| parameters                              | time meval | $\operatorname{std}$ | ratio | time mtaux | $\operatorname{std}$ mtaux | ratio |
|---|------------|----------------------|-------|------------|----------------------------|-------|
| l                                       | 0.17       | 0.01                 |       | 0.09       | 0.01                       |       |
| 2l                                      | 0.42       | 0.01                 | 2.40  | 0.23       | 0.01                       | 2.45  |
| 4l                                      | 0.98       | 0.03                 | 2.37  | 0.56       | 0.02                       | 2.48  |
| 8l                                      | 2.24       | 0.05                 | 2.28  | 1.30       | 0.03                       | 2.31  |
| $\overline{n}$                          | 0.17       | 0.01                 |       | 0.09       | 0.01                       |       |
| 2n                                      | 0.41       | 0.02                 | 2.37  | 0.23       | 0.01                       | 2.46  |
| 4n                                      | 0.92       | 0.03                 | 2.25  | 0.61       | 0.02                       | 2.64  |
| 8n                                      | 2.16       | 0.04                 | 2.35  | 1.52       | 0.02                       | 2.50  |
| n, l                                    | 0.17       | 0.01                 |       | 0.09       | 0.01                       |       |
| 2n, 2l                                  | 0.96       | 0.03                 | 5.57  | 0.57       | 0.02                       | 6.07  |
| 4n, 4l                                  | 4.89       | 0.08                 | 5.07  | 3.52       | 0.06                       | 6.21  |
| 8n, 8l                                  | 25.23      | 0.64                 | 5.16  | 19.92      | 0.43                       | 5.66  |
| l = 100, n = 100                        |            |                      |       |            |                            |       |
| Formula: $A(x,y) T_{[a,\infty)} B(x,y)$ |            |                      |       |            |                            |       |
| Pattern: Historically                   |            |                      |       |            |                            |       |