Time

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Native | Rabin Karp | Boyer Moore | Knuth Morris Pratt | Aho Corasick |
| bad\_t\_1 | 0.0 | 0.0 | 0.0009984970092773438 | 0.0 | 0.0 |
| bad\_t\_2 | 0.0 | 0.0 | 0.0010018348693847656 | 0.0 | 0.002995014190673828 |
| bad\_t\_3 | 0.10301399230957031 | 0.0039937496185302734 | 0.006981372833251953 | 0.0030183792114257812 | 0.013986587524414062 |
| bad\_t\_4 | 4.392993211746216 | 0.07294321060180664 | 0.03401637077331543 | 0.03606557846069336 | 0.06896257400512695 |
| good\_t\_1 | 0.0019986629486083984 | 0.0019981861114501953 | 0.00099945068359375 | 0.0009992122650146484 | 0.0010004043579101562 |
| good\_t\_2 | 0.0 | 0.008087396621704102 | 0.0009999275207519531 | 0.00199127197265625 | 0.003993988037109375 |
| good\_t\_3 | 0.0019991397857666016 | 0.05900263786315918 | 0.006993532180786133 | 0.004999399185180664 | 0.029026031494140625 |
| good\_t\_4 | 0.0679936408996582 | 0.11008143424987793 | 0.00798487663269043 | 0.05890035629272461 | 0.0470888614654541 |

Comparison

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Native | Rabin Karp | Boyer Moore | Knuth Morris Pratt | Aho Corasick |
| bad\_t\_1 | 18 | 9 | 10 | 18 | 18 |
| bad\_t\_2 | 910 | 91 | 100 | 190 | 190 |
| bad\_t\_3 | 90100 | 901 | 1000 | 1900 | 1900 |
| bad\_t\_4 | 4001000 | 4001 | 5000 | 9000 | 9000 |
| good\_t\_1 | 633 | 600 | 67 | 633 | 713 |
| good\_t\_2 | 695 | 611 | 106 | 695 | 1158 |
| good\_t\_3 | 2074 | 1630 | 428 | 2070 | 3539 |
| good\_t\_4 | 9614 | 9523 | 499 | 9614 | 10714 |