| parameters                           | time  | $\operatorname{std}$ | ratio |
|--------------------------------------|-------|----------------------|-------|
| 1                                    | 0.38  | 0.00                 |       |
| 21                                   | 0.79  | 0.01                 | 2.06  |
| 41                                   | 1.61  | 0.01                 | 2.04  |
| 81                                   | 3.28  | 0.01                 | 2.04  |
| n                                    | 0.38  | 0.00                 |       |
| 2n                                   | 0.87  | 0.01                 | 2.28  |
| 4n                                   | 1.95  | 0.01                 | 2.23  |
| 8n                                   | 4.35  | 0.05                 | 2.24  |
| n, 1                                 | 0.38  | 0.00                 |       |
| 2n, 2l                               | 1.82  | 0.01                 | 4.75  |
| 4n, 4l                               | 7.86  | 0.04                 | 4.33  |
| 8n, 8l                               | 34.54 | 0.10                 | 4.39  |
| l = 100, n = 100                     |       |                      |       |
| Formula: $A(x, y) T_{[0,b)} B(x, y)$ |       |                      |       |
| Pattern: Historically                |       |                      |       |