

| Problem | Elementary Loops |        | Proper Loops |        |
|---------|------------------|--------|--------------|--------|
|         | number           | time   | number       | time   |
| 2-5-1   | 69               | 0.13   | 23           | 0.04   |
| 2-5-2   | 135              | 0.12   | 64           | 0.06   |
| 2-6-1   | 211              | 1.95   | 53           | 0.18   |
| 2-6-2   | 473              | 5.22   | 192          | 0.75   |
| 2-6-3   | 598              | 4.45   | 346          | 1.29   |
| 2-7-1   | 685              | 24.88  | 115          | 0.91   |
| 2-7-2   | 1734             | 74.83  | 616          | 4.77   |
| 2-7-3   | 2883             | 46.56  | 1519         | 5.92   |
| 2-8-1   | 2399             | 274.69 | 241          | 4.55   |
| 2-8-2   | 6537             | 162.34 | 2124         | 15.74  |
| 2-8-3   | —                | >10min | 5628         | 37.68  |
| 3-5-1   | 95               | 0.03   | 35           | 0.03   |
| 3-5-2   | 161              | 0.15   | 76           | 0.08   |
| 3-6-1   | 268              | 0.29   | 80           | 0.16   |
| 3-6-2   | 532              | 1.70   | 219          | 0.54   |
| 3-7-1   | —                | >10min | 173          | 20.70  |
| 3-7-2   | —                | >10min | 7555         | 162.00 |
| 3-7-3   | —                | >10min | 44815        | 593.16 |
| 3-8-1   | —                | >10min | 362          | 224.26 |
| 3-8-2   | —                | >10min | —            | >10min |
| 4-5-1   | 93               | 0.08   | 50           | 0.05   |
| 4-5-2   | 135              | 0.25   | 106          | 0.13   |
| 4-6-1   | —                | >10min | 106          | 43.30  |
| 4-6-2   | —                | >10min | 8364         | 412.12 |
| 4-7-1   | —                | >10min | —            | >10min |