```
* CPU Report
 /* CPU */
              : Intel(R) Core(TM) i7-4770K CPU @ 3.50GHz
model name
vendor_id
               : GenuineIntel
cpu cores
                : 8
siblings
cache size
               : 8192 KB
 /* Calculation Reports */
 2 Cores CPU - Size Problem 100000
  Try 1
   Runtime 3.31e-04 [s]
    Process
                   Total
                          problemSize
                                             Total
                                                          Local
                                                                       Total
                                50000
                                            100000
                                                       1.458333
                                                                     1.458333
                                                       1.208333
                                50000
          1
                                            100000
                                                                     2.666667
  Try 2
    Runtime 3.84e-04 [s]
                   Total
                          problemSize
    Process
                                             Total
                                                          Local
                                                                        Total
          0
                       2
                                50000
                                            100000
                                                       1.458333
                                                                     1.458333
                                            100000
          1
                       2
                                50000
                                                       1.208333
                                                                     2.666667
  Try 3
    Runtime 4.06e-04 [s]
                          problemSize
                   Total
                                             Total
                                                          Local
                                                                        Total
                                50000
                                            100000
                                                       1.458333
                                                                     1.458333
                       2
          1
                                50000
                                            100000
                                                       1.208333
                                                                     2.666667
  Try 4
    Runtime 3.66e-04 [s]
    Process
                   Total
                          problemSize
                                             Total
                                                          Local
                                                                        Total
                               50000
          0
                       2
                                            100000
                                                        1.458333
                                                                     1.458333
                                50000
                                            100000
                                                       1.208333
          1
                                                                     2.666667
  Try 5
    Runtime 2.94e-04 [s]
                   Total
                          problemSize
                                             Total
                                                                        Total
    Process
                                                          Local
                       2
                                50000
                                            100000
                                                       1.458333
          0
                                                                     1.458333
                       2
          1
                                50000
                                            100000
                                                       1.208333
                                                                     2.666667
 2 Cores CPU - Size Problem 200000
  Try 1
    Runtime 7.95e-04 [s]
                   Total
                         problemSize
                                             Total
                                                          Local
                                                                        Total
                               100000
                                            200000
                                                       1.458333
                                                                    1.458333
          0
                       2
                       2
          1
                               100000
                                            200000
                                                       1.208333
                                                                     2.666667
  Try 2
    Runtime 5.75e-04 [s]
    Process
                  Total problemSize Total Local Total
```

result_report-pa	arallel-cp	ou.txt			Pa
0 1	2 2	100000 100000	200000 200000	1.458333 1.208333	1.458333 2.666667
Try 3					
Runtime 6.0	8e-04 [s]				
Process 0 1	Total 2 2	problemSize 100000 100000	Total 200000 200000	Local 1.458333 1.208333	Total 1.458333 2.666667
Try 4					
Runtime 5.8	0e-04 [s]				
Process 0 1	Total 2 2	problemSize 100000 100000	Total 200000 200000	Local 1.458333 1.208333	Total 1.458333 2.666667
Try 5					
Runtime 7.9	8e-04 [s]				
Process 0 1	Total 2 2	problemSize 100000 100000	Total 200000 200000	Local 1.458333 1.208333	Total 1.458333 2.666667
4 Cores CPU - 8	Size Probl	em 100000			
Try 1		100000			
Runtime 3.0	6e-04 [s]				
Process 0 1 2 3	Total 4 4 4 4	problemSize 25000 25000 25000 25000	Total 100000 100000 100000 100000	Local 0.744792 0.713542 0.651042 0.557292	Total 0.744792 1.458333 2.109375 2.666667
Try 2					
Runtime 1.9	1e-04 [s]				
Process 0 1 2 3	Total 4 4 4 4	problemSize 25000 25000 25000 25000	Total 100000 100000 100000 100000	Local 0.744792 0.713542 0.651042 0.557292	Total 0.744792 1.458333 2.109375 2.666667
Try 3					
Runtime 3.3	2e-04 [s]				
Process 0 1 2 3	Total 4 4 4 4	problemSize 25000 25000 25000 25000	Total 100000 100000 100000 100000	Local 0.744792 0.713542 0.651042 0.557292	Total 0.744792 1.458333 2.109375 2.666667
Try 4					
Runtime 3.5	2e-04 [s]				
Process 0 1 2 3	Total 4 4 4 4	problemSize 25000 25000 25000 25000	Total 100000 100000 100000	Local 0.744792 0.713542 0.651042 0.557292	Total 0.744792 1.458333 2.109375 2.666667
Try 5			:		

Try 5

Runtime 2.62e-04 [s]

Process 0 1 2 3	Total 4 4 4 4	problemSize 25000 25000 25000 25000	Total 100000 100000 100000 100000	Local 0.744792 0.713542 0.651042 0.557292	Total 0.744792 1.458333 2.109375 2.666667	
4 Cores CPU - S	Size Probl	em 200000				
Try 1						
Runtime 5.33	1e-04 [s]					
Process 0 1 2 3	Total 4 4 4 4	problemSize 50000 50000 50000 50000	Total 200000 200000 200000 200000	Local 0.744792 0.713542 0.651042 0.557292	Total 0.744792 1.458333 2.109375 2.666667	
Try 2						
Runtime 4.03	3e-04 [s]					
Process 0 1 2 3	Total 4 4 4 4	problemSize 50000 50000 50000 50000	Total 200000 200000 200000 200000	Local 0.744792 0.713542 0.651042 0.557292	Total 0.744792 1.458333 2.109375 2.666667	
Try 3						
Runtime 3.50	0e-04 [s]					
Process 0 1 2 3	Total 4 4 4 4	problemSize 50000 50000 50000 50000	Total 200000 200000 200000 200000	Local 0.744792 0.713542 0.651042 0.557292	Total 0.744792 1.458333 2.109375 2.666667	
Try 4						
Runtime 2.63	3e-04 [s]					
Process 0 1 2 3	Total 4 4 4 4	problemSize 50000 50000 50000 50000	Total 200000 200000 200000 200000	Local 0.744792 0.713542 0.651042 0.557292	Total 0.744792 1.458333 2.109375 2.666667	
Try 5						
Runtime 3.28e-04 [s]						
Process 0 1 2 3	Total 4 4 4 4	problemSize 50000 50000 50000 50000	Total 200000 200000 200000 200000	Local 0.744792 0.713542 0.651042 0.557292	Total 0.744792 1.458333 2.109375 2.666667	
6 Cores CPU - Size Problem 100000						
Try 1						
Runtime 3.75e-04 [s]						
Process 0 1 2 3 4	Total 6 6 6 6 6	problemSize 16666 16666 16666 16666	Total 100000 100000 100000 100000 100000	Local 0.498437 0.489179 0.470663 0.442888 0.405855	Total 0.498437 0.987616 1.458278 1.901166 2.307022	

result_report-parallel-cpu.txt Pag							
5	6	16666	100000	0.359565	2.666587		
Try 2							
Runtime 1.23	e-04 [s]						
Process 0 1 2 3 4 5	Total 6 6 6 6 6	problemSize 16666 16666 16666 16666 16666	Total 100000 100000 100000 100000 100000	Local 0.498437 0.489179 0.470663 0.442888 0.405855 0.359565	Total 0.498437 0.987616 1.458278 1.901166 2.307022 2.666587		
Try 3							
Runtime 3.00	e-04 [s]						
Process 0 1 2 3 4 5	Total 6 6 6 6 6	problemSize 16666 16666 16666 16666 16666	Total 100000 100000 100000 100000 100000	Local 0.498437 0.489179 0.470663 0.442888 0.405855 0.359565	Total 0.498437 0.987616 1.458278 1.901166 2.307022 2.666587		
Try 4							
Runtime 3.10	e-04 [s]						
Process 0 1 2 3 4 5	Total 6 6 6 6 6	problemSize 16666 16666 16666 16666 16666	Total 100000 100000 100000 100000 100000	Local 0.498437 0.489179 0.470663 0.442888 0.405855 0.359565	Total 0.498437 0.987616 1.458278 1.901166 2.307022 2.666587		
Try 5							
Runtime 3.43	e-04 [s]						
Process 0 1 2 3 4 5	Total 6 6 6 6 6	problemSize 16666 16666 16666 16666 16666	Total 100000 100000 100000 100000 100000	Local 0.498437 0.489179 0.470663 0.442888 0.405855 0.359565	Total 0.498437 0.987616 1.458278 1.901166 2.307022 2.666587		
6 Cores CPU - Size Problem 200000							
Try 1							
Runtime 3.14	e-04 [s]						
Process 0 1 2 3 4 5	Total 6 6 6 6 6	problemSize	Total 200000 200000 200000 200000 200000 200000	Local 0.498452 0.489193 0.470675 0.442898 0.405862 0.359567	Total 0.498452 0.987645 1.458320 1.901218 2.307080 2.666647		
Try 2							
Runtime 2.01e-04 [s]							
Process 0 1 2	Total 6 6 6	problemSize 33333 33333 33333	Total 200000 200000 200000	Local 0.498452 0.489193 0.470675	Total 0.498452 0.987645 1.458320		

Try 3

Runtime 2.97e-04 [s]						
Process 0 1 2 3 4 5 6 7	Total 8 8 8 8 8 8 8 8 8 8 8 8 8 8	problemSize 12500 12500 12500 12500 12500 12500 12500 12500	Total 100000 100000 100000 100000 100000 100000 100000	Local 0.374349 0.370443 0.362630 0.350911 0.335286 0.315755 0.292318 0.264974	Total 0.374349 0.744792 1.107422 1.458333 1.793620 2.109375 2.401693 2.6666667	
Try 4						
Runtime 2.77e-0	04 [s]					
Process 0 1 2 3 4 5 6 7	Total 8 8 8 8 8 8 8 8 8 8 8 8	problemSize 12500 12500 12500 12500 12500 12500 12500 12500	Total 100000 100000 100000 100000 100000 100000 100000	Local 0.374349 0.370443 0.362630 0.350911 0.335286 0.315755 0.292318 0.264974	Total 0.374349 0.744792 1.107422 1.458333 1.793620 2.109375 2.401693 2.666667	
Try 5						
Runtime 2.12e-0	04 [s]					
Process 0 1 2 3 4 5 6 7	Total 8 8 8 8 8 8 8	problemSize 12500 12500 12500 12500 12500 12500 12500	Total 100000 100000 100000 100000 100000 100000 100000	Local 0.374349 0.370443 0.362630 0.350911 0.335286 0.315755 0.292318 0.264974	Total 0.374349 0.744792 1.107422 1.458333 1.793620 2.109375 2.401693 2.666667	
8 Cores CPU - Size Problem 200000						
Try 1 Runtime 4.83e-0	04 [s]					
Process 0 1 2 3 4 5 6 7	Total 8 8 8 8 8 8 8 8 8 8 8 8	problemSize 25000 25000 25000 25000 25000 25000 25000 25000 25000	Total 200000 200000 200000 200000 200000 200000 200000 200000	Local 0.374349 0.370443 0.362630 0.350911 0.335286 0.315755 0.292318 0.264974	Total 0.374349 0.744792 1.107422 1.458333 1.793620 2.109375 2.401693 2.666667	
Try 2						
Runtime 1.87e-04 [s]						
Process 0 1 2 3 4 5 6 7	Total 8 8 8 8 8 8 8 8 8	problemSize 25000 25000 25000 25000 25000 25000 25000 25000	Total 200000 200000 200000 200000 200000 200000 200000 200000	Local 0.374349 0.370443 0.362630 0.350911 0.335286 0.315755 0.292318 0.264974	Total 0.374349 0.744792 1.107422 1.458333 1.793620 2.109375 2.401693 2.666667	

Try 3

Runtime	3.06e-04 [s]				
Process 0 1 2 3 4 5 6	Total 8 8 8 8 8 8	problemSize 25000 25000 25000 25000 25000 25000 25000 25000	Total 200000 200000 200000 200000 200000 200000 200000 200000	Local 0.374349 0.370443 0.362630 0.350911 0.335286 0.315755 0.292318 0.264974	Total 0.374349 0.744792 1.107422 1.458333 1.793620 2.109375 2.401693 2.666667
Try 4					
Runtime	2.55e-04 [s]				
Process 0 1 2 3 4 5 6	Total 8 8 8 8 8 8 8	problemSize	Total 200000 200000 200000 200000 200000 200000 200000 200000	Local 0.374349 0.370443 0.362630 0.350911 0.335286 0.315755 0.292318 0.264974	Total 0.374349 0.744792 1.107422 1.458333 1.793620 2.109375 2.401693 2.6666667
Try 5					
Runtime	3.68e-04 [s]				
Process 0 1 2 3 4 5 6	Total 8 8 8 8 8 8 8	problemSize	Total 200000 200000 200000 200000 200000 200000 200000 200000	Local 0.374349 0.370443 0.362630 0.350911 0.335286 0.315755 0.292318 0.264974	Total 0.374349 0.744792 1.107422 1.458333 1.793620 2.109375 2.401693 2.666667