

CrystaX NDK - Bug #1363

[clang-3.8][x86_64] Do not know how to soften this operator's operand!

04/15/2016 01:34 PM - Dmitry Moskalchuk

Status:	Closed	Start date:	04/15/2016
Priority:	High	Due date:	
Assignee:	Dmitry Moskalchuk	% Done:	100%
Category:	toolchain	Estimated time:	0.00 hour
Target version:	11.0.0	Android version:	
CPU Architecture:	x86_64	CrystaX Version:	11.0.0
Host OS:			
Toolchain:	clang-3.8		

Description

SoftenFloatOperand Op #1: t18: f128 = select t29, t16, ConstantFP:f128

Do not know how to soften this operator's operand!

UNREACHABLE executed at

/home/crystax/work/ndk/ndk/toolchain/llvm-3.8/llvm/lib/CodeGen/SelectionDAG/LegalizeFloatTypes.cpp:735!

```
0 clang      0x0000000002a35b45 llvm::sys::PrintStackTrace(llvm::raw_ostream&) + 37
1 clang      0x0000000002a33a36 llvm::sys::RunSignalHandlers() + 54
2 clang      0x0000000002a33bad
3 libpthread.so.0 0x00007f0e74aff340
4 libc.so.6   0x00007f0e73e2bcc9 gsignal + 57
5 libc.so.6   0x00007f0e73e2f0d8 abort + 328
6 clang      0x0000000002a1a83c
7 clang      0x0000000002074088
8 clang      0x0000000002021c71
9 clang      0x000000000202215b llvm::SelectionDAG::LegalizeTypes() + 555
10 clang     0x0000000001ff460a llvm::SelectionDAGISel::CodeGenAndEmitDAG() + 506
11 clang     0x0000000001ff848e llvm::SelectionDAGISel::SelectAllBasicBlocks(llvm::Function const&) + 1198
12 clang     0x0000000001ff9f66 llvm::SelectionDAGISel::runOnMachineFunction(llvm::MachineFunction&) + 1510
13 clang     0x0000000001d093b4
14 clang     0x00000000028c3b6b llvm::FPPassManager::runOnFunction(llvm::Function&) + 491
15 clang     0x00000000028c3efb llvm::FPPassManager::runOnModule(llvm::Module&) + 43
16 clang     0x00000000028c41ff llvm::legacy::PassManagerImpl::run(llvm::Module&) + 735
17 clang     0x000000000bdd63c clang::EmitBackendOutput(clang::DiagnosticsEngine&, clang::CodeGenOptions const&,
clang::TargetOptions const&, clang::LangOptions const&, llvm::StringRef, llvm::Module*, clang::BackendAction,
llvm::raw_pwrite_stream*) + 3564
18 clang     0x0000000000bbbe63
19 clang     0x0000000000de7afb clang::ParseAST(clang::Sema&, bool, bool) + 571
20 clang     0x0000000000bbbf3b clang::CodeGenAction::ExecuteAction() + 59
21 clang     0x00000000009df396 clang::FrontendAction::Execute() + 502
22 clang     0x00000000009b965e clang::CompilerInstance::ExecuteAction(clang::FrontendAction&) + 318
23 clang     0x000000000099e4f2 clang::ExecuteCompilerInvocation(clang::CompilerInstance*) + 2050
24 clang     0x0000000000996b10 cc1_main(llvm::ArrayRef, char const*, void*) + 1984
25 clang     0x0000000000964b6b main + 6155
26 libc.so.6   0x00007f0e73e16ec5 __libc_start_main + 245
27 clang     0x00000000009951e9
```

Stack dump:

1. Program arguments: /home/crystax/work/ndk/ndk/platform/ndk/toolchains/llvm-3.8/prebuilt/linux-x86_64/bin/clang -cc1 -triple x86_64-none-linux-android -emit-obj -disable-free -main-file-name test.cpp -mrelocation-model pic -pic-level 2 -mthread-model posix -fmath-errno -masm-verbose -mconstructor-aliases -munwind-tables -fuse-init-array -target-cpu x86-64 -target-feature +sse4.2 -target-feature +popcnt -backend-option -x86-force-gv-stack-cookie -target-linker-version 2.24 -momit-leaf-frame-pointer -dwarf-column-info -debugger-tuning=gdb -coverage-file /dev/null -resource-dir /home/crystax/work/ndk/ndk/platform/ndk/toolchains/llvm-3.8/prebuilt/linux-x86_64/bin/../lib/clang/3.8 -l /home/crystax/work/ndk/ndk/platform/ndk/sources/cxx-stl/llvm-libc++/3.8/libcxx/include -isysroot /home/crystax/work/ndk/ndk/platform/ndk/platforms/android-21/arch-x86_64 -internal-isystem /home/crystax/work/ndk/ndk/platform/ndk/platforms/android-21/arch-x86_64/usr/local/include -internal-isystem /home/crystax/work/ndk/ndk/platform/ndk/toolchains/llvm-3.8/prebuilt/linux-x86_64/bin/../lib/clang/3.8/include

```
-internal-externc-isystem /home/crystax/work/ndk/ndk/platform/ndk/platforms/android-21/arch-x86_64/include
-internal-externc-isystem /home/crystax/work/ndk/ndk/platform/ndk/platforms/android-21/arch-x86_64/usr/include -O3
-fdeprecated-macro -fdebug-compilation-dir /home/crystax/tmp/clang-crash -ferror-limit 19 -fmessage-length 191 -femulated-tls
-mstackrealign -fblocks -fobjc-runtime=gnustep-1.8 -fobjc-dispatch-method=mixed -fcxx-exceptions -fexceptions
-fdiagnostics-show-option -fcolor-diagnostics -vectorize-loops -vectorize-slp -fno-cxx-missing-return-semantics -o /dev/null -x
c++ test.cpp
2. parser at end of file
3. Code generation
4. Running pass 'Function Pass Manager' on module 'test.cpp'.
5. Running pass 'X86 DAG->DAG Instruction Selection' on function '@_Z3foog' clang: error: unable to execute command: Aborted
(core dumped) clang: error: clang frontend command failed due to signal (use -v to see invocation) clang version 3.8 Target:
x86_64-none-linux-android Thread model: posix InstalledDir:
/home/crystax/work/ndk/ndk/platform/ndk/toolchains/llvm-3.8/prebuilt/linux-x86_64/bin clang: note: diagnostic msg: PLEASE
submit a bug report to https://tracker.crystax.net/projects/ndk and include the crash backtrace, preprocessed source, and
associated run script. clang: note: diagnostic msg: *****
```

PLEASE ATTACH THE FOLLOWING FILES TO THE BUG REPORT:

Preprocessed source(s) and associated run script(s) are located at:

clang: note: diagnostic msg: /tmp/test-9a7b13.cpp

clang: note: diagnostic msg: /tmp/test-9a7b13.sh

clang: note: diagnostic msg:

Related issues:

Blocks CrystaX NDK - Task #1318: Add just released clang-3.8

Closed

03/08/2016

History

#1 - 04/15/2016 01:37 PM - Dmitry Moskalchuk

- File clang-crash.zip added

#2 - 04/15/2016 01:38 PM - Dmitry Moskalchuk

- Blocks Task #1318: Add just released clang-3.8 added

#3 - 04/15/2016 01:38 PM - Dmitry Moskalchuk

- Status changed from Open to In Progress

#4 - 04/22/2016 11:06 PM - Dmitry Moskalchuk

- File deleted (clang-crash.zip)

#5 - 04/22/2016 11:07 PM - Dmitry Moskalchuk

- File clang-crash.zip added

#6 - 04/23/2016 06:21 PM - Dmitry Moskalchuk

- Status changed from In Progress to Closed

- % Done changed from 0 to 100

[Fixed](#)

#7 - 04/23/2016 06:25 PM - Dmitry Moskalchuk

Couple of helpful links, just for the record:

https://llvm.org/bugs/show_bug.cgi?id=23897

https://llvm.org/bugs/show_bug.cgi?id=24109

Files

clang-crash.zip

1019 Bytes

04/22/2016

Dmitry Moskalchuk