

| Instance | cplex | | heuristic | |
|-----------------|-----------|-----------|-----------|-----------|
| | Temps (s) | Optimal ? | Temps (s) | Optimal ? |
| size10no10.txt | 2.11 | × | - | - |
| size10no109.txt | 0.01 | × | - | - |
| size10no118.txt | 0.01 | × | - | - |
| size10no124.txt | 0.01 | × | - | - |
| size10no21.txt | 0.01 | × | - | - |
| size10no24.txt | 0.01 | × | - | - |
| size10no26.txt | 0.01 | × | - | - |
| size10no27.txt | 0.01 | × | - | - |
| size10no32.txt | 0.01 | × | - | - |
| size10no33.txt | 0.01 | × | - | - |
| size10no39.txt | 0.01 | × | - | - |
| size10no4.txt | 0.01 | × | - | - |
| size10no50.txt | 0.01 | × | - | - |
| size10no55.txt | 0.01 | × | - | - |
| size10no59.txt | 0.01 | × | - | - |
| size10no65.txt | 0.04 | × | - | - |
| size10no72.txt | 0.01 | × | - | - |
| size10no75.txt | 0.01 | × | - | - |
| size10no81.txt | 0.01 | × | - | - |
| size10no83.txt | 0.01 | × | - | - |
| size10no9.txt | 0.01 | × | - | - |
| size11no1.txt | 0.01 | × | - | - |
| size11no111.txt | 0.01 | × | - | - |
| size11no114.txt | 0.01 | × | - | - |
| size11no119.txt | 0.01 | × | - | - |
| size11no142.txt | 0.01 | × | - | - |
| size11no143.txt | 0.01 | × | - | - |
| size11no149.txt | 0.01 | × | - | - |
| size11no18.txt | 0.01 | × | - | - |

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|-----------------|-----------|-----------|-----------|-----------|
| | Temps (s) | Optimal ? | Temps (s) | Optimal ? |
| size11no27.txt | 0.01 | × | - | - |
| size11no29.txt | 0.01 | × | - | - |
| size11no61.txt | 0.02 | × | - | - |
| size11no71.txt | 0.01 | × | - | - |
| size11no74.txt | 0.01 | × | - | - |
| size11no78.txt | 0.01 | × | - | - |
| size11no8.txt | 0.01 | × | - | - |
| size11no95.txt | 0.01 | × | - | - |
| size11no96.txt | 0.01 | × | - | - |
| size12no1.txt | 0.01 | × | - | - |
| size12no112.txt | 0.01 | × | - | - |
| size12no141.txt | 0.01 | × | - | - |
| size12no148.txt | 0.01 | × | - | - |
| size12no24.txt | 0.01 | × | - | - |
| size12no28.txt | 0.01 | × | - | - |
| size12no42.txt | 0.01 | × | - | - |
| size12no44.txt | 0.01 | × | - | - |
| size12no52.txt | 0.05 | × | - | - |
| size12no6.txt | 0.01 | × | - | - |
| size12no84.txt | 0.01 | × | - | - |
| size12no92.txt | 0.01 | × | - | - |
| size13no10.txt | 0.01 | × | - | - |
| size13no33.txt | 0.01 | × | - | - |
| size13no5.txt | 0.01 | × | - | - |
| size13no7.txt | 0.01 | × | - | - |
| size2no12.txt | 0.01 | × | - | - |
| size2no127.txt | 0.01 | × | - | - |
| size2no132.txt | 0.01 | × | - | - |
| size2no133.txt | 0.01 | × | - | - |
| size2no139.txt | 0.01 | × | - | - |

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|----------------|-----------|-----------|-----------|-----------|
| | Temps (s) | Optimal ? | Temps (s) | Optimal ? |
| size2no19.txt | 0.01 | × | - | - |
| size2no20.txt | 0.01 | × | - | - |
| size2no28.txt | 0.01 | × | - | - |
| size2no30.txt | 0.01 | × | - | - |
| size2no31.txt | 0.01 | × | - | - |
| size2no41.txt | 0.01 | × | - | - |
| size2no42.txt | 0.01 | × | - | - |
| size2no5.txt | 0.01 | × | - | - |
| size2no70.txt | 0.01 | × | - | - |
| size2no88.txt | 0.01 | × | - | - |
| size3no104.txt | 0.01 | × | - | - |
| size3no117.txt | 0.01 | × | - | - |
| size3no126.txt | 0.01 | × | - | - |
| size3no128.txt | 0.01 | × | - | - |
| size3no14.txt | 0.01 | × | - | - |
| size3no16.txt | 0.01 | × | - | - |
| size3no23.txt | 0.01 | × | - | - |
| size3no35.txt | 0.01 | × | - | - |
| size3no38.txt | 0.01 | × | - | - |
| size3no4.txt | 0.01 | × | - | - |
| size3no48.txt | 0.04 | × | - | - |
| size3no49.txt | 0.01 | × | - | - |
| size3no56.txt | 0.01 | × | - | - |
| size3no58.txt | 0.01 | × | - | - |
| size3no91.txt | 0.01 | × | - | - |
| size3no98.txt | 0.01 | × | - | - |
| size4no116.txt | 0.01 | × | - | - |
| size4no121.txt | 0.01 | × | - | - |
| size4no13.txt | 0.01 | × | - | - |
| size4no134.txt | 0.01 | × | - | - |

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|----------------|-----------|-----------|-----------|-----------|
| | Temps (s) | Optimal ? | Temps (s) | Optimal ? |
| size4no144.txt | 0.01 | × | - | - |
| size4no147.txt | 0.01 | × | - | - |
| size4no15.txt | 0.01 | × | - | - |
| size4no18.txt | 0.01 | × | - | - |
| size4no2.txt | 0.01 | × | - | - |
| size4no22.txt | 0.01 | × | - | - |
| size4no29.txt | 0.01 | × | - | - |
| size4no3.txt | 0.01 | × | - | - |
| size4no37.txt | 0.01 | × | - | - |
| size4no38.txt | 0.01 | × | - | - |
| size4no46.txt | 0.01 | × | - | - |
| size4no57.txt | 0.01 | × | - | - |
| size4no62.txt | 0.01 | × | - | - |
| size5no100.txt | 0.01 | × | - | - |
| size5no115.txt | 0.01 | × | - | - |
| size5no120.txt | 0.01 | × | - | - |
| size5no125.txt | 0.01 | × | - | - |
| size5no131.txt | 0.01 | × | - | - |
| size5no16.txt | 0.01 | × | - | - |
| size5no19.txt | 0.01 | × | - | - |
| size5no34.txt | 0.01 | × | - | - |
| size5no39.txt | 0.01 | × | - | - |
| size5no50.txt | 0.01 | × | - | - |
| size5no51.txt | 0.01 | × | - | - |
| size5no7.txt | 0.01 | × | - | - |
| size5no73.txt | 0.01 | × | - | - |
| size5no97.txt | 0.01 | × | - | - |
| size6no113.txt | 0.01 | × | - | - |
| size6no138.txt | 0.01 | × | - | - |
| size6no17.txt | 0.01 | × | - | - |

| Instance | cplex | | heuristic | |
|----------------|-----------|-----------|-----------|-----------|
| | Temps (s) | Optimal ? | Temps (s) | Optimal ? |
| size6no2.txt | 0.01 | × | - | - |
| size6no22.txt | 0.01 | × | - | - |
| size6no4.txt | 0.01 | × | - | - |
| size6no43.txt | 0.01 | × | - | - |
| size6no46.txt | 0.01 | × | - | - |
| size6no47.txt | 0.01 | × | - | - |
| size6no49.txt | 0.01 | × | - | - |
| size6no54.txt | 0.01 | × | - | - |
| size6no68.txt | 0.01 | × | - | - |
| size6no99.txt | 0.01 | × | - | - |
| size7no102.txt | 0.01 | × | - | - |
| size7no103.txt | 0.01 | × | - | - |
| size7no107.txt | 0.01 | × | - | - |
| size7no122.txt | 0.01 | × | - | - |
| size7no129.txt | 0.01 | × | - | - |
| size7no130.txt | 0.01 | × | - | - |
| size7no17.txt | 0.01 | × | - | - |
| size7no23.txt | 0.01 | × | - | - |
| size7no25.txt | 0.01 | × | - | - |
| size7no26.txt | 0.01 | × | - | - |
| size7no35.txt | 0.01 | × | - | - |
| size7no40.txt | 0.01 | × | - | - |
| size7no41.txt | 0.01 | × | - | - |
| size7no48.txt | 0.01 | × | - | - |
| size7no53.txt | 0.01 | × | - | - |
| size7no60.txt | 0.01 | × | - | - |
| size7no66.txt | 0.01 | × | - | - |
| size7no67.txt | 0.01 | × | - | - |
| size7no8.txt | 0.01 | × | - | - |
| size7no85.txt | 0.01 | × | - | - |

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|----------------|-----------|-----------|-----------|-----------|
| | Temps (s) | Optimal ? | Temps (s) | Optimal ? |
| size7no89.txt | 0.01 | × | - | - |
| size8no101.txt | 0.01 | × | - | - |
| size8no106.txt | 0.01 | × | - | - |
| size8no110.txt | 0.01 | × | - | - |
| size8no123.txt | 0.01 | × | - | - |
| size8no13.txt | 0.01 | × | - | - |
| size8no135.txt | 0.04 | × | - | - |
| size8no137.txt | 0.01 | × | - | - |
| size8no140.txt | 0.01 | × | - | - |
| size8no145.txt | 0.01 | × | - | - |
| size8no146.txt | 0.01 | × | - | - |
| size8no20.txt | 0.01 | × | - | - |
| size8no34.txt | 0.01 | × | - | - |
| size8no36.txt | 0.01 | × | - | - |
| size8no40.txt | 0.01 | × | - | - |
| size8no44.txt | 0.01 | × | - | - |
| size8no45.txt | 0.01 | × | - | - |
| size8no5.txt | 0.01 | × | - | - |
| size8no6.txt | 0.01 | × | - | - |
| size8no64.txt | 0.01 | × | - | - |
| size8no76.txt | 0.01 | × | - | - |
| size8no77.txt | 0.01 | × | - | - |
| size8no79.txt | 0.01 | × | - | - |
| size8no80.txt | 0.01 | × | - | - |
| size8no86.txt | 0.01 | × | - | - |
| size8no87.txt | 0.01 | × | - | - |
| size9no1.txt | 0.01 | × | - | - |
| size9no105.txt | 0.01 | × | - | - |
| size9no108.txt | 0.01 | × | - | - |
| size9no11.txt | 0.01 | × | - | - |

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|----------------|-----------|-----------|-----------|-----------|
| | Temps (s) | Optimal ? | Temps (s) | Optimal ? |
| size9no12.txt | 0.01 | × | - | - |
| size9no136.txt | 0.01 | × | - | - |
| size9no14.txt | 0.03 | × | - | - |
| size9no15.txt | 0.01 | × | - | - |
| size9no150.txt | 0.01 | × | - | - |
| size9no21.txt | 0.01 | × | - | - |
| size9no3.txt | 0.01 | × | - | - |
| size9no32.txt | 0.01 | × | - | - |
| size9no36.txt | 0.01 | × | - | - |
| size9no37.txt | 0.01 | × | - | - |
| size9no43.txt | 0.01 | × | - | - |
| size9no47.txt | 0.01 | × | - | - |
| size9no63.txt | 0.01 | × | - | - |
| size9no69.txt | 0.01 | × | - | - |
| size9no82.txt | 0.01 | × | - | - |
| size9no9.txt | 0.01 | × | - | - |
| size9no90.txt | 0.01 | × | - | - |
| size9no93.txt | 0.01 | × | - | - |
| size9no94.txt | 0.01 | × | - | - |