
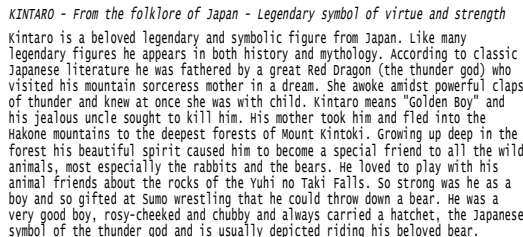


Fast&Strong for 3D++MB textual files 100% FREE LZSS 64bit decompressor: <http://www.sanmayce.com/Hayabusa/index.html>
 Old Home of Nakamichi: www.sanmayce.com/Nakamichi/index.html
 Also: <http://www.codeproject.com/Articles/878593/Slowest-LZSS-Compressor-in-C>
 Below, **Kintaro** (hero boy of Japanese folklore, who befriended animals and had supernatural strength) holding **Masakari**:

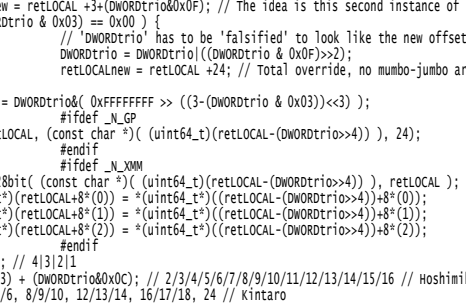


```
// SlowCopy128bit( (const char *)ret,
                *(uint64_t*)ret,
                *(uint64_t*)ret)

retLOCAL+= ((DWORDtrio>4)&0xFF);
srcLOCAL+= ((DWORDtrio>4)&0xFF);
    else {
        retLOCALnew = ret;
        if ( (DWORDtrio < 4) )
        {
            DWORDtrio = DWORDtrio - 4;
            memcpy(retLOCAL, retLOCALnew, 4);
        }
        SlowCopy128bit(
            *(uint64_t*)ret,
            *(uint64_t*)ret,
            *(uint64_t*)ret)

        srcLOCAL+= 1+(DWORDtrio&0x03); // 4/4
        //retLOCAL+= 2+(DWORDtrio&0x03);
        retLOCAL = retLOCALnew; // 4/5/6, 8/8
    }
}

return (uint64_t)(retLOCAL - ret);
```



```
D:\Nakamichi_Kintaro>nakamichi_kintaro_GCC_5.10.exe dickens.nakamichi /report
Nakamichi 'Kintaro', written by Kaze, based on Nobuo Ito's LZSS source, baeal
Decompressing 3722075 bytes ...
RAM-to-RAM performance: 320 MB/s.
Compression Ratio (bigger-the-better): 2.74:1
```

- 1] TAKENAKA CARPENTRY TOOLS MUSEUM
4-18-25, Nakayamate-dori, Chuo-ku,
Kobe 650-0004, Japan
- 2] The Asian Myths & Legends Art page of Howard David Johnson
- 3] Japanese Architecture and Art Net Users System

```
// D:\Nakamichi_Kintaro:gcc --version
// gcc (x86_64-posix-seh-rev0, Built by MinGW-w64 project) 5.1.0
// Copyright (C) 2015 Free Software Foundation, Inc.
// This is free software; see the source for copying conditions. There is NO
// warranty; not even for MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.
//
// D:\Nakamichi_Kintaro:gcc -O3 -fomit-frame-pointer Nakamichi_Kintaro.c -o Nakamichi_Kintaro.exe -D_N_XMM -D_N_prefetch_4096 -D_N_Branchfull
/*
```

```
Decompress: .seh_proc Decompress

pushq %rbp
.seh_pushreg %rbp
pushq %rdi
.seh_pushreg %rdi
pushq %rsi
.seh_pushreg %rsi
pushq %rbx
.seh_pushreg %rbx
.seh_endprologue
addq %rdx, %r8
movq %rcx, %r11
cmpq %r8, %rdx
.L26: jnb .L23
movq %rcx, %rax
movl $-1, %esi
movl $8, %ebx
movl $16, %r10d
jmp .L22

.L26: movq 1(%rdx), %rcx
shrl $4, %r9d
andl $15, %r9d
movq %rcx, (%rax)
movq 9(%rdx), %rcx
movq %rcx, 8(%rax)
movl %r9d, %ecx
addl $1, %r9d
addq %r9, %rdx
addq %rcx, %rax
cmpq %r8, %rdx
jnb .L25

.L22: movl (%rdx), %r9d
movl %r9d, %ecx
andl $15, %ecx
je .L26
testb $3, %r9b
je .L20
movl %ecx, %ecx
leaq 3(%rax,%rcx), %rdi

.L21: movl %r9d, %ecx
movl %esi, %ebp
notl %ecx
andl $3, %ecx
sall $3, %ecx
shrl %cl, %ebp
andl %ebp, %r9d
movq %rax, %rbp
movl %r9d, %ecx
andl $3, %r9d
leaq 1(%rdx,%r9), %rdx
shrl $4, %ecx
subq %rcx, %rbp
movq 0(%rbp), %rbp
movq %rbp, (%rax)
movq %rbx, %rbp
subq %rcx, %rbp
movq (%rax,%rbp), %rbp
movq %rbp, 8(%rax)
movq %r10, %rbp
subq %rcx, %rbp
cmpq %r8, %rdx
movq (%rax,%rbp), %rcx
movq %rcx, 16(%rax)
movq %rdi, %rax
jb .L22

.L25: subq %r11, %rax

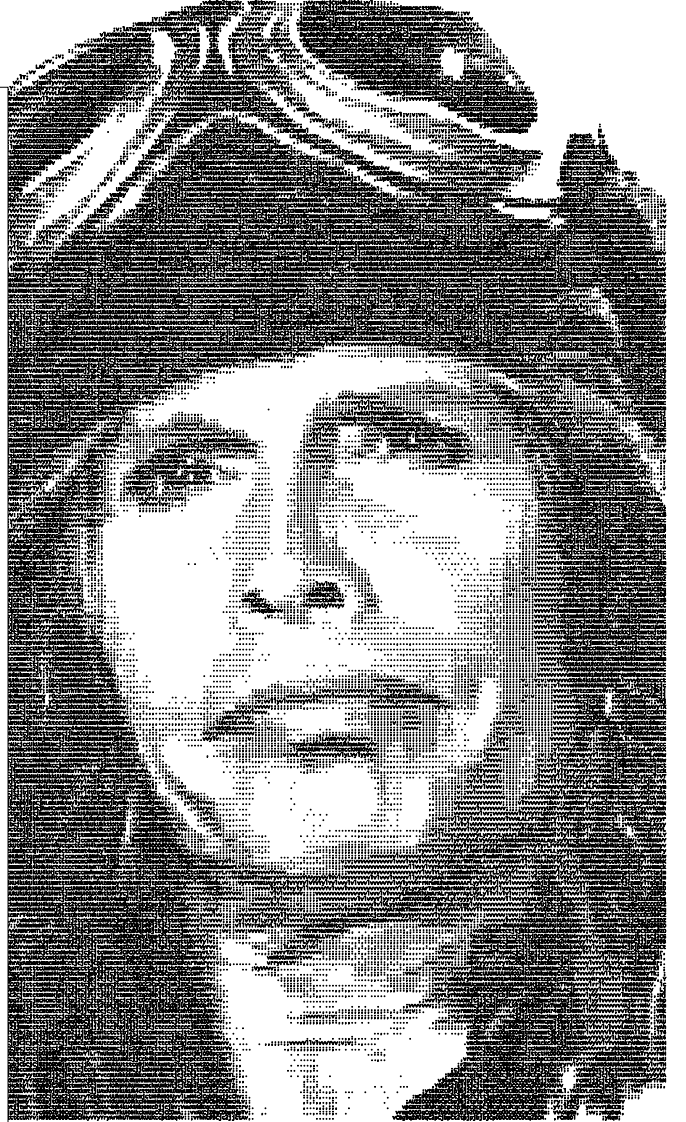
.L17: popq %rbx
popq %rsi
popq %rdi
popq %rbp
ret
.p2align 4,,10

.L20: leaq 24(%rax), %rdi
shrl $2, %ecx
orl %ecx, %r9d
jmp .L21

.L23: xorl %eax, %eax
jmp .L17

.seh_endproc
*/
```

// A MITI taken free Andrew Blackwelder - Feeling Good - American 1967 2012 - San Diego Auditions - 2012-apt_AGC2-american1967_300.wav



// Drawn on, drawn on, drawn on until your drawn come true... /herosmith - drawn on/

```
// Goldenboy's main loop: b2-le6=154 bytes
// Goldenboy's main loop: 47 64bit instructions
/*
; mark_description "Intel(R) C++ Intel(R) 64 Compiler XE
; for applications running on Intel(R) 64, Version 15.0.0.108
; build 201407";
; mark_description "-O3 -QXSS2 -D_N_XMM -D_N_prefetch_4096
-D_N_Branchfull -FACS";

ALIGN 16
PUBLIC Decompress
Decompress PROC
; parameter 1: rcx
; parameter 2: rdx
; parameter 3: r8
.B7.1:
00000 48 83 ec 28 sub rsp, 40
00004 49 89 d1 mov r9, rdx
00007 4d 03 c1 add r8, r9
0000a 49 89 ca mov r10, rcx
0000d 4c 89 d0 mov rax, r10
00010 4d 3b c8 cmp r9, r8
00013 0f 83 a4 00 00 jae .B7.10 ; Prob 10%
.B7.2:
00019 48 89 6c 24 20 mov QWORD PTR [32+rsp], rbp
.B7.3:
0001e 41 8b 11 mov edx, QWORD PTR [r9]
00021 41 89 d3 mov r11d, edx
00024 41 83 e3 0f and r11d, 15
00028 75 26 jne .B7.5 ; Prob 50%
.B7.4:
0002a c1 ea 04 shr edx, 4
0002d 41 89 d3 mov r11d, edx
00030 83 e2 0f and edx, 15
00033 ff c2 inc edx
00035 49 83 e3 0f and r11, 15
00039 49 8b 49 01 mov rcx, QWORD PTR [1+r9]
0003d 49 8b 69 09 mov rbp, QWORD PTR [9+r9]
00041 48 89 08 mov QWORD PTR [rax], rcx
00044 4c 03 ca add r9, rdx
00047 48 89 68 08 mov QWORD PTR [8+rax], rbp
0004b 49 03 c3 add rax, r11
0004e eb 5f jmp .B7.8
.B7.5:
00050 89 d1 mov ecx, edx
00052 48 83 e1 0f and rcx, 15
00056 48 8d 6c 08 03 lea rbp, QWORD PTR [3+rax+rcx]
0005b 89 d1 mov ecx, edx
0005d 83 e1 03 and ecx, 3
00060 75 0d jne .B7.7 ; Prob 50%
.B7.6:
00062 41 c1 eb 02 shr r11d, 2
00066 48 8d 68 18 lea rbp, QWORD PTR [24+rax]
0006a 41 0b d3 or edx, r11d
0006d 89 d1 mov ecx, edx
.B7.7:
0006f 83 f1 03 xor ecx, 3
00072 41 bb ff ff ff mov r11d, -1
ff shl ecx, 3
00078 c1 e1 03 shr r11d, cl
0007b 41 d3 eb shr r11d, cl
0007e 41 23 d3 and edx, r11d
00081 41 89 d3 mov r11d, edx
00084 83 e2 03 and edx, 3
00087 41 c1 eb 04 shr r11d, 4
0008b ff c2 inc edx
0008d 49 f7 db neg r11
00090 4c 03 d8 add r11, rax
00093 4c 03 ca add r9, rdx
00096 49 8b 0b mov rcx, QWORD PTR [r11]
00099 48 89 08 mov QWORD PTR [rax], rcx
0009c 49 8b 4b 08 mov rcx, QWORD PTR [8+r11]
000a0 48 89 4b 08 mov QWORD PTR [8+rax], rcx
000a4 4d 8b 5b 10 mov r11, QWORD PTR [16+r11]
000a8 4c 89 58 10 mov QWORD PTR [16+rax], r11
000ac 48 89 e8 mov rax, rbp
.B7.8:
000af 4d 3b c8 cmp r9, r8
000b2 0f 82 66 ff ff jb .B7.3 ; Prob 82%
.B7.9:
000b8 48 8b 6c 24 20 mov rbp, QWORD PTR [32+rsp]
;
.B7.10:
000bd 49 2b c2 sub rax, r10
000c0 48 83 c4 28 add rsp, 40
000c4 c3 ret
000c5 0f 1f 40 00 0f 1f 80 00 00 00
00 ALIGN 16
.B7.11:
Decompress ENDP
```