Comparison of time consumption of both methods by input size :

|  |  |  |
| --- | --- | --- |
| n | unique1 | unique2 |
| 50 | 1.8E-6 secs | 1.43E-5 secs |
| 200 | 1.21E-5 secs | 5.1E-5 secs |
| 10000 | 0.0106636 secs | 0.0038357 secs |
| 20000 | 0.0428875 secs | 0.0065974 secs |
| 50000 | 1.0181413 secs | 0.0094956 secs |
| 100000 | 1.4264945 secs | 0.0215325 secs |
| 200000 | 5.1673381 secs | 0.0315667 secs |

For method unique1:

Largest size of array with 1-minute time constrain: 640000

For method unique2:

Largest size of array with 1-minute time constrain: 355000000