palindrome - PALINDROME nokinds-noand</u>	0%	<u>7.11 (3.32)</u>	<u>0.02 (0.03)</u>
problem	difficulty rating	<u>AProVE 07</u>	<u>MU-TERM 4.4</u>
<u>TRS/CSR Maude/palindrome - PALINDROME nokinds</u>	0%	<u>4.04 (1.81)</u>	<u>0.01 (0.08)</u>
<u>TRS/CSR Maude/palindrome - PALINDROME nosorts-noand</u>	0%	<u>3.39 (1.44)</u>	<u>0.00 (0.03)</u>
<u>TRS/CSR Maude/palindrome - PALINDROME nosorts</u>	0%	<u>2.46 (1.15)</u>	<u>0.01 (0.03)</u>
<u>TRS/CSR Maude/peanoSimple - MYNAT complete-noand</u>	0%	<u>26.04 (9.99)</u>	<u>0.03 (0.20)</u>
<u>TRS/CSR Maude/peanoSimple - MYNAT complete</u>	0%	<u>14.36 (5.95)</u>	<u>76.71 (87.99)</u>
<u>TRS/CSR Maude/peanoSimple - MYNAT nokinds-noand</u>	0%	<u>8.37 (3.33)</u>	<u>0.00 (0.03)</u>
<u>TRS/CSR Maude/peanoSimple - MYNAT nokinds</u>	0%	<u>6.80 (2.82)</u>	<u>0.02 (0.09)</u>
<u>TRS/CSR Maude/peanoSimple - MYNAT nosorts-noand</u>	0%	<u>3.13 (1.35)</u>	<u>0.00 (0.03)</u>
<u>TRS/CSR Maude/peanoSimple - MYNAT nosorts</u>	0%	<u>2.37 (1.13)</u>	<u>0.00 (0.03)</u>
<u>TRS/CSR Maude/PEPM04 - LISTUTILITIES complete-noand</u>	100%	<u>119.94 (49.69)</u>	<u>120.29 (128.26)</u>
<u>TRS/CSR Maude/PEPM04 - LISTUTILITIES complete</u>	100%	<u>119.23 (72.06)</u>	<u>120.13 (129.65)</u>
<u>TRS/CSR Maude/PEPM04 - LISTUTILITIES nokinds-noand</u>	100%	<u>118.76 (69.08)</u>	<u>120.12 (130.09)</u>
<u>TRS/CSR Maude/PEPM04 - LISTUTILITIES nokinds</u>	100%	<u>123.57 (65.02)</u>	<u>120.65 (124.76)</u>
<u>TRS/CSR Maude/PEPM04 - LISTUTILITIES nosorts-noand</u>	0%	<u>5.39 (2.22)</u>	<u>0.01 (0.05)</u>
<u>TRS/CSR Maude/PEPM04 - LISTUTILITIES nosorts</u>	0%	<u>5.31 (2.23)</u>	<u>0.00 (0.03)</u>
Results for sub-category Context-Sensitive Strategy			
number of problems: 90 (69 YES, 0 NO, 21 UNKNOWN)			

	<u>AProVE 07</u>	<u>MU-TERM 4.4</u>
YES score	64 (92.8 %)	68 (98.6 %)
weighted YES score	0.50	2.50
YES average time	6.90 (3.50)	2.87 (3.27)
NO score	0	0
weighted NO score	0.00	0.00
NO average time	-	-
YES+NO score	64 (92.8 %)	68 (98.6 %)
YES+NO average time	6.90 (3.50)	2.87 (3.27)

This script has been written in the Objective CAML language using the CGI Library