







PCMPGTQ autogeneration example			
<pre>long long dst[NUM], src1[NUM], src2[NUM], src3[NUM], src4[NUM]; for (i = 0; i &lt; NUM; i++) {     if (src1[i] &lt;= src2[i]) {         dst[i] = src3[i];         } else {         dst[i] = src4[i];     } }</pre>			Speedups: -Example below: 2.1x -MIN/MAX idioms: 2.3x -ABS idiom: 2.7x
<pre>}     // ectool     xor     xcr     ss2;2:     mov     sub     sbb     ji     s52;5:     mov     mov     s2;5:     mov     mov     s2;5:     mov     mov     s2;5:     mov     mov     s2;5:     mov     mov     mov     s2;5:     mov     mov</pre>	ex, ex ex, ex ex, ex ex, bwGRD PTR [src1+eax*8] ed, bwGRD PTR [src1+eax*8] ed, bwGRD PTR [src2+e4x*8] edx, bwGRD PTR [src3+eax*8] ecx, edx 82251 edx, bwGRD PTR [src3+eax*8] ecx, bwGRD PTR [src3+eax*8] edx, bwGRD PTR [src3+eax*8] edx, bwGRD PTR [src4+eax*8] edx, bw	xor ea \$B2\$2: movdqa pcmpgt movdqa pblendvl movdqa add cmp	n is possible with /QxSSE4.2 /Qunroll0 x, eax xmm0, XMMWORD PTR [_src1+eax*8] q xmm0, XMMWORD PTR [_src2+eax*8] xmm1, XMMWORD PTR [_src3+eax*8] xmm1, XMMWORD PTR [_src4+eax*8], xmm0 XMMWORD PTR [_dst+eax*8], xmm1 eax, 2 eax, 16384 iB2\$2
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