Array Sum runtime

Hieronder zie je de runtime van de code voor de volgende aantal threads = [1,2,4,8] en deze lijsten 10k , 100k, 1m en 10m

```
maria@maria-VirtualBox:~/HPP$ ./ompArraySum 10k.txt
threads 1runtime  =0.000142 sec with 1 thread
threads 2runtime  =0.000078 sec with 2 thread
threads 4runtime  =0.000041 sec with 4 thread
threads 8runtime  =0.001190 sec with 8 thread
maria@maria-VirtualBox:~/HPP$ ./ompArraySum 10k.txt
threads 1runtime  =0.000911 sec with 1 thread
threads 2runtime  =0.000062 sec with 2 thread
threads 4runtime  =0.003372 sec with 4 thread
threads 8runtime  =0.000029 sec with 8 thread
maria@maria-VirtualBox:~/HPP$ ./ompArraySum 10k.txt
threads 1runtime  =0.000129 sec with 1 thread
threads 2runtime  =0.000061 sec with 2 thread
threads 4runtime  =0.000089 sec with 4 thread
threads 8runtime  =0.000027 sec with 8 thread
maria@maria-VirtualBox:~/HPP$ ./ompArraySum 10k.txt
threads 1runtime  =0.000142 sec with 1 thread
threads 2runtime  =0.000075 sec with 2 thread
threads 4runtime  =0.000049 sec with 4 thread
threads 8runtime  =0.002196 sec with 8 thread
```

```
maria@maria-VirtualBox:~/HPP$ ./ompArraySum 100k.txt
threads 1runtime  =0.001354 sec with 1 thread
threads 2runtime  =0.000752 sec with 2 thread
threads 4runtime  =0.000529 sec with 4 thread
threads 8runtime  =0.000201 sec with 8 thread
maria@maria-VirtualBox:~/HPP$ ./ompArraySum 100k.txt
threads 1runtime  =0.001703 sec with 1 thread
threads 2runtime  =0.000731 sec with 2 thread
threads 4runtime  =0.000511 sec with 4 thread
threads 8runtime  =0.004598 sec with 8 thread
maria@maria-VirtualBox:~/HPP$ ./ompArraySum 100k.txt
threads 1runtime  =0.001592 sec with 1 thread
threads 2runtime  =0.001197 sec with 2 thread
threads 4runtime  =0.000388 sec with 4 thread
threads 8runtime  =0.001535 sec with 8 thread
maria@maria-VirtualBox:~/HPP$ ./ompArraySum 100k.txt
threads 1runtime  =0.001132 sec with 1 thread
threads 2runtime  =0.000568 sec with 2 thread
threads 4runtime  =0.000287 sec with 4 thread
threads 8runtime  =0.000194 sec with 8 thread
```

```
maria@maria-VirtualBox:~/HPP$ ./ompArraySum 1m.txt
threads 1runtime    =0.011257 sec with 1 thread
threads 2runtime    =0.005677 sec with 2 thread
threads 4runtime    =0.004096 sec with 4 thread
threads 8runtime    =0.013864 sec with 8 thread
maria@maria-VirtualBox:~/HPP$ ./ompArraySum 1m.txt
threads 1runtime    =0.011141 sec with 1 thread
threads 2runtime    =0.005714 sec with 2 thread
threads 4runtime    =0.002798 sec with 4 thread
threads 8runtime    =0.005585 sec with 8 thread
maria@maria-VirtualBox:~/HPP$ ./ompArraySum 1m.txt
threads 1runtime    =0.011353 sec with 1 thread
threads 2runtime    =0.005603 sec with 2 thread
threads 4runtime    =0.002932 sec with 4 thread
threads 8runtime    =0.005327 sec with 8 thread
maria@maria-VirtualBox:~/HPP$ ./ompArraySum 1m.txt
threads 1runtime    =0.011461 sec with 1 thread
threads 2runtime    =0.005587 sec with 2 thread
threads 4runtime    =0.002878 sec with 4 thread
threads 8runtime    =0.005136 sec with 8 thread
```

```
maria@maria-VirtualBox:~/HPP$ ./ompArraySum 10m.txt
threads 1runtime    =0.118607 sec with 1 thread
threads 2runtime    =0.080023 sec with 2 thread
threads 4runtime    =0.100865 sec with 4 thread
threads 8runtime    =0.065392 sec with 8 thread
maria@maria-VirtualBox:~/HPP$ ./ompArraySum 10m.txt
threads 1runtime    =0.113706 sec with 1 thread
threads 2runtime    =0.079920 sec with 2 thread
threads 4runtime    =0.072878 sec with 4 thread
threads 8runtime    =0.074350 sec with 8 thread
maria@maria-VirtualBox:~/HPP$ ./ompArraySum 10m.txt
threads 1runtime    =0.111128 sec with 1 thread
threads 2runtime    =0.081026 sec with 2 thread
threads 4runtime    =0.055813 sec with 4 thread
threads 8runtime    =0.068010 sec with 8 thread
maria@maria-VirtualBox:~/HPP$ ./ompArraySum 10m.txt
threads 1runtime    =0.116841 sec with 1 thread
threads 2runtime    =0.092975 sec with 2 thread
threads 4runtime    =0.041361 sec with 4 thread
threads 8runtime    =0.064334 sec with 8 thread
```

Een korte samenvatting:

10k					
	1	0,000911			
	2	0,000062			
	4	0,003372			
	8	0,000029			
			gemiddelde	0,0010935	
			std	0,001362169	
100k					
	1	0,001352			
	2	0,000752			
	4	0,000529			
	8	0,000201			
			gemiddelde	0,0007085	
1m			std	0,000420048	
	1	0,011461			
	2	0,005587			
	4	0,002878			
	8	0,005136			
			gemiddelde	0,0062655	
10m			std	0,003170351	
	1	0,116841			
	2	0,092975			
	4	0,041361			
	8	0,064334			
			gemiddelde	0,07887775	
			std	0,028543686	