

## Results for D instances (VRPSD)

Keld Helsgaun, May 9, 2018

| Instance | BKS     | LKH-3     | LKH-3 d | Gap (%) |
|----------|---------|-----------|---------|---------|
| CON3-0   | 616.52  | 616.5176  | 616.52  | 0.00    |
| CON3-1   | 554.47  | 554.4686  | 554.47  | 0.00    |
| CON3-2   | 518.00  | 518.0020  | 518.00  | 0.00    |
| CON3-3   | 591.19  | 591.1866  | 591.19  | 0.00    |
| CON3-4   | 588.79  | 588.7913  | 588.79  | 0.00    |
| CON3-5   | 563.70  | 563.6941  | 563.70  | 0.00    |
| CON3-6   | 499.05  | 499.0488  | 499.05  | 0.00    |
| CON3-7   | 576.48  | 576.4786  | 576.48  | 0.00    |
| CON3-8   | 523.05  | 523.0474  | 523.05  | 0.00    |
| CON3-9   | 578.25  | 578.2425  | 578.25  | 0.00    |
| CON8-0   | 857.17  | 857.1702  | 857.17  | 0.00    |
| CON8-1   | 740.85  | 740.8510  | 740.85  | 0.00    |
| CON8-2   | 712.89  | 712.8855  | 712.89  | 0.00    |
| CON8-3   | 811.07  | 811.0642  | 811.07  | 0.00    |
| CON8-4   | 772.25  | 772.2504  | 772.25  | 0.00    |
| CON8-5   | 754.88  | 754.8783  | 754.88  | 0.00    |
| CON8-6   | 678.92  | 678.9171  | 678.92  | 0.00    |
| CON8-7   | 811.96  | 811.9530  | 811.96  | 0.00    |
| CON8-8   | 767.53  | 767.5233  | 767.53  | 0.00    |
| CON8-9   | 809.00  | 809.0012  | 809.00  | 0.00    |
| SCA3-0   | 635.62  | 635.6198  | 635.62  | 0.00    |
| SCA3-1   | 697.84  | 697.8333  | 697.84  | 0.00    |
| SCA3-2   | 659.34  | 659.3333  | 659.34  | 0.00    |
| SCA3-3   | 680.04  | 680.0385  | 680.04  | 0.00    |
| SCA3-4   | 690.50  | 690.4969  | 690.50  | 0.00    |
| SCA3-5   | 659.90  | 659.9023  | 659.90  | 0.00    |
| SCA3-6   | 651.09  | 651.0847  | 651.09  | 0.00    |
| SCA3-7   | 659.17  | 659.1636  | 659.17  | 0.00    |
| SCA3-8   | 719.47  | 719.4720  | 719.47  | 0.00    |
| SCA3-9   | 681.00  | 680.9941  | 681.00  | 0.00    |
| SCA8-0   | 961.50  | 961.4935  | 961.50  | 0.00    |
| SCA8-1   | 1049.65 | 1049.6517 | 1049.65 | 0.00    |
| SCA8-2   | 1039.64 | 1039.6336 | 1039.64 | 0.00    |
| SCA8-3   | 983.34  | 983.3359  | 983.34  | 0.00    |
| SCA8-4   | 1065.49 | 1065.4916 | 1065.49 | 0.00    |
| SCA8-5   | 1027.08 | 1027.0809 | 1027.08 | 0.00    |
| SCA8-6   | 971.82  | 971.8189  | 971.82  | 0.00    |
| SCA8-7   | 1051.28 | 1051.2786 | 1051.28 | 0.00    |
| SCA8-8   | 1071.18 | 1071.1779 | 1071.18 | 0.00    |
| SCA8-9   | 1060.50 | 1060.4970 | 1060.50 | 0.00    |