

008: nodup.hs が renRhs の未実装でエラー

↑ up

- issued: 2020-04-09
- 分類: A サンプルコードが fail
- status: Closed (2020-04-15)

現象

```
$ ./test-compile.sh testcases/nodup.hs
source file: testcases/nodup.hs
dst dir: /nodup
doCompile ... done.
implicitPrelude ... done.
doCompile ... bunnyc: renRhs not yet implemented.
```

(略)

```
CallStack (from HasCallStack):
  error, called at src/Rename.hs:416:3 in main:Rename
```

調査ログ

2020-04-15 (Wed)

renRhs の未実装で引っかかっているのは、以下 (trace の出力を手で整形したもの):

GuardedRhs

[

```
( [ExpStmt (InfixExp (VarExp (Name {origName = "y", namePos = (3,19), isConName = False}))
  (Name {origName = "==", namePos = (3,21), isConName = False})
  (VarExp (Name {origName = "x", namePos = (3,24), isConName = False})))
```

]

```
, FunAppExp (VarExp (Name {origName = "nodups", namePos = (3,31), isConName = False}))
  (ParExp (InfixExp (VarExp (Name {origName = "x", namePos = (3,39), isConName = False}))
    (Name {origName = ":", namePos = (3,40), isConName = True})
    (VarExp (Name {origName = "xs", namePos = (3,41), isConName = False}))
```

```

    )
  )
)
,([ExpStmt (VarExp (Name {origName = "otherwise", namePos = (4,19), isConName = False}))]
 ,InfixExp (VarExp (Name {origName = "y", namePos = (4,31), isConName = False}))
  (Name {origName = ":", namePos = (4,33), isConName = True})
  (FunAppExp (VarExp (Name {origName = "nodups", namePos = (4,35), isConName = False}))
    (ParExp (InfixExp (VarExp (Name {origName = "x", namePos = (4,43), isConName =
      (Name {origName = ":", namePos = (4,44), isConName = True})
      (VarExp (Name {origName = "xs", namePos = (4,45), isConName =
    )
  )
)
]
[]

```

実装、解決

nodup.hs で出現する単純な guarded rhs を if then else if ... の列に変換するコードを renRhs に追加、nodup.hs は通るようになった⇒ sample144

ただ、ごく単純なケースのみしか対応していないので、それについては別の Issue とした。

- 029: renRhs が GuardedRhs の単純なケースしか対応していない