

| parameters | time  | std  | ratio | time mtaux | std mtaux | ratio mtaux |
|------------|-------|------|-------|------------|-----------|-------------|
| l          | 0.16  | 0.03 |       | 0.09       | 0.01      |             |
| 2l         | 0.35  | 0.00 | 2.25  | 0.20       | 0.00      | 2.31        |
| 4l         | 0.85  | 0.01 | 2.40  | 0.50       | 0.01      | 2.53        |
| 8l         | 1.99  | 0.02 | 2.35  | 1.24       | 0.02      | 2.46        |
| n          | 0.16  | 0.03 |       | 0.09       | 0.01      |             |
| 2n         | 0.37  | 0.02 | 2.37  | 0.20       | 0.00      | 2.31        |
| 4n         | 0.84  | 0.01 | 2.25  | 0.54       | 0.01      | 2.73        |
| 8n         | 1.92  | 0.02 | 2.28  | 1.36       | 0.01      | 2.50        |
| n, l       | 0.16  | 0.03 |       | 0.09       | 0.01      |             |
| 2n, 2l     | 0.88  | 0.01 | 5.57  | 0.49       | 0.00      | 5.73        |
| 4n, 4l     | 4.41  | 0.03 | 5.04  | 3.15       | 0.02      | 6.38        |
| 8n, 8l     | 22.65 | 0.08 | 5.14  | 18.01      | 0.07      | 5.72        |

$l = 100, n = 100$

Formula:  $A(x, y) T_{[a, \infty)} B(x, y)$

Pattern: Since