```
* 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 20000
  Try 1
   Runtime 4.44e-05 [s]
    Process
                   Total
                          problemSize
                                             Total
                                                          Local
                                                                       Total
                                10000
                                              20000
                                                        0.463648
                                                                     0.463648
                                10000
                                                        1.287002
                                                                     3.141593
          1
                                              20000
  Try 2
    Runtime 6.89e-05 [s]
                   Total
                          problemSize
    Process
                                             Total
                                                          Local
                                                                        Total
                                                        0.463648
          0
                       2
                                10000
                                              20000
                                                                     0.463648
                                              20000
          1
                       2
                                10000
                                                        1.287002
                                                                     3.141593
  Try 3
    Runtime 4.48e-05 [s]
                          problemSize
                   Total
                                             Total
                                                          Local
                                                                        Total
                               10000
                                              20000
                                                        0.463648
                                                                     0.463648
                       2
          1
                                10000
                                              20000
                                                        1.287002
                                                                     3.141593
  Try 4
    Runtime 5.04e-05 [s]
    Process
                   Total
                          problemSize
                                             Total
                                                          Local
                                                                        Total
                                                        0.463648
                                                                     0.463648
          0
                       2
                                10000
                                              20000
                                10000
                                              20000
                                                        1.287002
                                                                     3.141593
          1
  Try 5
    Runtime 8.14e-05 [s]
                   Total
                          problemSize
                                             Total
                                                                        Total
    Process
                                                          Local
                       2
                                10000
                                              20000
                                                        0.463648
          0
                                                                     0.463648
                       2
          1
                                10000
                                              20000
                                                        1.287002
                                                                     3.141593
 2 Cores CPU - Size Problem 40000
  Try 1
    Runtime 8.65e-05 [s]
                   Total problemSize
                                             Total
                                                          Local
                                                                        Total
                               20000
                                             40000
                                                        0.463648
                                                                    0.463648
          0
                       2
                       2
          1
                                20000
                                              40000
                                                        1.287002
                                                                     3.141593
  Try 2
    Runtime 1.13e-04 [s]
   Process
                  Total problemSize Total Local Total
```

result_report-p	aralle1-cb	ou.txt			Pag
0 1	2 2	20000 20000	40000 40000	0.463648 1.287002	0.463648 3.141593
Try 3					
Runtime 8.8	8e-05 [s]				
Process 0 1	Total 2 2	problemSize 20000 20000	Total 40000 40000	Local 0.463648 1.287002	Total 0.463648 3.141593
Try 4					
Runtime 8.7	0e-05 [s]				
Process 0 1	Total 2 2	problemSize 20000 20000	Total 40000 40000	Local 0.463648 1.287002	Total 0.463648 3.141593
Try 5					
Runtime 8.6	9e-05 [s]				
Process 0 1	Total 2 2	problemSize 20000 20000	Total 40000 40000	Local 0.463648 1.287002	Total 0.463648 3.141593
4 Cores CPU -	Size Probl	em 20000			
Try 1					
Runtime 4.9	3e-05 [s]				
Process 0 1 2 3	Total 4 4 4 4	problemSize 5000 5000 5000 5000	Total 20000 20000 20000 20000	Local 0.244979 0.874676 0.719414 0.567588	Total 0.244979 1.854590 2.574004 3.141593
Try 2					
Runtime 2.9	5e-05 [s]				
Process 0 1 2 3	Total 4 4 4 4	problemSize 5000 5000 5000 5000	Total 20000 20000 20000 20000	Local 0.244979 0.874676 0.719414 0.567588	Total 0.244979 1.854590 2.574004 3.141593
Try 3					
Runtime 6.0	4e-05 [s]				
Process 0 1 2 3	Total 4 4 4 4	problemSize 5000 5000 5000 5000	Total 20000 20000 20000 20000	Local 0.244979 0.719414 0.874676 0.567588	Total 0.244979 1.699329 2.574004 3.141593
Try 4					
Runtime 5.9	1e-05 [s]				
Process 0 1 2 3	Total 4 4 4 4	problemSize 5000 5000 5000 5000	Total 20000 20000 20000 20000	Local 0.244979 0.874676 0.719414 0.567588	Total 0.244979 1.854590 2.574004 3.141593
Trv 5					

Try 5

Runtime 8.55e-05 [s]

Process 0 1 2 3	Total 4 4 4	problemSize 5000 5000 5000 5000	Total 20000 20000 20000 20000	Local 0.244979 0.719414 0.874676 0.567588	Total 0.244979 1.699329 2.574004 3.141593	
4 Cores CPU - S	ize Probl	em 40000				
Try 1						
Runtime 1.17	e-04 [s]					
Process 0 1 2 3	Total 4 4 4 4	problemSize 10000 10000 10000 10000	Total 40000 40000 40000 40000	Local 0.244979 0.874676 0.719414 0.567588	Total 0.244979 1.854590 2.574004 3.141593	
Try 2						
Runtime 1.34	e-04 [s]					
Process 0 1 2 3	Total 4 4 4 4	problemSize 10000 10000 10000 10000	Total 40000 40000 40000 40000	Local 0.244979 0.567588 0.874676 0.719414	Total 0.244979 1.547503 2.422179 3.141593	
Try 3						
Runtime 9.84	e-05 [s]					
Process 0 1 2 3	Total 4 4 4 4	problemSize 10000 10000 10000 10000	Total 40000 40000 40000 40000	Local 0.244979 0.874676 0.719414 0.567588	Total 0.244979 1.854590 2.574004 3.141593	
Try 4						
Runtime 9.55	e-05 [s]					
Process 0 1 2 3	Total 4 4 4 4	problemSize 10000 10000 10000 10000	Total 40000 40000 40000 40000	0.874676 0.719414	1.854590 2.574004	
Try 5						
Runtime 9.04e-05 [s]						
Process 0 1 2 3	Total 4 4 4 4	problemSize 10000 10000 10000 10000	Total 40000 40000 40000 40000	Local 0.244979 0.874676 0.719414 0.567588	2.574004	
6 Cores CPU - Size Problem 20000						
Try 1						
Runtime 6.93e-05 [s]						
Process 0 1 2 3 4	Total 6 6 6 6 6	problemSize 3333 3333 3333 3333 3333	Total 20000 20000 20000 20000 20000	Local 0.165181 0.362706 0.626528 0.567695 0.497512	1.023431	

resurc_reporc-p	ararrer-cp	u.cxc			Fay
5	6	3333	20000	0.427021	3.142187
Try 2					
Runtime 9.1	5e-05 [s]				
Process 0 1 2 3 4 5	Total 6 6 6 6 6 6	problemSize 3333 3333 3333 3333 3333 3333	Total 20000 20000 20000 20000 20000 20000	Local 0.165181 0.567695 0.626528 0.427021 0.362706 0.497512	Total 0.165181 1.228419 1.854947 2.281968 2.644674 3.142187
Try 3					
Runtime 4.8	6e-05 [s]				
Process 0 1 2 3 4 5	Total 6 6 6 6 6 6 6	problemSize	Total 20000 20000 20000 20000 20000 20000	Local 0.165181 0.567695 0.427021 0.497512 0.626528 0.362706	Total 0.165181 1.228419 1.655441 2.152953 2.779480 3.142187
Try 4					
Runtime 3.8	0e-04 [s]				
Process 0 1 2 3 4 5	Total 6 6 6 6 6	problemSize	Total 20000 20000 20000 20000 20000 20000	Local 0.165181 0.427021 0.626528 0.567695 0.362706 0.497512	Total 0.165181 1.087746 1.714273 2.281968 2.644674 3.142187
Try 5					
Runtime 4.8	5e-05 [s]				
Process 0 1 2 3 4 5	Total 6 6 6 6 6	problemSize 3333 3333 3333 3333 3333 3333	Total 20000 20000 20000 20000 20000 20000	Local 0.165181 0.427021 0.362706 0.567695 0.626528 0.497512	Total 0.165181 1.087746 1.450452 2.018147 2.644674 3.142187
6 Cores CPU -	Size Probl	em 40000			
Try 1					
Runtime 1.7	5e-04 [s]				
Process 0 1 2 3 4 5	Total 6 6 6 6 6	problemSize 6666 6666 6666 6666 6666	Total 40000 40000 40000 40000 40000 40000	Local 0.165157 0.362656 0.626438 0.497443 0.426962 0.567615	1.649721 2.147164
Try 2					
Runtime 1.0	3e-04 [s]				
Process 0 1 2	Total 6 6 6	problemSize 6666 6666 6666	Total 40000 40000 40000	Local 0.165157 0.626438 0.567615	Total 0.165157 1.287065 1.854680

	-uu- op				
Runtime 3.59	e-05 [s]				
Process 0 1 2 3 4 5 6 7	Total 8 8 8 8 8 8 8	problemSize 2500 2500 2500 2500 2500 2500 2500 2500	Total 20000 20000 20000 20000 20000 20000 20000 20000	Local 0.124355 0.482495 0.419508 0.339607 0.266273 0.455168 0.379807 0.301316	Total 0.124355 0.979915 1.399422 1.739030 2.005302 2.460470 2.840277 3.141593
Try 4					
Runtime 7.95	e-05 [s]				
Process 0 1 2 3 4 5 6 7	Total 8 8 8 8 8 8 8	problemSize 2500 2500 2500 2500 2500 2500 2500 2500	Total 20000 20000 20000 20000 20000 20000 20000 20000	Local 0.124355 0.482495 0.455168 0.379807 0.419508 0.339607 0.301316 0.266273	Total 0.124355 0.979915 1.435083 1.814890 2.234397 2.574004 2.875320 3.141593
Try 5					
Runtime 1.03	e-04 [s]				
Process 0 1 2 3 4 5 6 7	Total 8 8 8 8 8 8 8	problemSize 2500 2500 2500 2500 2500 2500 2500 2500	Total 20000 20000 20000 20000 20000 20000 20000 20000	Local 0.124355 0.379807 0.455168 0.301316 0.482495 0.266273 0.339607 0.419508	Total 0.124355 0.877227 1.332395 1.633710 2.116205 2.382478 2.722085 3.141593
8 Cores CPU - S	ize Probl	em 40000			
Try 1					
Runtime 1.03	e-04 [s]				
Process 0 1 2 3 4 5 6 7	Total 8 8 8 8 8 8	problemSize 5000 5000 5000 5000 5000 5000 5000	Total 40000 40000 40000 40000 40000 40000 40000	Local 0.124355 0.455168 0.482495 0.419508 0.379807 0.339607 0.301316 0.266273	Total 0.124355 0.952588 1.435083 1.854590 2.234397 2.574004 2.875320 3.141593
Try 2					
Runtime 1.12e-04 [s]					
Process 0 1 2 3 4 5 6 7	Total 8 8 8 8 8 8 8	problemSize 5000 5000 5000 5000 5000 5000 5000 50	Total 40000 40000 40000 40000 40000 40000 40000	Local 0.124355 0.482495 0.455168 0.301316 0.419508 0.339607 0.266273 0.379807	Total 0.124355 0.979915 1.435083 1.736398 2.155906 2.495513 2.761786 3.141593

Try 3

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Runtime	1.00e-04 [s]					
Process 0 1 2 3 4 5 6	Total 8 8 8 8 8 8	problemSize	Total 40000 40000 40000 40000 40000 40000 40000 40000	Local 0.124355 0.379807 0.482495 0.455168 0.419508 0.339607 0.301316 0.266273	Total 0.124355 0.877227 1.359721 1.814890 2.234397 2.574004 2.875320 3.141593	
Try 4						
Runtime	1.19e-04 [s]					
Process 0 1 2 3 4 5 6	Total 8 8 8 8 8 8 8	problemSize	Total 40000 40000 40000 40000 40000 40000 40000	Local 0.124355 0.455168 0.482495 0.379807 0.339607 0.301316 0.419508 0.266273	Total 0.124355 0.952588 1.435083 1.814890 2.154497 2.455812 2.875320 3.141593	
Try 5						
Runtime 1.14e-04 [s]						
Process 0 1 2 3 4 5 6	Total 8 8 8 8 8 8 8	problemSize	Total 40000 40000 40000 40000 40000 40000 40000	Local 0.124355 0.455168 0.266273 0.482495 0.419508 0.379807 0.339607 0.301316	Total 0.124355 0.952588 1.218861 1.701355 2.120863 2.500670 2.840277 3.141593	