

添加方法可参考文档: flang中添加测试用例.note

链接: [http://note.youdao.com/noteshare?](http://note.youdao.com/noteshare?id=998418849025da13285a7ca76bae7987&sub=1B7AB2261FBC4A49BE7C889866D9C80E)

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和添加可执行的测试用例一样, 需要分别在inc、lit、src文件夹下添加对应的测试脚本和测试用例:

1.inc/value_intent_check.mk

```
1 # Part of the LLVM Project, under the Apache License v2.0 with LLVM Exceptions.
2 # See https://llvm.org/LICENSE.txt for license information.
3 # SPDX-License-Identifier: Apache-2.0 WITH LLVM-exception
4
5 build: $(SRC)/$(TEST).f90
6 @echo ----- building test $(TEST)
7 -$(FC) -c $(SRC)/$(TEST).f90 > $(TEST).rslt 2>&1
8
9 run:
10 @echo ----- nothing to run for test $(TEST)
11
12 verify: $(TEST).rslt
13 @echo ----- verifying test $(TEST)
14 $(COMP_CHECK) $(SRC)/$(TEST).f90 $(TEST).rslt $(FC)
```

2.lit/value_intent_check.sh

```
1 #
2 # Part of the LLVM Project, under the Apache License v2.0 with LLVM Exceptions.
3 # See https://llvm.org/LICENSE.txt for license information.
4 # SPDX-License-Identifier: Apache-2.0 WITH LLVM-exception
5
6 # Shared lit script for each tests. Run bash commands that run tests with make.
7
8 # RUN: KEEP_FILES=%keep FLAGS=%flags TEST_SRC=%s MAKE_FILE_DIR=%S/.. bash %S/runmake | tee %t
9 # RUN: cat %t | FileCheck %S/runmake
```

3.src/value_intent_check.f90

```
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2 ! See https://llvm.org/LICENSE.txt for license information.
3 ! SPDX-License-Identifier: Apache-2.0 WITH LLVM-exception
4
5 ! do VALUE attribute declaration errors
6
7 subroutine s1 (i, j)
8 !{error "PGF90-S-0155-VALUE attribute conflicts with INTENT(OUT) or INTENT(INOUT) attribute - i"}
9 integer, intent(inout), value :: i
10 integer, intent(out) :: j
11 !{error "PGF90-S-0155-VALUE attribute conflicts with INTENT(OUT) or INTENT(INOUT) attribute - j"}
12 value :: j
13 end subroutine s1
```

NOTE:

测试用例中的报错信息：

`!{error "PGF90-S-0155-VALUE attribute conflicts with INTENT(OUT) or INTENT(INOUT) attribute - i"}` 双引号“”里的内容是flang测试框架需要检查匹配的报错信息。

- 1.它在源码中的位置必须在需要报错的那行语句的前一行或者同一样；
- 2.实际上flang报错的信息是F90-x-xxxx-前缀，但是写在测试用例中的报错信息需要是PGF90-x-xxxx的前缀，后面的报错信息是一致的。