

Sheet1

|                          | Complete     | Nodes  | Branches | Interactive steps | Symbolic execution steps |
|--------------------------|--------------|--------|----------|-------------------|--------------------------|
| SeparateChainingArray    | ← incomplete |        |          |                   |                          |
| get                      | No           | 21348  | 466      | 0                 | 4429                     |
| put                      | No           | 219488 | 1999     | 0                 | 6601                     |
| delete                   | No           |        |          |                   |                          |
| hash                     | No           | 2223   | 42       | 0                 | 579                      |
| getIndex                 | No           | 22147  | 606      | 0                 | 5198                     |
| increaseArraySize        | No           | 199492 | 1327     | 0                 | 2386                     |
| decreaseArraySize (help) | No           | 378660 | 1996     | 0                 | 1321                     |

| LinearProbing | ohne Null grenze |        |      |   |       |
|---------------|------------------|--------|------|---|-------|
| get           | Yes              | 3205   | 51   | 0 | 556   |
| put           | Yes              | 47844  | 1175 | 0 | 12816 |
| delete        | Yes              | 14136  | 402  | 0 | 4292  |
| hash          | Yes              | 2279   | 42   | 0 | 579   |
| getIndex      | Yes              | 3282   | 46   | 0 | 485   |
| findEmpty     | Yes              | 1672   | 12   | 0 | 109   |
| overwritePair | Yes              | 112505 | 3822 | 0 | 37340 |
| overwritePair | Yes              | 102592 | 3439 | 0 | 33778 |

| Automode time (ms) | Avg. time per step | Total rules applications |
|--------------------|--------------------|--------------------------|
|                    |                    |                          |
| 45303              | 2.122              | 32438                    |
| 867515             | 3.952              | 271612                   |
|                    |                    |                          |
| 1931               | 0.869              | 3598                     |
| 45980              | 2.076              | 34843                    |
| 575095             | 2.882              | 280165                   |
| 1224290            | 3.233              | 456310                   |

|        |       |        |
|--------|-------|--------|
|        |       |        |
| 3381   | 1.055 | 4856   |
| 104781 | 2.19  | 83689  |
| 28501  | 2.016 | 24859  |
| 3916   | 1.719 | 3648   |
| 3525   | 1.074 | 5126   |
| 1649   | 0.986 | 2492   |
| 220438 | 1.959 | 204335 |
| 243724 | 2.375 | 186288 |