

```
roelof@roelof-SATELLITE-C855-226:~/Downloads/tmp6$ git clone https://github.com/vshcherbina/igel.git ./igel
Cloning into './igel'...
remote: Enumerating objects: 82, done.
remote: Counting objects: 100% (82/82), done.
remote: Compressing objects: 100% (35/35), done.
remote: Total 1443 (delta 51), reused 68 (delta 46), pack-reused 1361
Receiving objects: 100% (1443/1443), 1.56 MiB | 7.48 MiB/s, done.
Resolving deltas: 100% (1074/1074), done.
roelof@roelof-SATELLITE-C855-226:~/Downloads/tmp6$ cd igel/
roelof@roelof-SATELLITE-C855-226:~/Downloads/tmp6/igel$ git submodule update --init --recursive
Submodule 'external/googletest' (https://github.com/google/googletest.git) registered for path 'external/googletest'
Cloning into '/home/roelof/Downloads/tmp6/igel/external/googletest'...
Submodule path 'external/googletest': checked out '3f5a8c6ee6ceea308d07def0f8430045f2edbc8e'
roelof@roelof-SATELLITE-C855-226:~/Downloads/tmp6/igel$ wget https://github.com/vshcherbina/igel/releases/download/3.0.0/ign-1-139b702b-0./network_file
--2021-04-10 20:00:28-- https://github.com/vshcherbina/igel/releases/download/3.0.0/ign-1-139b702b
Resolving github.com (github.com)... 140.82.121.3
Connecting to github.com (github.com)|140.82.121.3|:443... connected.
HTTP request sent, awaiting response... 302 Found
Location: https://github-releases.githubusercontent.com/122863704/1d9f4480-9588-11eb-91ab-374aee0a76c2?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIAIWNJYAX4CSVEH53A%2F20210410%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20210410T180028Z&X-Amz-Expires=300&X-Amz-Signature=367420058b3ecf5a3e8a59df09a870c17cac1a435f46c55836ea8a51b658352f&X-Amz-SignedHeaders=host&actor_id=0&key_id=0&repo_id=122863704&response-content-disposition=attachment%3B%20filename%3Dign-1-139b702b&response-content-type=application%2Foctet-stream [following]
--2021-04-10 20:00:28-- https://github-releases.githubusercontent.com/122863704/1d9f4480-9588-11eb-91ab-374aee0a76c2?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIAIWNJYAX4CSVEH53A%2F20210410%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20210410T180028Z&X-Amz-Expires=300&X-Amz-Signature=367420058b3ecf5a3e8a59df09a870c17cac1a435f46c55836ea8a51b658352f&X-Amz-SignedHeaders=host&actor_id=0&key_id=0&repo_id=122863704&response-content-disposition=attachment%3B%20filename%3Dign-1-139b702b&response-content-type=application%2Foctet-stream
Resolving github-releases.githubusercontent.com (github-releases.githubusercontent.com)... 185.199.111.154, 185.199.109.154, 185.199.110.154, ...
Connecting to github-releases.githubusercontent.com (github-releases.githubusercontent.com)|185.199.111.154|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 21022697 (20M) [application/octet-stream]
Saving to: './network_file'

./network_file          100%
[=====>] 20,05M  10,3MB/s  in
1,9s

2021-04-10 20:00:30 (10,3 MB/s) - './network_file' saved [21022697/21022697]
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roelof@roelof-SATELLITE-C855-226:~/Downloads/tmp6/igel$ cmake -DEVALFILE=network_file -DEVAL_NNUE=1 -DUSE_PEXT=1 -DUSE_AVX2=1 -D_BTYPE=1 -DSYZGY_SUPPORT=TRUE .
-- The C compiler identification is GNU 10.2.0
-- The CXX compiler identification is GNU 10.2.0
-- Check for working C compiler: /usr/bin/cc
-- Check for working C compiler: /usr/bin/cc -- works
-- Detecting C compiler ABI info
-- Detecting C compiler ABI info - done
-- Detecting C compile features
-- Detecting C compile features - done
-- Check for working CXX compiler: /usr/bin/c++
-- Check for working CXX compiler: /usr/bin/c++ -- works
-- Detecting CXX compiler ABI info
-- Detecting CXX compiler ABI info - done
-- Detecting CXX compile features
-- Detecting CXX compile features - done
-- Configuring done
-- Generating done
-- Build files have been written to: /home/roelof/Downloads/tmp6/igel
roelof@roelof-SATELLITE-C855-226:~/Downloads/tmp6/igel$ make -j
Scanning dependencies of target igel
[ 5%] Building CXX object CMakeFiles/igel.dir/src/bitboards.cpp.o
[ 10%] Building CXX object CMakeFiles/igel.dir/src/history.cpp.o
[ 20%] Building CXX object CMakeFiles/igel.dir/src/eval_params.cpp.o
[ 15%] Building CXX object CMakeFiles/igel.dir/src/main.cpp.o
[ 25%] Building CXX object CMakeFiles/igel.dir/src/moveeval.cpp.o
[ 30%] Building CXX object CMakeFiles/igel.dir/src/evaluate.cpp.o
[ 35%] Building CXX object CMakeFiles/igel.dir/src/moves.cpp.o
[ 40%] Building CXX object CMakeFiles/igel.dir/src/misc.cpp.o
[ 45%] Building CXX object CMakeFiles/igel.dir/src/notation.cpp.o
[ 50%] Building CXX object CMakeFiles/igel.dir/src/position.cpp.o
[ 55%] Building CXX object CMakeFiles/igel.dir/src/search.cpp.o
[ 60%] Building CXX object CMakeFiles/igel.dir/src/time.cpp.o
[ 65%] Building CXX object CMakeFiles/igel.dir/src/tt.cpp.o
[ 70%] Building CXX object CMakeFiles/igel.dir/src/uci.cpp.o
[ 75%] Building CXX object CMakeFiles/igel.dir/src/utils.cpp.o
[ 80%] Building C object CMakeFiles/igel.dir/src/fathom/tbcore.c.o
[ 90%] Building CXX object CMakeFiles/igel.dir/src/nnue/evaluate_nnue.cpp.o
[ 85%] Building C object CMakeFiles/igel.dir/src/fathom/tbprobe.c.o
[ 95%] Building CXX object CMakeFiles/igel.dir/src/nnue/features/half_kp.cpp.o
In file included from /usr/lib/gcc/x86_64-linux-gnu/10/include/immintrin.h:53,
                 from /home/roelof/Downloads/tmp6/igel/src/nnue/./nnue/architectures/./features/./nnue_common.h:25,
                 from /home/roelof/Downloads/tmp6/igel/src/nnue/./nnue/architectures/./features/features_common.h:25,
                 from /home/roelof/Downloads/tmp6/igel/src/nnue/./nnue/architectures/./features/feature_set.h:24,
                 from /home/roelof/Downloads/tmp6/igel/src/nnue/./nnue/architectures/halfkp_256x2-32-32.h:24,
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    from /home/roelof/Downloads/tmp6/igel/src/nnue/./nnue/nnue_architecture.h:25,
    from /home/roelof/Downloads/tmp6/igel/src/nnue/./nnue/nnue_accumulator.h:24,
    from /home/roelof/Downloads/tmp6/igel/src/nnue/./position.h:26,
    from /home/roelof/Downloads/tmp6/igel/src/nnue/evaluate_nnue.cpp:26:
/home/roelof/Downloads/tmp6/igel/src/nnue/nnue_feature_transformer.h: In member function
'Eval::NNUE::FeatureTransformer::RefreshAccumulator(Position const&) const':
/usr/lib/gcc/x86_64-linux-gnu/10/include/avx2intrin.h:112:1: error: inlining failed in call to 'always_inline'
'_mm256_add_epi16(long long __vector(4), long long __vector(4))': target specific
option mismatch
112 | mm256_add_epi16 (__m256i __A, __m256i __B)
    | ^~~~~~
In file included from /home/roelof/Downloads/tmp6/igel/src/nnue/evaluate_nnue.h:24,
    from /home/roelof/Downloads/tmp6/igel/src/nnue/evaluate_nnue.cpp:30:
/home/roelof/Downloads/tmp6/igel/src/nnue/nnue_feature_transformer.h:204:32: note: called from here
204 |     _mm256_storeA_si256(&accumulation[j], _mm256_add_epi16(_mm256_loadA_si256(&accumulation[j]), column[j]));
In file included from /usr/lib/gcc/x86_64-linux-gnu/10/include/immintrin.h:53,
    from /home/roelof/Downloads/tmp6/igel/src/nnue/./nnue/architectures/./features/./nnue_common.h:25,
    from /home/roelof/Downloads/tmp6/igel/src/nnue/./nnue/architectures/./features/features_common.h:25,
    from /home/roelof/Downloads/tmp6/igel/src/nnue/./nnue/architectures/./features/feature_set.h:24,
    from /home/roelof/Downloads/tmp6/igel/src/nnue/./nnue/architectures/halfkp_256x2-32-32.h:24,
    from /home/roelof/Downloads/tmp6/igel/src/nnue/./nnue/nnue_architecture.h:25,
    from /home/roelof/Downloads/tmp6/igel/src/nnue/./nnue/nnue_accumulator.h:24,
    from /home/roelof/Downloads/tmp6/igel/src/nnue/./position.h:26,
    from /home/roelof/Downloads/tmp6/igel/src/nnue/evaluate_nnue.cpp:26:
/usr/lib/gcc/x86_64-linux-gnu/10/include/avx2intrin.h:112:1: error: inlining failed in call to 'always_inline'
'_mm256_add_epi16(long long __vector(4), long long __vector(4))': target specific
option mismatch
112 | mm256_add_epi16 (__m256i __A, __m256i __B)
    | ^~~~~~
In file included from /home/roelof/Downloads/tmp6/igel/src/nnue/evaluate_nnue.h:24,
    from /home/roelof/Downloads/tmp6/igel/src/nnue/evaluate_nnue.cpp:30:
/home/roelof/Downloads/tmp6/igel/src/nnue/nnue_feature_transformer.h:204:32: note: called from here
204 |     _mm256_storeA_si256(&accumulation[j], _mm256_add_epi16(_mm256_loadA_si256(&accumulation[j]), column[j]));
In file included from /usr/lib/gcc/x86_64-linux-gnu/10/include/immintrin.h:53,
    from /home/roelof/Downloads/tmp6/igel/src/nnue/./nnue/architectures/./features/./nnue_common.h:25,
    from /home/roelof/Downloads/tmp6/igel/src/nnue/./nnue/architectures/./features/features_common.h:25,
    from /home/roelof/Downloads/tmp6/igel/src/nnue/./nnue/architectures/./features/feature_set.h:24,
    from /home/roelof/Downloads/tmp6/igel/src/nnue/./nnue/architectures/halfkp_256x2-32-32.h:24,
    from /home/roelof/Downloads/tmp6/igel/src/nnue/./nnue/nnue_architecture.h:25,
    from /home/roelof/Downloads/tmp6/igel/src/nnue/./nnue/nnue_accumulator.h:24,
    from /home/roelof/Downloads/tmp6/igel/src/nnue/./position.h:26,
    from /home/roelof/Downloads/tmp6/igel/src/nnue/evaluate_nnue.cpp:26:
/usr/lib/gcc/x86_64-linux-gnu/10/include/avx2intrin.h:112:1: error: inlining failed in call to 'always_inline'
'_mm256_add_epi16(long long __vector(4), long long __vector(4))': target specific
option mismatch
112 | mm256_add_epi16 (__m256i __A, __m256i __B)
    | ^~~~~~
In file included from /home/roelof/Downloads/tmp6/igel/src/nnue/evaluate_nnue.h:24,
    from /home/roelof/Downloads/tmp6/igel/src/nnue/evaluate_nnue.cpp:30:
/home/roelof/Downloads/tmp6/igel/src/nnue/nnue_feature_transformer.h:204:32: note: called from here
204 |     _mm256_storeA_si256(&accumulation[j], _mm256_add_epi16(_mm256_loadA_si256(&accumulation[j]), column[j]));
make[2]: *** [CMakeFiles/igel.dir/build.make:284: CMakeFiles/igel.dir/src/nnue/evaluate_nnue.cpp.o] Error 1
make[2]: *** Waiting for unfinished jobs....
make[1]: *** [CMakeFiles/Makefile2:76: CMakeFiles/igel.dir/all] Error 2
make: *** [Makefile:84: all] Error 2

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roelof@roelof-SATELLITE-C855-226:~/Downloads/tmp6/igel/src$ make
g++ -Wall -std=c++17 -mpopcnt -pthread -msse -msse2 -msse3 -mssse4.1 -O3 -march=native -flto -DEVALFILE="weights/ign-0-9b1937cc"
*.cpp nnue/*.cpp nnue/features/*.cpp fathom/tbprobe.c -DNDEBUG
-DEVAL_NNUE=1 -D BTYPE=0 -DSYZGY_SUPPORT=TRUE -DUSE_SSE2=1 -DUSE_SSSE3=1 -DUSE_SSE41=1 -o igel
In file included from fathom/tbprobe.c:137:
fathom/tbcore.c: In function 'void init_tablebases(const char*)':
fathom/tbcore.c:440:3: warning: this 'for' clause does not guard... [-Wmisleading-indentation]
440 |     for (i = 1; i < 6; i++)
    |     ^~~
fathom/tbcore.c:448:5: note: ...this statement, but the latter is misleadingly indented as if it were guarded by the 'for'
448 |     printf("Found %d tablebases.\n", TBnum_piece + TBnum_pawn);
    |     ^~~~~
/tmp/ccQPLHwc.s: Assembler messages:
/tmp/ccQPLHwc.s:9: Error: file not found: weights/ign-0-9b1937cc
lto-wrapper: fatal error: g++ returned 1 exit status
compilation terminated.
/usr/bin/ld: error: lto-wrapper failed
collect2: error: ld returned 1 exit status
make: *** [makefile:38: basic] Error 1

```