

```

.B6.4:
movdqu xmm1, XMMWORD PTR [ecx]
movdqu xmm7, XMMWORD PTR [16+ecx+ebx]
movdqu xmm5, XMMWORD PTR [32+ecx]
movdqu xmm4, XMMWORD PTR [48+ecx]
movdqa xmm2, xmm1
pslldq xmm2, 5
psrldq xmm1, 123
por xmm2, xmm1
movdqu xmm1, XMMWORD PTR [ecx+ebx]
pxor xmm2, xmm1
movdqa xmm1, xmm7
pslldq xmm1, 5
pxor xmm6, xmm2
psrldq xmm7, 123
por xmm1, xmm7
movdqu xmm7, XMMWORD PTR [16+ecx]
pxor xmm1, xmm7
movdqa xmm7, xmm5
pslldq xmm7, 5
pxor xmm3, xmm1
psrldq xmm5, 123
por xmm7, xmm5
movdqu xmm5, XMMWORD PTR [32+ecx+ebx]
movdqu xmm1, XMMWORD PTR [64+ecx+ebx]
pxor xmm7, xmm5
movdqa xmm5, xmm4
pslldq xmm5, 5
pxor xmm0, xmm7
psrldq xmm4, 123
por xmm5, xmm4
movdqu xmm4, XMMWORD PTR [48+ecx+ebx]
movdqu xmm7, XMMWORD PTR [80+ecx]
movdqa xmm2, XMMWORD PTR [_2i10floatpacket.88]
pxor xmm5, xmm4
pmulld xmm6, xmm2
pxor xmm6, xmm5
movdqa xmm5, xmm1
pslldq xmm5, 5
psrldq xmm1, 123
por xmm5, xmm1
movdqa xmm1, xmm7
pslldq xmm1, 5
psrldq xmm7, 123
movdqu xmm4, XMMWORD PTR [64+ecx]
por xmm1, xmm7
pxor xmm5, xmm4
movdqu xmm7, XMMWORD PTR [80+ecx+ebx]
pmulld xmm3, xmm2
pxor xmm1, xmm7
pmulld xmm3, xmm5
pxor xmm0, xmm1
add ecx, 96
pmulld xmm6, xmm2
dec edx
pmulld xmm3, xmm2
pmulld xmm0, xmm2
jne .B6.4

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```

.B6.10:
mov edx, DWORD PTR [esp]
mov ebx, DWORD PTR [ecx]
rol ebx, 5
xor ebx, DWORD PTR [ecx+edx]
xor esi, ebx
mov ebx, DWORD PTR [4+ecx+edx]
rol ebx, 5
xor ebx, DWORD PTR [4+ecx]
xor eax, ebx
mov ebx, DWORD PTR [8+ecx]
rol ebx, 5
xor ebx, DWORD PTR [8+ecx+edx]
ecx, 12
xor edi, ebx
imul esi, esi, 709607
imul eax, eax, 709607
imul edi, edi, 709607
dec DWORD PTR [4+esp]
jne .B6.10

/FNV1A_penumbra main loop 192- keys, 32bit/

```

/FNV1A_penumbra main loop 192[+] keys, 32bit/

FAST!

Simplificator / Dumbdownificator

On Intel T7500 2,2GHz 16KB (L1
cached) block hashed at **11,262MB/s**
(11,262*1024*1024)/2,200,000,000=**5.3B/c**

www.sanmayce.com/Fastest_Hash/index.html#PENUMBRA

penumbra ~ technical: an area of slight darkness /LDOCE definition/

HERITAGE definition:

1. A partial shadow, as in an eclipse, between regions of complete shadow and complete illumination.
2. The grayish outer part of a sunspot.
3. An area in which something exists to a lesser or uncertain degree.
4. An outlying surrounding region; a periphery.

Yoshimitsu TRIADiiXMMx2

