

011: trcore-err1.hs がランタイムにおいて abend

↑ up

- issued: 2020-04-09
- 分類: A サンプルコードが fail
- status: Closed (2020-10-01)

現象

```
~/prj/bunny/compiler/jout$ ./run trcore-err1/Sample.java
Error: Non-exhaustive patterns.
abend!
```

調査ログ

2020-09-22 (Tue)

タスクのたな卸しをしようと、前から順に確認してみたところ、この件も、いまの版では現象がかわっているようだった。今日実行した結果は以下のように、DictPass での dictionary not found:

```
$ ./trun testcases/trcore-err1.hs
# 1. tcompile
source file: testcases/trcore-err1.hs
dst dir: /trcore-err1
doCompile ... done.
implicitPrelude ... done.
doCompile ... bunnyc: Error: dictionary not found: ("Prelude.Ord",Tyvar "t27" Star,[ (IsIn "Prelude.Ord"
CallStack (from HasCallStack):
  error, called at src/DictPass.hs:261:25 in main:DictPass
CallStack (from -prof):
  DictPass.findApplyDict.ty2dict (src/DictPass.hs:(233,8)-(261,82))
  DictPass.findApplyDict.mkdicts (src/DictPass.hs:(228,8)-(231,29))
  DictPass.findApplyDict (src/DictPass.hs:(223,1)-(263,35))
  DictPass.tcExpr.tcAs (src/DictPass.hs:(306,5)-(308,25))
  DictPass.tcExpr (src/DictPass.hs:(266,1)-(317,71))
  DictPass.tcBind.tcbind(...) (src/DictPass.hs:53:13-51)
```

```

DictPass.tcBind.tcbind (src/DictPass.hs:(46,5)-(58,48))
DictPass.tcBind.tbloop (...) (src/DictPass.hs:38:32-54)
DictPass.tcBind.tbloop (src/DictPass.hs:(37,5)-(39,52))
DictPass.tcBind (src/DictPass.hs:(34,1)-(58,48))
Main.doCompile (...) (app/Main.hs:103:7-44)
Main.doCompile (app/Main.hs:(77,1)-(113,33))
Main.main (app/Main.hs:(116,1)-(131,42))

```

--ddump-core0 の結果はこう :

```

(Main.main :: (Prelude.IO ())) =
  ((Prelude.putStrLn :: ([Prelude.Char] -> (Prelude.IO ()))) $
   ((Prelude.show :: ([Prelude.Show t5] :=> (t5 -> [Prelude.Char]))) $
    ((Main.f :: ([Prelude.Ord t6] :=> ([t6] -> Prelude.Bool)))
     "331223"))))

(Main.f :: ([Prelude.Ord t29] :=> ([t29] -> Prelude.Bool))) =
  \(_Main.f.U1 :: ([Prelude.Ord t7] :=> [t7])) ->
    case (_Main.f.U1 :: ([Prelude.Ord t7] :=> [t7])) (_Main.f.U1b :: ([Prelude.Ord t7] :=> [t7]))
      Prelude.: (_Main.f.U2 :: t10) (_Main.f.U3 :: [t10]) :: (t10 -> ([t10] -> [t10])) ->
        case (_Main.f.U3 :: [t10]) (_Main.f.U3b :: [t10]) of
          Prelude.: (_Main.f.U3 :: t16) (_Main.f.U4 :: [t16]) :: (t16 -> ([t16] -> [t16]))
            case (_Main.f.U4 :: [t16]) (_Main.f.U4b :: [t16]) of
              Prelude.: (_Main.f.U5 :: t25) (_Main.f.U6 :: [t25]) :: (t25 -> ([t25] ->
                ((Main.f :: ([Prelude.Ord t27] :=> ([t27] -> Prelude.Bool)))
                 (_Main.f.U3 :: t16))
                Prelude.[] :: [t18] ->
                  (((Prelude.> :: ([Prelude.Ord t22] :=> (t22 -> (t22 -> Prelude.Bool))
                    (_Main.f.U2 :: t10))
                     (_Main.f.U3 :: t16))
                    Prelude.[] :: [t12] ->
                      (Prelude.False :: Prelude.Bool)

                Prelude.[] :: [t8] ->
                  (Prelude.False :: Prelude.Bool)

```

2020-10-01 (Thu)

076 と同じ原因だったので、いっしょに解決。trcore-err1.hs は、sample283.hs とした。