

| | SA | | BWT | | LCP | | OVERALL | |
|-------------------------|---------------|--------------|---------------|--------------|---------------|--------------|---------------|--------------|
| | Time (sec) | Space (%) | Time (sec) | Space (%) | Time (sec) | Space (%) | Time (sec) | Space (%) |
| lcp-kasai | 28.33 | 500 | - | - | 35.60 | 801 | 63.92 | 801 |
| lcp- Φ | 28.33 | 500 | - | - | 26.34 | 451 | 54.67 | 500 |
| lcp-semi-extern- Φ | 28.33 | 500 | - | - | 26.80 | 116 | 55.13 | 500 |
| lcp-go | 28.33 | 500 | 7.37 | 101 | 33.28 | 201 | 68.98 | 500 |
| lcp-go- Φ | 28.33 | 500 | 7.37 | 101 | 27.43 | 201 | 63.14 | 500 |
| lcp-bwt-based | 28.33 | 500 | 7.37 | 101 | 65.74 | 221 | 101.44 | 500 |
| lcp-bwt-based2 | 28.33 | 500 | 7.37 | 101 | 67.93 | 134 | 103.63 | 500 |

Table 1: Results for english.200MB (size: 200 MB). Runtime in seconds. Space is the peak memory usage (including input and output) as fraction of original file size.

| | SA | | BWT | | LCP | | OVERALL | |
|-------------------------|---------------|--------------|---------------|--------------|---------------|--------------|---------------|--------------|
| | Time (sec) | Space (%) | Time (sec) | Space (%) | Time (sec) | Space (%) | Time (sec) | Space (%) |
| lcp-kasai | 20.12 | 500 | - | - | 29.23 | 801 | 49.35 | 801 |
| lcp- Φ | 20.12 | 500 | - | - | 21.36 | 451 | 41.48 | 500 |
| lcp-semi-extern- Φ | 20.12 | 500 | - | - | 25.67 | 116 | 45.79 | 500 |
| lcp-go | 20.12 | 500 | 6.81 | 101 | 14.80 | 201 | 41.74 | 500 |
| lcp-go- Φ | 20.12 | 500 | 6.81 | 101 | 15.40 | 201 | 42.34 | 500 |
| lcp-bwt-based | 20.12 | 500 | 6.81 | 101 | 40.98 | 229 | 67.91 | 500 |
| lcp-bwt-based2 | 20.12 | 500 | 6.81 | 101 | 42.18 | 146 | 69.12 | 500 |

Table 2: Results for dblp.xml.200MB (size: 200 MB). Runtime in seconds. Space is the peak memory usage (including input and output) as fraction of original file size.

| | SA | | BWT | | LCP | | OVERALL | |
|-------------------------|---------------|--------------|---------------|--------------|---------------|--------------|---------------|--------------|
| | Time (sec) | Space (%) | Time (sec) | Space (%) | Time (sec) | Space (%) | Time (sec) | Space (%) |
| lcp-kasai | 30.15 | 500 | - | - | 40.75 | 801 | 70.90 | 801 |
| lcp- Φ | 30.15 | 500 | - | - | 28.70 | 451 | 58.85 | 500 |
| lcp-semi-extern- Φ | 30.15 | 500 | - | - | 28.94 | 116 | 59.09 | 500 |
| lcp-go | 30.15 | 500 | 7.39 | 101 | 16.51 | 201 | 54.05 | 500 |
| lcp-go- Φ | 30.15 | 500 | 7.39 | 101 | 17.97 | 201 | 55.52 | 500 |
| lcp-bwt-based | 30.15 | 500 | 7.39 | 101 | 28.82 | 197 | 66.36 | 500 |
| lcp-bwt-based2 | 30.15 | 500 | 7.39 | 101 | 34.66 | 100 | 72.20 | 500 |

Table 3: Results for dna.200MB (size: 200 MB). Runtime in seconds. Space is the peak memory usage (including input and output) as fraction of original file size.

| | SA | | BWT | | LCP | | OVERALL | |
|-------------------------|---------------|--------------|---------------|--------------|---------------|--------------|---------------|--------------|
| | Time (sec) | Space (%) | Time (sec) | Space (%) | Time (sec) | Space (%) | Time (sec) | Space (%) |
| lcp-kasai | 31.91 | 500 | - | - | 37.86 | 801 | 69.77 | 801 |
| lcp- Φ | 31.91 | 500 | - | - | 24.61 | 451 | 56.52 | 500 |
| lcp-semi-extern- Φ | 31.91 | 500 | - | - | 21.62 | 116 | 53.53 | 500 |
| lcp-go | 31.91 | 500 | 7.14 | 101 | 27.29 | 201 | 66.34 | 500 |
| lcp-go- Φ | 31.91 | 500 | 7.14 | 101 | 24.51 | 201 | 63.56 | 500 |
| lcp-bwt-based | 31.91 | 500 | 7.14 | 101 | 71.07 | 229 | 110.12 | 500 |
| lcp-bwt-based2 | 31.91 | 500 | 7.14 | 101 | 72.97 | 129 | 112.02 | 500 |

Table 4: Results for proteins.200MB (size: 200 MB). Runtime in seconds. Space is the peak memory usage (including input and output) as fraction of original file size.

| | SA | | BWT | | LCP | | OVERALL | |
|-------------------------|---------------|--------------|---------------|--------------|---------------|--------------|---------------|--------------|
| | Time (sec) | Space (%) | Time (sec) | Space (%) | Time (sec) | Space (%) | Time (sec) | Space (%) |
| lcp-kasai | 18.95 | 500 | - | - | 29.46 | 801 | 48.42 | 801 |
| lcp- Φ | 18.95 | 500 | - | - | 22.80 | 451 | 41.75 | 500 |
| lcp-semi-extern- Φ | 18.95 | 500 | - | - | 20.93 | 116 | 39.89 | 500 |
| lcp-go | 18.95 | 500 | 6.41 | 101 | 18.11 | 201 | 43.47 | 500 |
| lcp-go- Φ | 18.95 | 500 | 6.41 | 101 | 18.14 | 201 | 43.50 | 500 |
| lcp-bwt-based | 18.95 | 500 | 6.41 | 101 | 61.73 | 226 | 87.09 | 500 |
| lcp-bwt-based2 | 18.95 | 500 | 6.41 | 101 | 65.14 | 149 | 90.51 | 500 |

Table 5: Results for sources.200MB (size: 200 MB). Runtime in seconds. Space is the peak memory usage (including input and output) as fraction of original file size.

| | SA | | BWT | | LCP | | OVERALL | |
|-------------------------|---------------|--------------|---------------|--------------|---------------|--------------|---------------|--------------|
| | Time (sec) | Space (%) | Time (sec) | Space (%) | Time (sec) | Space (%) | Time (sec) | Space (%) |
| lcp-kasai | 17.32 | 500 | - | - | 21.80 | 801 | 39.12 | 801 |
| lcp- Φ | 17.32 | 500 | - | - | 15.18 | 451 | 32.49 | 500 |
| lcp-semi-extern- Φ | 17.32 | 500 | - | - | 18.37 | 118 | 35.69 | 500 |
| lcp-go | 17.32 | 500 | 5.25 | 101 | 15.92 | 452 | 38.49 | 500 |
| lcp-go- Φ | 17.32 | 500 | 5.25 | 101 | 32.84 | 460 | 55.41 | 500 |
| lcp-bwt-based | 17.32 | 500 | 5.25 | 101 | 48.10 | 321 | 70.66 | 500 |
| lcp-bwt-based2 | 17.32 | 500 | 5.25 | 101 | 39.56 | 100 | 62.13 | 500 |

Table 6: Results for influenza (size: 147.637 MB). Runtime in seconds. Space is the peak memory usage (including input and output) as fraction of original file size.

| | SA | | BWT | | LCP | | OVERALL | |
|-------------------------|---------------|--------------|---------------|--------------|---------------|--------------|---------------|--------------|
| | Time (sec) | Space (%) | Time (sec) | Space (%) | Time (sec) | Space (%) | Time (sec) | Space (%) |
| lcp-kasai | 9.52 | 500 | - | - | 11.92 | 801 | 21.44 | 801 |
| lcp- Φ | 9.52 | 500 | - | - | 8.79 | 439 | 18.30 | 500 |
| lcp-semi-extern- Φ | 9.52 | 500 | - | - | 7.04 | 121 | 16.56 | 500 |
| lcp-go | 9.52 | 500 | 3.07 | 102 | 8.82 | 441 | 21.41 | 500 |
| lcp-go- Φ | 9.52 | 500 | 3.07 | 102 | 24.23 | 688 | 36.82 | 688 |
| lcp-bwt-based | 9.52 | 500 | 3.07 | 102 | 70.42 | 432 | 83.00 | 500 |
| lcp-bwt-based2 | 9.52 | 500 | 3.07 | 102 | 65.19 | 100 | 77.78 | 500 |

Table 7: Results for einstein-de (size: 88.461 MB). Runtime in seconds. Space is the peak memory usage (including input and output) as fraction of original file size.

| | SA | | BWT | | LCP | | OVERALL | |
|-------------------------|---------------|--------------|---------------|--------------|---------------|--------------|---------------|--------------|
| | Time (sec) | Space (%) | Time (sec) | Space (%) | Time (sec) | Space (%) | Time (sec) | Space (%) |
| lcp-kasai | 68.60 | 500 | - | - | 85.22 | 800 | 153.82 | 800 |
| lcp- Φ | 68.60 | 500 | - | - | 53.76 | 463 | 122.36 | 500 |
| lcp-semi-extern- Φ | 68.60 | 500 | - | - | 40.19 | 114 | 108.79 | 500 |
| lcp-go | 68.60 | 500 | 17.21 | 100 | 51.84 | 463 | 137.65 | 500 |
| lcp-go- Φ | 68.60 | 500 | 17.21 | 100 | 142.11 | 737 | 227.93 | 737 |
| lcp-bwt-based | 68.60 | 500 | 17.21 | 100 | 395.65 | 455 | 481.47 | 500 |
| lcp-bwt-based2 | 68.60 | 500 | 17.21 | 100 | 348.94 | 100 | 434.76 | 500 |

Table 8: Results for einstein-en (size: 445.963 MB). Runtime in seconds. Space is the peak memory usage (including input and output) as fraction of original file size.

| | SA | | BWT | | LCP | | OVERALL | |
|-------------------------|---------------|--------------|---------------|--------------|---------------|--------------|---------------|--------------|
| | Time (sec) | Space (%) | Time (sec) | Space (%) | Time (sec) | Space (%) | Time (sec) | Space (%) |
| lcp-kasai | 58.38 | 500 | - | - | 75.97 | 800 | 134.34 | 800 |
| lcp- Φ | 58.38 | 500 | - | - | 47.76 | 463 | 106.14 | 500 |
| lcp-semi-extern- Φ | 58.38 | 500 | - | - | 53.28 | 114 | 111.66 | 500 |
| lcp-go | 58.38 | 500 | 15.66 | 100 | 49.08 | 463 | 123.12 | 500 |
| lcp-go- Φ | 58.38 | 500 | 15.66 | 100 | 115.28 | 612 | 189.31 | 612 |
| lcp-bwt-based | 58.38 | 500 | 15.66 | 100 | 178.49 | 349 | 252.53 | 500 |
| lcp-bwt-based2 | 58.38 | 500 | 15.66 | 100 | 158.57 | 100 | 232.61 | 500 |

Table 9: Results for para (size: 409.38 MB). Runtime in seconds. Space is the peak memory usage (including input and output) as fraction of original file size.

| | SA | | BWT | | LCP | | OVERALL | |
|-------------------------|---------------|--------------|---------------|--------------|---------------|--------------|---------------|--------------|
| | Time (sec) | Space (%) | Time (sec) | Space (%) | Time (sec) | Space (%) | Time (sec) | Space (%) |
| lcp-kasai | 2.74 | 500 | - | - | 6.33 | 802 | 9.07 | 802 |
| lcp- Φ | 2.74 | 500 | - | - | 4.36 | 427 | 7.09 | 500 |
| lcp-semi-extern- Φ | 2.74 | 500 | - | - | 3.59 | 130 | 6.33 | 500 |
| lcp-go | 2.74 | 500 | 1.45 | 104 | 4.67 | 432 | 8.86 | 500 |
| lcp-go- Φ | 2.74 | 500 | 1.45 | 104 | 8.42 | 560 | 12.61 | 560 |
| lcp-bwt-based | 2.74 | 500 | 1.45 | 104 | 22.34 | 388 | 26.53 | 500 |
| lcp-bwt-based2 | 2.74 | 500 | 1.45 | 104 | 20.35 | 119 | 24.54 | 500 |

Table 10: Results for world-leaders (size: 44.792 MB). Runtime in seconds. Space is the peak memory usage (including input and output) as fraction of original file size.

| | SA | | BWT | | LCP | | OVERALL | |
|-------------------------|---------------|--------------|---------------|--------------|---------------|--------------|---------------|--------------|
| | Time (sec) | Space (%) | Time (sec) | Space (%) | Time (sec) | Space (%) | Time (sec) | Space (%) |
| lcp-kasai | 13.47 | 500 | - | - | 17.36 | 801 | 30.83 | 801 |
| lcp- Φ | 13.47 | 500 | - | - | 12.43 | 438 | 25.90 | 500 |
| lcp-semi-extern- Φ | 13.47 | 500 | - | - | 13.57 | 120 | 27.03 | 500 |
| lcp-go | 13.47 | 500 | 3.88 | 102 | 12.11 | 440 | 29.45 | 500 |
| lcp-go- Φ | 13.47 | 500 | 3.88 | 102 | 22.02 | 364 | 39.36 | 500 |
| lcp-bwt-based | 13.47 | 500 | 3.88 | 102 | 35.21 | 273 | 52.56 | 500 |
| lcp-bwt-based2 | 13.47 | 500 | 3.88 | 102 | 33.09 | 100 | 50.43 | 500 |

Table 11: Results for E.coli (size: 107.469 MB). Runtime in seconds. Space is the peak memory usage (including input and output) as fraction of original file size.