实验 (3): IR 生成器

20337025 崔璨明

实验过程

这次实验需要阅读大量的资料,以及了解llvm::Builder中有什么样的函数可以调用,这花费了我大量的时间,即便如此,实验的过程中也还会遇到各种困难。总而言之,这是实验是一个非常大的挑战。

自动评测结果

通过了本地的所有测例:

/485a| sysu-lang: 0us, ret 216\n'}, ("name": "tester/h functional/105 long arrayz.sysu.", "score": 1, "max score": 1, "output": "Compile Finish.\n[449/454] clang -03: 0us, ret 0\n'], ("name": "tester/h functional/106 many params.sysu.c", "score": 1, "max score": 1, "output": "Compile Finish.\n[441/454] clang -03: 0us, ret 0\n'], ("name": "tester/h functional/108 many params.sysu.c", "score": 1, "max score": 1, "output": "Compile Finish.\n[442/454] clang -03: 0us, ret 0\n'], ("name": "tester/h functional/108 many params.sysu.c", "score": 1, "max score": 1, "output": "Compile Finish.\n[442/454] clang -03: 0us, ret 0\n'], ("name": "tester/h functional/108 many params.sysu.c", "score": 1, "max score": 1, "output": "Compile Finish.\n[443/454] clang -03: 0us, ret 0\n'[441/454] sysu-lang: 0us, ret 0\n'], ("name": "tester/h functional/111 many plobals.sysu.c", "score": 1, "max score": 1, "output": "Compile Finish.\n[445/454] clang -03: 0us, ret 0\n'[441/454] sysu-lang: 0us, ret 0\n'], ("name": "tester/h functional/111 many plobals.sysu.c", "score": 1, "max score": 1, "output": "Compile Finish.\n[445/454] clang -03: 0us, ret 0\n[446/454] sysu-lang: 0us, ret 0\n'], ("name": "tester/h functional/113 many localsz.sysu.c", "score": 1, "max score": 1, "output": "Compile Finish.\n[445/454] sysu-lang: 0us, ret 0\n'], ("name": "tester/h functional/113 many localsz.sysu.c", "score": 1, "max score": 1, "output": "Compile Finish.\n[446/454] sysu-lang: 0us, ret 0\n'], ("name": "tester/h functional/115 nested calls.sysu.c", "score": 1, "max score": 1, "output": "compile Finish.\n[448/454] clang -03: 0us, ret 194\n[448/454] sysu-lang: 0us, ret 194\n"], ("name": "tester/h functional/115 nested calls.sysu.c", "score": 1, "max score": 1, "output": "compile Finish.\n[448/454] clang -03: 0us, ret 3\n[448/454] sysu-lang: 0us, ret 5\n[448/454] sysu-lang: 0us, ret 5\n[448/454] sysu-lang: 0us, ret 3\n[448/454] sy

线上评测结果



遇到的困难

在测例 95_float.sysu.c 中碰到了 fail: not equ 的bug,发现是我做浮点数比较时,先将其转化为整数类型再就行比较了,这导致两个很小的浮点数都会变为0再比较,永远相等,延期了一个星期,终于将其解决。

感想

这次实验的难度很大,希望之后的实验能有更多的提示与指导。