























































False Sharing		
And his solution:		
int result[P];	<pre>// still multiple elements per // cache line</pre>	
for (int p = 0; p < P; ++p) pool.run([&,p] { int count = 0; int chunkSize = DIM/P + 1; int myStart = p * chunkSize;	// use local var for counting	
int myEnd = min(myStart+chu for(int i = myStart; i < myEnd; for(int j = 0; j < DIM; ++j) if(matrix[i*DIM + j] % 2 !=	ınkSize, DIM); ++i) 0)	
++count; result[p] = count;	// update local var // access shared cache line // only once	
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Guidance	
For code:	
 Fit working set in cache. Avoid iteration over heterogeneous E.g., sort sequences by type. 	s sequences with virtual calls
 Make "fast paths" branch-free seque Use up-front conditionals to screen 	e nces. out "slow" cases.
 Inline cautiously: The good: Reduces branching. Facilitates code-reducing optimiz. The bad: Code duplication reduces effective 	ations. e cache size.
 Take advantage of PGO and WPO. Can help automate much of above. 	
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