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1 /Users/rr/CLionProjects/Assignment3-Bernardi-Buoso-
  Benetollo/cmake-build-debug/
  Assignment3_Bernardi_Buoso_Benetollo
2 vvvv-----TEST 1-----vvvv
3 2 3 5 3 -> 4
4
5 ***Concluso test [test_indexlib]
6 Elapsed time in microseconds : 10 µs
7 ^^^^-----TEST 1-----^^^
8 vvvv-----TEST 2-----vvvv
9 2 5 -> 2
10
11 ***Concluso test [test_nonrepeat]
12 Elapsed time in microseconds : 15 µs
13 ^^^^-----TEST 2-----^^^
14 vvvv-----TEST 3-----vvvv
15 number of threads: 1
16 here the result of [t1(i,j) = t3(i,j,k,k)+t4(i,k,k,j)];
17 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
   1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
   1 1 1 1 1
18
19 ***Concluso test [test_sum_2244_2442_1_thread]
20 Elapsed time in microseconds : 380 µs
21 ^^^^-----TEST 3-----^^^
22 vvvv-----TEST 4-----vvvv
23 number of threads: 4
24 here the result of [t1(i,j) = t3(i,j,k,k)+t4(i,k,k,j)];
25 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
   1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
   1 1 1 1 1
26
27 ***Concluso test [test_sum_2244_2442_n_threads]
28 Elapsed time in microseconds : 550 µs
29 ^^^^-----TEST 4-----^^^
30 vvvv-----TEST 5-----vvvv
31 3 3
32
33 ***Concluso test [test_diff]
34 Elapsed time in microseconds : 9 µs
35 ^^^^-----TEST 5-----^^^
36 vvvv-----TEST 6-----vvvv
37 1 0
38
39 3 5 3 2 4 4
40
41 ***Concluso test [test_merge]
42 Elapsed time in microseconds : 25 µs
43 ^^^^-----TEST 6-----^^^
44 vvvv-----TEST 7-----vvvv

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45 1 1 1 1
46
47 ***Concluso test [test_iter_tensor]
48 Elapsed time in microseconds : 31 µs
49 ^^^^-----TEST 7-----^^^^
50 vvvv-----TEST 8-----vvvv
51 1 1 1 1
52 number of threads: 4
53 here the result of [t2(j,i) = t1(i,j)];
54 1 1 1 1
55
56 ***Concluso test [test_invert_matrixes_1_thread]
57 Elapsed time in microseconds : 223 µs
58 ^^^^-----TEST 8-----^^^^
59 vvvv-----TEST 9-----vvvv
60 1 1 1 1
61 number of threads: 4
62 here the result of [t2(j,i) = t1(i,j)];
63 1 1 1 1
64
65 ***Concluso test [test_invert_matrixes_n_threadss]
66 Elapsed time in microseconds : 637 µs
67 ^^^^-----TEST 9-----^^^^
68 vvvv-----TEST 10-----vvvv
69 1 1 1 1
70 1 1 1 1 1 1 1 1
71 number of threads: 2
72 here the result of [t4(i) = t3(i,j,k)*t1(j,k)+t3(i,k,k)];
73 8 8
74
75 ***Concluso test [test_sum_mult_op_1_threads]
76 Elapsed time in microseconds : 302 µs
77 ^^^^-----TEST 10-----^^^^
78 vvvv-----TEST 11-----vvvv
79 1 1 1 1
80 1 1 1 1 1 1 1 1
81 number of threads: 4
82 here the result of [t4(i) = t3(i,j,k)*t1(j,k)+t3(i,k,k)];
83 8 8
84
85 ***Concluso test [test_sum_mult_op_n_threads]
86 Elapsed time in microseconds : 248 µs
87 ^^^^-----TEST 11-----^^^^
88 vvvv-----TEST 12-----vvvv
89 1 1 1 1
90 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
91 number of threads: 1
92 here the result of [t4(i,j) = t1(i,j) - t3(i,j,k,k)];
93 0 0 0 0
94

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95 ***Concluso test [test_subtract_mult_1_thread]
96 Elapsed time in microseconds : 122 µs
97 ^^^^-----TEST 12-----^^^^
98 vvvv-----TEST 13-----vvvv
99 1 1 1 1
100 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
101 number of threads: 4
102 here the result of [t4(i,j) = t1(i,j) - t3(i,j,k,k)];
103 0 0 0 0
104
105 ***Concluso test [test_subtract_mult_4_thread]
106 Elapsed time in microseconds : 251 µs
107 ^^^^-----TEST 13-----^^^^
108 vvvv-----TEST 14-----vvvv
109 number of threads: 1
110 here the result of [t2(i,j) = t1(i,k)*t1(k,j)];
111 2 2 2 2
112
113 ***Concluso test [test_invert_indexes_mult_1_thread]
114 Elapsed time in microseconds : 117 µs
115 ^^^^-----TEST 14-----^^^^
116 vvvv-----TEST 15-----vvvv
117 number of threads: 4
118 here the result of [t2(i,j) = t1(i,k)*t1(k,j)];
119 2 2 2 2
120
121 ***Concluso test [test_invert_indexes_mult_n_threads]
122 Elapsed time in microseconds : 405 µs
123 ^^^^-----TEST 15-----^^^^
124 vvvv-----TEST 16-----vvvv
125 number of threads: 1
126 here the result of [t1(i,j) = t3(i,j,k,k)+t4(i,k,k,j)];
127 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
    1 1 1 1 1 1 1
128
129 ***Concluso test [test_sum_2244_2442_smaller_1_thread]
130 Elapsed time in microseconds : 166 µs
131 ^^^^-----TEST 16-----^^^^
132 vvvv-----TEST 17-----vvvv
133 number of threads: 4
134 here the result of [t1(i,j) = t3(i,j,k,k)+t4(i,k,k,j)];
135 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
    1 1 1 1 1 1 1
136
137 ***Concluso test [test_sum_2244_2442_smaller_n_threads]
138 Elapsed time in microseconds : 368 µs
139 ^^^^-----TEST 17-----^^^^
140 vvvv-----TEST 18-----vvvv
141 number of threads: 1
142 here the result of [t2(i,k) = t3(i,j,j)*t4(k)];

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143 2 2 2 2
144
145 ***Concluso test [test_mult_all_ranked_1_thread]
146 Elapsed time in microseconds : 126 µs
147 ^^^^-----TEST 18-----^^^^
148 vvvv-----TEST 19-----vvvv
149 number of threads: 4
150 here the result of [t2(i,k) = t3(i,j,j)*t4(k)];
151 2 2 2 2
152
153 ***Concluso test [test_mult_all_ranked_n_threads]
154 Elapsed time in microseconds : 330 µs
155 ^^^^-----TEST 19-----^^^^
156 vvvv-----TEST 20-----vvvv
157 number of threads: 1
158 here the result of [t5=t1(i,j)];
159 1 1 1 1
160
161 ***Concluso test [test_simple_assignment_1_thread]
162 Elapsed time in microseconds : 89 µs
163 ^^^^-----TEST 20-----^^^^
164 vvvv-----TEST 21-----vvvv
165 number of threads: 4
166 here the result of [t5=t1(i,j)];
167 1 1 1 1
168
169 ***Concluso test [test_simple_assignment_n_threads]
170 Elapsed time in microseconds : 219 µs
171 ^^^^-----TEST 21-----^^^^
172 vvvv-----TEST 22-----vvvv
173 0 2
174 number of threads: 1
175 here the result of [t6=t3(i,j,k)*t4(j)];
176 2 3 6 7
177
178 ***Concluso test [test_simple_mult_222_2_1_thread]
179 Elapsed time in microseconds : 144 µs
180 ^^^^-----TEST 22-----^^^^
181 vvvv-----TEST 23-----vvvv
182 0 2
183 number of threads: 4
184 here the result of [t6=t3(i,j,k)*t4(j)];
185 2 2 2 2
186
187 ***Concluso test [test_simple_mult_222_2_n_threads]
188 Elapsed time in microseconds : 289 µs
189 ^^^^-----TEST 23-----^^^^
190 vvvv-----TEST 24-----vvvv
191 number of threads: 1
192

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193 ***Concluso test [test_mega_sum_1_threads]
194 Elapsed time in milliseconds : 500 ms : 500328 µs
195 ^^^^-----TEST 24-----^^^^
196 vvvv-----TEST 25-----vvvv
197 number of threads: 4
198
199 ***Concluso test [test_mega_sum_n_threads]
200 Elapsed time in milliseconds : 475 ms : 475351 µs
201 ^^^^-----TEST 25-----^^^^
202 vvvv-----TEST 26-----vvvv
203 number of threads: 1
204 here the result of [t6=t1(i,i)*t2(j,j)];
205 4 4
206
207 ***Concluso test [test_very_long_mult_1_thread]
208 Elapsed time in microseconds : 342 µs
209 ^^^^-----TEST 26-----^^^^
210 vvvv-----TEST 27-----vvvv
211 number of threads: 4
212 here the result of [t6=t1(i,i)*t2(j,j)];
213 4 4
214
215 ***Concluso test [test_very_long_mult_n_thread]
216 Elapsed time in microseconds : 666 µs
217 ^^^^-----TEST 27-----^^^^
218 vvvv-----TEST 28-----vvvv
219 number of threads: 1
220 here the result of [t6=t1(i,i)*t2(j,j)];
221 4 4
222
223 ***Concluso test [test_very_long_mult_1_thread_second_try]
224 Elapsed time in milliseconds : 1 ms : 1473 µs
225 ^^^^-----TEST 28-----^^^^
226 vvvv-----TEST 29-----vvvv
227 number of threads: 4
228 here the result of [t6=t1(i,i)*t2(j,j)];
229 4 4
230
231 ***Concluso test [test_very_long_mult_n_thread_second_try]
232 Elapsed time in milliseconds : 1 ms : 1749 µs
233 ^^^^-----TEST 29-----^^^^
234 vvvv-----TEST 30-----vvvv
235 number of threads: 1
236 here the result of [t6=t1(i,i)*t2(j,j)];
237 8 8
238
239 ***Concluso test [test_very_long_mult_1_thread_third_try]
240 Elapsed time in milliseconds : 3 ms : 3112 µs
241 ^^^^-----TEST 30-----^^^^
242 vvvv-----TEST 31-----vvvv

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243 number of threads: 4
244 here the result of [t6=t1(i,i)*t2(j,j)];
245 8 8
246
247 ***Concluso test [test_very_long_mult_n_thread_third_try]
248 Elapsed time in milliseconds : 4 ms : 4037 µs
249 ^^^^-----TEST 31-----^^^^
250 vvvv-----TEST 32-----vvvv
251 number of threads: 1
252
253 ***Concluso test [test_mega_sum_1_threads_second_try]
254 Elapsed time in milliseconds : 452 ms : 452071 µs
255 ^^^^-----TEST 32-----^^^^
256 vvvv-----TEST 33-----vvvv
257 number of threads: 4
258
259 ***Concluso test [test_mega_sum_n_threads_second_try]
260 Elapsed time in milliseconds : 447 ms : 447098 µs
261 ^^^^-----TEST 33-----^^^^
262 vvvv-----TEST 34-----vvvv
263
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