

알고리즘 5-1(CPU: AMD Ryzen 5 5600X RAM: 32GB)	
반복 측정 횟수(1번째부터 50,000번째로 작은 값)	시간(초)
100회	0.266549
200회	0.552609
300회	0.786670
400회	1.059229
500회	1.326797
600회	1.634361
700회	1.834945
800회	2.134623
900회	2.385024
1000회	2.780634

알고리즘 5-2(CPU: AMD Ryzen 5 5600X RAM: 32GB)	
반복 측정 횟수(1번째부터 50,000번째로 작은 값)	시간(초)
100회	48.240550
200회	94.826127
300회	133.449265
400회	213.392435
500회	264.507255
600회	295.290470
700회	352.941827
800회	413.891611
900회	453.982968
1000회	500.297895

<알고리즘5-1 실행결과>

<pre>C:\Users\Godfrey\Desktop# Result = 49 Result = 49 Result = 50 Result = 49 Result = 49 Result = 50 Result = 49 Result = 49 Result = 50 Result = 49 Result = 49 Result = 49 Result = 49 Result = 49 Result = 50 Result = 49 Result = 49 Result = 49 Result = 49 Result = 50 Result = 49 Result = 49 Result = 49 Time: 0.266549 seconds ----- Process exited after 4.325 seconds with return value 0 계속하려면 아무 키나 누르십시오 . . .</pre>	<pre>C:\Users\Godfrey\Desktop# Result = 50 Result = 49 Result = 49 Result = 49 Result = 50 Result = 50 Result = 49 Result = 49 Result = 50 Result = 50 Result = 49 Result = 49 Result = 49 Result = 49 Result = 50 Result = 49 Result = 49 Result = 49 Result = 49 Result = 49 Result = 49 Result = 49 Result = 49 Time: 0.552609 seconds ----- Process exited after 3.865 seconds with return value 0 계속하려면 아무 키나 누르십시오 . . .</pre>
<pre>C:\Users\Godfrey\Desktop# Result = 49 Result = 50 Result = 49 Result = 49 Result = 50 Result = 49 Result = 49 Result = 50 Result = 49 Result = 49 Result = 49 Result = 49 Result = 49 Result = 49 Result = 49 Result = 49 Result = 49 Result = 49 Result = 49 Result = 49 Result = 50 Result = 49 Result = 49 Result = 50 Time: 0.786670 seconds ----- Process exited after 5.673 seconds with return value 0 계속하려면 아무 키나 누르십시오 . . . </pre>	<pre>C:\Users\Godfrey\Desktop# Result = 50 Result = 50 Result = 49 Result = 49 Result = 49 Result = 49 Result = 49 Result = 49 Result = 49 Result = 49 Result = 50 Result = 49 Result = 49 Result = 49 Result = 50 Result = 49 Result = 49 Result = 49 Result = 49 Result = 49 Result = 49 Result = 49 Result = 49 Result = 50 Time: 1.059229 seconds ----- Process exited after 5.113 seconds with return value 0 계속하려면 아무 키나 누르십시오 . . . </pre>

<pre>C:\Users\Godfrey\Desktop\ Result = 49 Result = 49 Result = 50 Result = 49 Result = 50 Result = 49 Result = 49 Result = 50 Result = 49 Result = 49 Result = 49 Result = 50 Result = 49 Result = 50 Result = 50 Result = 49 Result = 49 Result = 49 Result = 49 Result = 49 Result = 49 Result = 50 Result = 49 Time: 1.326797 seconds ----- Process exited after 6.808 seconds with return value 0 계속하려면 아무 키나 누르십시오 . . . </pre>	<pre>C:\Users\Godfrey\Desktop\ Result = 50 Result = 49 Result = 50 Result = 49 Result = 50 Result = 49 Result = 49 Result = 49 Result = 50 Result = 50 Result = 49 Result = 50 Result = 49 Result = 49 Result = 49 Result = 50 Result = 49 Result = 49 Result = 49 Result = 49 Result = 49 Result = 50 Time: 1.634361 seconds ----- Process exited after 6.026 seconds with return value 0 계속하려면 아무 키나 누르십시오 . . . </pre>
<pre>C:\Users\Godfrey\Desktop\ Result = 50 Result = 49 Result = 49 Result = 50 Result = 49 Result = 50 Result = 49 Result = 49 Result = 50 Result = 50 Result = 49 Result = 50 Result = 49 Result = 49 Result = 49 Result = 49 Result = 50 Result = 49 Result = 50 Result = 49 Result = 49 Time: 1.834945 seconds ----- Process exited after 6.097 seconds with return value 0 계속하려면 아무 키나 누르십시오 . . . </pre>	<pre>C:\Users\Godfrey\Desktop\ Result = 49 Result = 49 Result = 50 Result = 49 Result = 49 Result = 49 Result = 50 Result = 49 Result = 49 Result = 49 Result = 50 Result = 49 Result = 50 Result = 49 Result = 49 Result = 50 Result = 50 Result = 49 Result = 49 Result = 49 Result = 50 Result = 49 Result = 50 Time: 2.134623 seconds ----- Process exited after 15.97 seconds with return value 0 계속하려면 아무 키나 누르십시오 . . . </pre>

```
C:\Users\WGodfrey\Desktop\# x + v
Result = 50
Result = 49
Result = 50
Result = 49
Result = 50
Result = 50
Result = 49
Result = 49
Result = 50
Result = 50
Result = 49
Result = 49
Result = 49
Result = 50
Result = 50
Result = 49
Result = 49
Result = 50
Result = 50
Result = 49
Result = 49
Result = 50
Result = 50
Result = 49
Result = 49
Time: 2.385024 seconds

-----
Process exited after 7.642 seconds with return value 0
계속하려면 아무 키나 누르십시오 . . .

C:\Users\WGodfrey\Desktop\# x + v
Result = 49
Result = 49
Result = 49
Result = 49
Result = 49
Result = 49
Result = 50
Result = 49
Result = 49
Result = 50
Result = 49
Result = 49
Result = 50
Result = 49
Result = 49
Result = 50
Result = 50
Result = 49
Result = 49
Result = 49
Result = 49
Result = 50
Result = 49
Result = 50
Result = 50
Time: 2.780634 seconds

-----
Process exited after 8.915 seconds with return value 0
계속하려면 아무 키나 누르십시오 . . . |
```

<알고리즘 5-2 실행결과>

```
C:\Users\WGodfrey\Desktop\ x + v
Result = 49
Result = 50
Result = 50
Result = 50
Result = 49
Result = 49
Result = 49
Result = 49
Result = 49
Result = 49
Result = 50
Result = 49
Result = 50
Result = 50
Result = 49
Result = 49
Result = 50
Result = 48
Result = 50
Result = 50
Result = 48
Result = 48
Result = 48
Result = 50
Time: 48.240550 seconds

-----
Process exited after 53.76 seconds with return value 0
계속하려면 아무 키나 누르십시오 . . . |
```

```
C:\Users\WGodfrey\Desktop\ x + v
Result = 49
Result = 50
Result = 49
Result = 49
Result = 50
Result = 50
Result = 49
Result = 49
Result = 50
Result = 50
Result = 49
Result = 50
Result = 49
Result = 49
Result = 49
Result = 49
Result = 49
Result = 49
Result = 49
Result = 49
Result = 49
Result = 48
Result = 49
Result = 50
Result = 48
Time: 94.826127 seconds

-----
Process exited after 100.6 seconds with return value 0
계속하려면 아무 키나 누르십시오 . . . |
```

```
C:\Users\WGodfrey\Desktop\ x + v
Result = 50
Result = 49
Result = 50
Result = 50
Result = 50
Result = 49
Result = 50
Result = 49
Result = 49
Result = 49
Result = 50
Result = 49
Result = 49
Result = 49
Result = 50
Result = 49
Result = 50
Result = 50
Result = 49
Result = 50
Result = 50
Result = 49
Result = 50
Result = 49
Result = 50
Time: 133.449265 seconds

-----
Process exited after 138.4 seconds with return value 0
계속하려면 아무 키나 누르십시오 . . . |
```

```
C:\Users\WGodfrey\Desktop\ x + v
Result = 50
Result = 49
Result = 50
Result = 49
Result = 50
Result = 49
Result = 50
Result = 49
Result = 50
Result = 50
Result = 50
Result = 50
Result = 49
Result = 50
Result = 50
Result = 50
Result = 49
Result = 50
Result = 49
Result = 50
Result = 49
Result = 48
Result = 49
Result = 49
Result = 49
Time: 213.392435 seconds

-----
Process exited after 220.7 seconds with return value 0
계속하려면 아무 키나 누르십시오 . . . |
```

```
C:\Users\WGodfrey\Desktop# x + v
Result = 50
Result = 50
Result = 49
Result = 50
Result = 49
Result = 48
Result = 50
Result = 49
Result = 49
Result = 49
Result = 50
Result = 49
Result = 49
Result = 50
Result = 49
Result = 49
Result = 50
Result = 49
Result = 48
Result = 49
Result = 49
Result = 49
Time: 264.507255 seconds

-----
Process exited after 270.3 seconds with return value 0
계속하려면 아무 키나 누르십시오 . . .
```

```
C:\Users\WGodfrey\Desktop# x + v
Result = 49
Result = 49
Result = 49
Result = 49
Result = 50
Result = 49
Result = 50
Result = 49
Result = 49
Result = 50
Result = 50
Result = 49
Result = 49
Result = 49
Result = 49
Result = 50
Result = 49
Result = 49
Result = 50
Result = 48
Result = 50
Result = 50
Result = 49
Time: 295.290470 seconds

-----
Process exited after 300.1 seconds with return value 0
계속하려면 아무 키나 누르십시오 . . .
```

```
C:\Users\WGodfrey\Desktop# x + v
Result = 50
Result = 50
Result = 50
Result = 50
Result = 49
Result = 49
Result = 49
Result = 49
Result = 49
Result = 49
Result = 48
Result = 49
Result = 49
Result = 49
Result = 50
Result = 49
Result = 50
Result = 49
Result = 50
Result = 50
Result = 50
Result = 50
Result = 48
Result = 50
Result = 49
Time: 352.941827 seconds

-----
Process exited after 358.5 seconds with return value 0
계속하려면 아무 키나 누르십시오 . . . |
```

```
C:\Users\WGodfrey\Desktop# x + v
Result = 49
Result = 50
Result = 50
Result = 49
Result = 48
Result = 50
Result = 49
Result = 49
Result = 50
Result = 49
Result = 48
Result = 48
Result = 48
Result = 49
Result = 50
Result = 49
Result = 48
Result = 50
Result = 49
Result = 50
Result = 49
Result = 50
Result = 49
Result = 49
Result = 50
Time: 413.891611 seconds

-----
Process exited after 419.2 seconds with return value 0
계속하려면 아무 키나 누르십시오 . . . |
```

C:\Users\Godfrey\Desktop#

```
Result = 49
Result = 49
Result = 49
Result = 49
Result = 49
Result = 50
Result = 50
Result = 49
Result = 50
Result = 49
Result = 48
Result = 50
Result = 49
Result = 50
Result = 49
Result = 49
Result = 49
Result = 50
Result = 49
Result = 50
Result = 50
Result = 49
Result = 50
Result = 48
Time: 453.982968 seconds
```

Process exited after 459.3 seconds with return value 0
계속하려면 아무 키나 누르십시오 . . .

C:\Users\Godfrey\Desktop#

```
Result = 50
Result = 50
Result = 49
Result = 49
Result = 49
Result = 49
Result = 49
Result = 50
Result = 48
Result = 49
Result = 49
Result = 49
Result = 50
Result = 49
Result = 49
Result = 49
Result = 50
Result = 49
Result = 50
Result = 50
Result = 49
Result = 50
Result = 48
Result = 49
Result = 49
Result = 49
Time: 500.297895 seconds
```

Process exited after 502.9 seconds with return value 0
계속하려면 아무 키나 누르십시오 . . .