Supplement Materials

- **URL to website/platform of ComBack.**
  https://huggingface.co/datasets/docz-ict/ComBack.
- **URL to Croissant metadata record documenting ComBack.**
  https://huggingface.co/api/datasets/docz-ict/ComBack/croissant.
- **Author statement.**
  We bear all responsibility in case of violation of rights.
- **Hosting Platform of ComBack.**
  https://huggingface.co.
- **Licensing of ComBack.**
  ComBack: A Versatile Dataset for Enhancing Compiler Backend Development Efficiency © 2024 by Ming Zhong is licensed under CC BY 4.0.
- **Maintance Plan.**
  The owner and his team will be responsible for maintain the dataset. They will regularly extend the dataset with backends in newly released GCC, LLVM and open-sourced projects. As the dataset has been open-sourced at Huggingface, it will be easy to recover from former version when issues arise.
- **URL to fine-tuned models and scripts to reproduce experimental results.**
  https://huggingface.co/docz-ict/ComBack_Models.

Links to 317 open-sourced GitHub repositories in Sec. 3.1

SOURCE LINKS

	Idx	Repository	URL
GCC	0	GCC Released	https://www.gnu.org/prep/ftp.html
	1	GCC-FrontEnd	https://github.com/CdTCzech/GCC-FrontEnd
	2	7bgzf	https://github.com/cielavenir/7bgzf
	3	cpp.jit	https://github.com/DavidPfander-UniStuttgart/cppjit
	4	gcc-issues	https://github.com/erthink/gcc-issues
	5	gcc-vc4	https://github.com/felipealmeida/gcc-vc4
	6	gcc	https://github.com/gcourchinoux/gcc
	7	gcc-backend	https://github.com/Kanyesigye2002/gcc-backend
	8	pdp10-gcc	https://github.com/larsbrinkhoff/pdp10-gcc
	9	pdp10-gcc-test	https://github.com/larsbrinkhoff/pdp10-gcc-test
	10	gcc	https://github.com/MoSync/gcc
	11	arm.js	https://github.com/pipcet/asmjs
	12	dragonegg	https://github.com/pld-linux/dragonegg
	13	GCC-HIP	https://github.com/ProGTX/GCC-HIP
	14	docker_ghdl	https://github.com/RafaelMaychmaz/docker_ghdl
	15	eco32-gcc	https://github.com/skristiansson/eco32-gcc
	16	gigchad-backend	https://github.com/smalljustin/gigachad-backend
	17	programming-platform-backend-vm	https://github.com/techsyndicate/programming-platform-backend-vm
	18	backend	https://github.com/vicenCA/backend
	19	sparse	https://github.com/yersinia/sparse
	20	z8k-gcc	https://github.com/z8k/z8k-gcc
	21	.config	https://github.com/zszszszsz/.config
LLVM	0	LLVM Released	https://releases.llvm.org/download.html
	1	ollvm-12.x	https://github.com/0x3f97/ollvm-12.x
	2	dagger	https://github.com/ahmedbougacha/dagger
	3	LLVM-TMS320C64X	https://github.com/alexjordan/LLVM-TMS320C64X
	4	ollvm5.0.1	https://github.com/AllocAndInit/ollvm5.0.1
	5	llvmbuild	https://github.com/Altiscale/llvmbuild
	6	goron	https://github.com/amimo/goron
	7	EuroLLVM2018Hack	https://github.com/AnastasiaStulova/EuroLLVM2018Hack
	8	hardened-llvm	https://github.com/andreasdotorg/hardened-llvm
	9	llvm_clang_GSoC	https://github.com/andrewmw94/llvm_clang_GSoC
	10	external_llvm	https://github.com/AOKP/external_llvm
	11	llvm-project-v5	https://github.com/apple/llvm-project-v5
	12	swift-llvm	https://github.com/apple/swift-llvm
	13	llvmCore	https://github.com/apple-oss-distributions/llvmCore

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Idx	Repository	URL
14	llvm-color-flip	https://github.com/arabori/llvm-color-flip
15	llvm-openrisc	https://github.com/asl/llvm-openrisc
16	mxkasan_llvm	https://github.com/attilaszia/mxkasan_llvm
17	llvm-late-safepoint-placement	https://github.com/AzulSystems/llvm-late-safepoint-placement
18	llvm_upt	https://github.com/Azurewyl/llvm_upt
19	mehari-llvm	https://github.com/BBBSnowball/mehari-llvm
20	llvm-gbz80	https://github.com/Bevinsky/llvm-gbz80
21	llvm-stm8	https://github.com/bhav97/llvm-stm8
22	llvm-clang-PRETC	https://github.com/blickly/llvm-clang-PRETC
23	platform_external_llvm80	https://github.com/BlissOS/platform_external_llvm80
24	platform_external_llvm70	https://github.com/BlissRoms-x86/platform_external_llvm70
25	llvm-307315	https://github.com/bobzsj87/llvm-307315
26	llvm-zipper-prototype	https://github.com/bogner/llvm-zipper-prototype
27	multicore-opimization	https://github.com/Bootz/multicore-opimization
28	pdse	https://github.com/bryant/pdse
29	dlx	https://github.com/buresm11/dlx
30	llvm-capstone	https://github.com/capstone-engine/llvm-capstone
31	llvm-vp	https://github.com/cdl-saarland/llvm-vp
32	llvm-cgo-2015	https://github.com/chandlerc/llvm-cgo-2015
33	cmplrstudy	https://github.com/changeyourname/cmplrstudy
34	llvm-project-legacy	https://github.com/chapuni/llvm-project-legacy
35	checkedc-llvm-project	https://github.com/checkedc/checkedc-llvm-project
36	LLVM-VideoCore4	https://github.com/christinaa/LLVM-VideoCore4
37	llvm-optimized	https://github.com/chris-wood/llvm-optimized
38	rust-llvm-xtensa	https://github.com/ciniml/rust-llvm-xtensa
39	llvm_trunk	https://github.com/clang-omp/llvm_trunk
40	llvm-xtensa	https://github.com/code0100fun/llvm-xtensa
41	llvm-leg	https://github.com/codeplaysoftware/llvm-leg
42	sycl-for-cuda	https://github.com/codeplaysoftware/sycl-for-cuda
43	llvm-z80-backend	https://github.com/Codetector1374/llvm-z80-backend
44	llvm-rv	https://github.com/compiler-dev/llvm-rv
45	llvm-cjg	https://github.com/connorjan/llvm-cjg
46	DuroHLS-llvm	https://github.com/corelab-src/DuroHLS-llvm
47	android-toolchain-llvm-3-8	https://github.com/crystax/android-toolchain-llvm-3-8
48	openbox_external_llvm	https://github.com/cubieboard/openbox_external_llvm
49	android_external_llvm	https://github.com/CyanogenMod/android_external_llvm
50	fuzzcoin-llvm	https://github.com/daehee87/fuzzcoin-llvm
51	llvm-riscv-backend	https://github.com/DailinH/llvm-riscv-backend
52	android-platform-external-llvm	https://github.com/dalinaum/android-platform-external-llvm
53	darling-llvmCore	https://github.com/darlinghq/darling-llvmCore
54	minsfi-llvm	https://github.com/davidbrazdil/minsfi-llvm
55	pnacl-llvm	https://github.com/davidbrazdil/pnacl-llvm
56	llvm-gvn-rewrite	https://github.com/dberlin/llvm-gvn-rewrite
57	DeClang	https://github.com/DeNA/DeClang
58	Mitigating-Spectre-Meltdown	https://github.com/Devansh-Agarwal/Mitigating-Spectre-Meltdown
59	llvm-metadataburn	https://github.com/djolertrk/llvm-metadataburn
60	llvm-js-backend	https://github.com/dmlap/llvm-js-backend
61	fracture	https://github.com/draperlaboratory/fracture
62	llvm-cbe	https://github.com/draperlaboratory/llvm-cbe
63	llvm12_960	https://github.com/DrItanium/llvm12_960
64	llvm36_1	https://github.com/drmeister/llvm36_1
65	llvm-z80	https://github.com/earl1k/llvm-z80
66	pulp-llvm	https://github.com/ekut-es/pulp-llvm
67	aap-llvm	https://github.com/embecosm/aap-llvm
68	llvm-othergen	https://github.com/embecosm/llvm-othergen
69	YANSOllvm	https://github.com/emc2314/YANSOllvm
70	emscripten-fastcomp	https://github.com/emscripten-core/emscripten-fastcomp
71	llvm-copy	https://github.com/Eric-is-good/llvm-copy
72	llvm.mix	https://github.com/eush77/llvm.mix
73	Kylin-llvm-obfuscator	https://github.com/exorxw/Kylin-llvm-obfuscator
74	iec-61131_new	https://github.com/fanfuqiang/iec-61131_new
75	Pluto-Obfuscator	https://github.com/fc777888/Pluto-Obfuscator
76	ri5cy-llvm	https://github.com/federeghe/ri5cy-llvm
77	llvm-skir	https://github.com/fifield/llvm-skir
78	FISC-LLVM	https://github.com/FISC-Project/FISC-LLVM
79	LLVM-Latency-Critical-Load-Replacement	https://github.com/fjrobinson/LLVM-Latency-Critical-Load-Replacement
80	flang7	https://github.com/flang-cavium/flang7
81	flang9	https://github.com/flang-cavium/flang9
82	classic-flang-llvm-project	https://github.com/flang-compiler/classic-flang-llvm-project
83	j2-llvm	https://github.com/francisvm/j2-llvm
84	llvm_mpi_checks	https://github.com/frankroeder/llvm_mpi_checks
85	llvm-leg	https://github.com/frasercrmck/llvm-leg
86	iota-llvm	https://github.com/froggey/iota-llvm
87	llvm-tlcs900	https://github.com/fromGoogleCode/llvm-tlcs900
88	teak-llvm	https://github.com/Gericom/teak-llvm
89	llvm-monorepo	https://github.com/glaubitz/llvm-monorepo
90	llvm-java	https://github.com/Glavo/llvm-java
91	llvm-propeller	https://github.com/google/llvm-propeller

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Idx	Repository	URL
92	Armariris	https://github.com/GoSSIP-SJTU/Armariris
93	MinimumRegisterInstructionSequencing	https://github.com/gshashidhar125/MinimumRegisterInstructionSequencing
94	llvm-I8080	https://github.com/gt-retro-computing/llvm-I8080
95	tpc_llvm	https://github.com/HabanaAI/tpc_llvm
96	LLVM6_HSLP	https://github.com/herjmoo/LLVM6_HSLP
97	EPOXY-llvm	https://github.com/HexHive/EPOXY-llvm
98	llvm-bgq	https://github.com/hfinkel/llvm-bgq
99	llvm-lfort	https://github.com/hfinkel/llvm-lfort
100	llvm-project-csp	https://github.com/hfinkel/llvm-project-csp
101	llvm-project-cxxjit	https://github.com/hfinkel/llvm-project-cxxjit
102	PJ_O-LLVM	https://github.com/HighW4y2H3ll/PJ_O-LLVM
103	llvm-yacahp	https://github.com/hiromi-mi/llvm-yacahp
104	HLC-HSAIL-Development-LLVM	https://github.com/HSAFoundation/HLC-HSAIL-Development-LLVM
105	ios-analysis-llvmslicer	https://github.com/IAIK/ios-analysis-llvmslicer
106	LLVM-Loop-Profiler	https://github.com/IITH-Compilers/LLVM-Loop-Profiler
107	LLVM-Loop-Profiler_MonoRepo	https://github.com/IITH-Compilers/LLVM-Loop-Profiler_MonoRepo
108	llvmhls	https://github.com/infinioce/llvmhls
109	llvm_bpf	https://github.com/iovisor-obsolete/llvm_bpf
110	c910-llvm	https://github.com/isrc-cas/c910-llvm
111	flounder	https://github.com/isrc-cas/flounder
112	riscv-backport-llvm8	https://github.com/isrc-cas/riscv-backport-llvm8
113	LLVMBasedAsmGenerator	https://github.com/ivankrylov/LLVMBasedAsmGenerator
114	Cpu0-LLVM-9.0	https://github.com/Jackie-Linzz/Cpu0-LLVM-9.0
115	qt210_ics_external_llvm	https://github.com/jackyh/qt210_ics_external_llvm
116	llvm-z80	https://github.com/jacobly0/llvm-z80
117	llvm-training	https://github.com/jaebaek/llvm-training
118	sic-llvm	https://github.com/jakoberzar/sic-llvm
119	llvm-snes	https://github.com/jaywuuu/llvm-snes
120	llvm_jvm	https://github.com/jbhateja/llvm_jvm
121	NyuziToolchain	https://github.com/jbush001/NyuziToolchain
122	llvm-work	https://github.com/jdmdj/llvm-work
123	llvm-65816	https://github.com/jeremysrand/llvm-65816
124	dist-llvm	https://github.com/jhoush/dist-llvm
125	intflow-llvm	https://github.com/jikk/intflow-llvm
126	llvm-research	https://github.com/johngarrett/llvm-research
127	llvm-project-with-mlir	https://github.com/joker-eph/llvm-project-with-mlir
128	llvm-unified	https://github.com/joker-eph/llvm-unified
129	lbd	https://github.com/Jonathan2251/lbd
130	msp430-llvm	https://github.com/jozefl/msp430-llvm
131	llvm36lm32	https://github.com/jpbonn/llvm36lm32
132	llvm-detex	https://github.com/jsren/llvm-detex
133	AutoPriv	https://github.com/jtcriswell/AutoPriv
134	LLVMTutorial	https://github.com/jtcriswell/LLVMTutorial
135	safecode-llvm37	https://github.com/jtcriswell/safecode-llvm37
136	llvm-cbe	https://github.com/JuliaHubOSS/llvm-cbe
137	float-compare-pass	https://github.com/jvstech/float-compare-pass
138	llvm-toolchain	https://github.com/jvstech/llvm-toolchain
139	CETS-llvm8	https://github.com/jzhou76/CETS-llvm8
140	avr-llvm	https://github.com/kaomoneus/avr-llvm
141	ghc-llvm	https://github.com/kavon/ghc-llvm
142	LLVM-SPIRV-Backend	https://github.com/KhronosGroup/LLVM-SPIRV-Backend
143	SPIRV-LLVM	https://github.com/KhronosGroup/SPIRV-LLVM
144	llvm-js	https://github.com/kripken/llvm-js
145	llvm-js-2	https://github.com/kripken/llvm-js-2
146	llvm-clang-4.0.1	https://github.com/kylewu11/llvm-clang-4.0.1
147	kitsune-old	https://github.com/lanl/kitsune-old
148	cheerp-compiler	https://github.com/leaningtech/cheerp-compiler
149	cheerp-llvm	https://github.com/leaningtech/cheerp-llvm
150	agc-llvm	https://github.com/lewis-revill/agc-llvm
151	lldb-d	https://github.com/ljmf00/lldb-d
152	llvm-project-staging	https://github.com/llvm/llvm-project-staging
153	llvm-dcpu16	https://github.com/llvm-dcpu16/llvm-dcpu16
154	custom-llvm2	https://github.com/llvm-faultinjector/custom-llvm2
155	llvm-legacy-branches	https://github.com/llvm-git-prototype/llvm-legacy-branches
156	llvm-mos	https://github.com/llvm-mos/llvm-mos
157	riscv-llvm	https://github.com/lowRISC/riscv-llvm
158	riscv-llvm-integration	https://github.com/lowRISC/riscv-llvm-integration
159	llvm-to-snes	https://github.com/luizperes/llvm-to-snes
160	fineibt_llvm	https://github.com/lvwr/fineibt_llvm
161	llvm-opt-ssapre	https://github.com/m4yers/llvm-opt-ssapre
162	M680x0-llvm	https://github.com/M680x0/M680x0-llvm
163	mageec-llvm	https://github.com/mageec/mageec-llvm
164	mina32-llvm	https://github.com/marysaka/mina32-llvm
165	mclinker	https://github.com/mclinker/mclinker
166	llvm-parabix	https://github.com/mendlin/llvm-parabix
167	platform_external_llvm8	https://github.com/michalgr/platform_external_llvm8
168	llvmCore-3425.0.36	https://github.com/MiclausCorp/llvmCore-3425.0.36
169	checkedc-llvm	https://github.com/microsoft/checkedc-llvm

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Idx	Repository	URL
170	DirectXShaderCompiler	https://github.com/microsoft/DirectXShaderCompiler
171	llvm-spirv	https://github.com/MixmasterFresh/llvm-spirv
172	llvm-lm32	https://github.com/m-labs/llvm-lm32
173	linux-packaging-mono-llvm	https://github.com/mono/linux-packaging-mono-llvm
174	llvm-axa-backend	https://github.com/mortie/llvm-axa-backend
175	llvm-orihime	https://github.com/MosakujiHokuto/llvm-orihime
176	smm_llvm_obsolete	https://github.com/MPSLab-ASU/smm_llvm_obsolete
177	IDULLVM	https://github.com/n01e0/IDULLVM
178	llvm-project-nested-funcs	https://github.com/navdeepkk/llvm-project-nested-funcs
179	Obfvious	https://github.com/nimrodpar/Obfvious
180	tic64x-llvm-7.1	https://github.com/nkim-bitzap/tic64x-llvm-7.1
181	xtensa-llvm-7.1	https://github.com/nkim-bitzap/xtensa-llvm-7.1
182	backend-support	https://github.com/normanrink/backend-support
183	llvm-syntax-macros	https://github.com/normanrink/llvm-syntax-macros
184	llvm9-project-rvp	https://github.com/nthu-pllab/llvm9-project-rvp
185	OLLVM-9.0.1	https://github.com/o2e/OLLVM-9.0.1
186	opencilk-project	https://github.com/OpenCilk/opencilk-project
187	llvmclang	https://github.com/opencor/llvmclang
188	LLVM_for_cpu0	https://github.com/P2Tree/LLVM_for_cpu0
189	pacxx-llvm	https://github.com/pacxx/pacxx-llvm
190	llvm-bitslicer	https://github.com/PaoloS02/llvm-bitslicer
191	llvm-wasm-codesize	https://github.com/paritytech/llvm-wasm-codesize
192	android_llvm	https://github.com/paschalis-mpeis/android-llvm
193	external-llvmx	https://github.com/paschalis-mpeis/external-llvmx
194	replace_function_name	https://github.com/penguin-wwy/replace_function_name
195	llvm-C65-llvm	https://github.com/Peppar/llvm-C65
196	restritification	https://github.com/periclesroalves/restritification
197	runtime-pointer-disambiguation	https://github.com/periclesroalves/runtime-pointer-disambiguation
198	llvm-porting	https://github.com/phight305/llvm-porting
199	llvm-eud	https://github.com/phu54321/llvm-eud
200	pacstack-llvm	https://github.com/pointer-authentication/pacstack-llvm
201	mlirx	https://github.com/polymage-labs/mlirx
202	LLVM-ARCompact	https://github.com/pozorvlak/LLVM-ARCompact
203	llvm-branchpred	https://github.com/pozorvlak/llvm-branchpred
204	rvv-llvm	https://github.com/pranav-prakash/rvv-llvm
205	llvm-security	https://github.com/prateeksahu/llvm-security
206	llvmlocal	https://github.com/preejackie/llvmlocal
207	llvm_TOY_backend	https://github.com/Professor322/llvm_TOY_backend
208	LLVMFaultLoc	https://github.com/psuplus/LLVMFaultLoc
209	llvm-obfuscator	https://github.com/qtfreet00/llvm-obfuscator
210	llvm-with-ms-abi-support	https://github.com/r4start/llvm-with-ms-abi-support
211	llvm-openisa	https://github.com/rafaelauler/llvm-openisa
212	llvm-m88k	https://github.com/redstar/llvm-m88k
213	platform_external_llvm90	https://github.com/remote-android/platform_external_llvm90
214	llvm-revec	https://github.com/revec/llvm-revec
215	caver-llvm	https://github.com/rgov/caver-llvm
216	toolchain-llvm-project	https://github.com/riscv-android-src/toolchain-llvm-project
217	llvmCopy	https://github.com/ritesh2212/llvmCopy
218	llvm-slicer	https://github.com/Rj1ng/llvm-slicer
219	amd-llvm-project	https://github.com/ROCm/amd-llvm-project
220	Armariries	https://github.com/romangol/Armariries
221	miniat-LLVM-backend	https://github.com/romejoe/miniat-LLVM-backend
222	llvm-hcs	https://github.com/ruijiefang/llvm-hcs
223	LLVM-WCET-SWEET	https://github.com/rveens/LLVM-WCET-SWEET
224	TeeRISC-Compiler	https://github.com/samueldotj/TeeRISC-Compiler
225	llvm-eclair	https://github.com/sarahemm/llvm-eclair
226	wazuhl	https://github.com/SavchenkoValeriy/wazuhl
227	dcpu16-llvm	https://github.com/sblom/dcpu16-llvm
228	llvm-dsa	https://github.com/seahorn/llvm-dsa
229	multicompiler	https://github.com/securesystemslab/multicompiler
230	nacl-llvm	https://github.com/shravanrn/nacl-llvm
231	platform_external_llvm	https://github.com/shugaoye/platform_external_llvm
232	libclang	https://github.com/sighingnow/libclang
233	RE-llvmA	https://github.com/siserin/RE-llvmA
234	llvm-or1k	https://github.com/skristiansson/llvm-or1k
235	ollvm_test	https://github.com/SliverBullet5563/ollvm_test
236	llvm-prepo	https://github.com/SNSystems/llvm-prepo
237	crellvm-llvm	https://github.com/snu-sf/crellvm-llvm
238	llvm-freeze	https://github.com/snu-sf/llvm-freeze
239	llvm-twin	https://github.com/snu-sf/llvm-twin
240	llvm-offload-jetson	https://github.com/sommerlukas/llvm-offload-jetson
241	lsif-clang	https://github.com/sourcegraph/lsif-clang
242	LLVMStackPU	https://github.com/StackDoubleFlow/LLVMStackPU
243	mmix-llvm-backend	https://github.com/stuij/mmix-llvm-backend
244	nacl-llvm-branches.llvm-trunk	https://github.com/sungsujo/nacl-llvm-branches.llvm-trunk
245	CSE601	https://github.com/Systems-IIITD/CSE601
246	patmos-llvm	https://github.com/t-crest/patmos-llvm
247	patmos-llvm-project	https://github.com/t-crest/patmos-llvm-project

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Idx	Repository	URL
248	llvm-kernel	https://github.com/thaolt/llvm-kernel
249	llvm-mcsema	https://github.com/thestr4ng3r/llvm-mcsema
250	llvm-ppc750cl	https://github.com/Tilka/llvm-ppc750cl
251	TON-Compiler	https://github.com/ton-community/ton-compiler
252	llvm-propeller2	https://github.com/totalspectrum/llvm-propeller2
253	llvm-sanitizer-tutorial	https://github.com/trailofbits/llvm-sanitizer-tutorial
254	llvm-tl45	https://github.com/transfer-learning/llvm-tl45
255	llvm-tricore	https://github.com/TriDis/llvm-tricore
256	llvm-andersen	https://github.com/TristanSchmelcher/llvm-andersen
257	sycl	https://github.com/triSYCL/sycl
258	ConfLLVM	https://github.com/TrustedCloud/ConfLLVM
259	corev-llvm-project	https://github.com/TrustedCloud/ConfLLVM
260	private-llvm	https://github.com/TrustedCloud/private-llvm
261	TaintLLVM	https://github.com/TrustedCloud/TaintLLVM
262	esp-llvm	https://github.com/ucb-bar/esp-llvm
263	llvm-6-register-allocator	https://github.com/UsmanNadeem/llvm-6-register-allocator
264	ava-llvm	https://github.com/utcs-scea/ava-llvm
265	llvm-cahp	https://github.com/virtualsecureplatform/llvm-cahp
266	llvm-rv16k	https://github.com/virtualsecureplatform/llvm-rv16k
267	llvm-csv	https://github.com/vulder/llvm-csv
268	accmut	https://github.com/wangbo15/accmut
269	android_external_llvm90	https://github.com/waydroid/android_external_llvm90
270	pj-llvm	https://github.com/weliveindetail/pj-llvm
271	llvm-study	https://github.com/wierton/llvm-study
272	wimal	https://github.com/wimal-build/wimal
273	LLVM-HTO	https://github.com/wsmoses/LLVM-HTO
274	Tapir-LLVM	https://github.com/wsmoses/Tapir-LLVM
275	swift-Ollvm10	https://github.com/WYK15/swift-Ollvm10
276	swift-Ollvm11	https://github.com/WYK15/swift-Ollvm11
277	swift-Ollvm12	https://github.com/WYK15/swift-Ollvm12
278	external-llvm	https://github.com/xhteam/external-llvm
279	ollvm4.0-and-llvm9.0	https://github.com/xiguayizu/ollvm4.0-and-llvm9.0
280	hls-llvm-project	https://github.com/Xilinx/hls-llvm-project
281	xncm-llvm	https://github.com/xncm/xncm-llvm
282	TaintTracking	https://github.com/yahnik/TaintTracking
283	ollvm-tll	https://github.com/yazhiwang/ollvm-tll
284	LLVM-obf	https://github.com/yeqingyan/LLVM-obf
285	llvm-epiphany	https://github.com/yingerj/llvm-epiphany
286	BsodSurvivor	https://github.com/ykfre/BsodSurvivor
287	LLVM-SVE	https://github.com/yogeshlc/LLVM-SVE
288	zapcc	https://github.com/yrnkrn/zapcc
289	llvm-rvex	https://github.com/zerokill/llvm-rvex
290	llvm4pass	https://github.com/zhangkn/llvm4pass
291	llvm-with-calls-to-souper	https://github.com/zhengyang92/llvm-with-calls-to-souper
292	LLVMMirror	https://github.com/divot/LLVMMirror
293	llvm-mirror	https://github.com/earl/llvm-mirror
294	llvmnew	https://github.com/preejackie/llvmnew
295	LLVM-r	https://github.com/MPSLab-ASU/LLVM-r
296	llvm-ssa	https://github.com/leissa/llvm-ssa