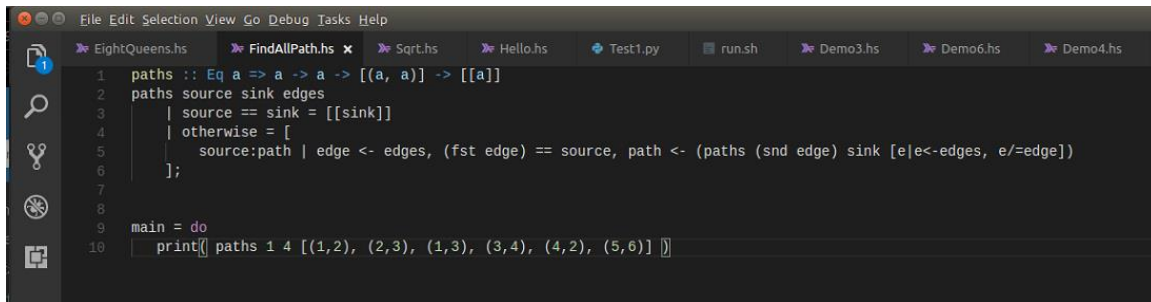


作业 1: Find All Paths

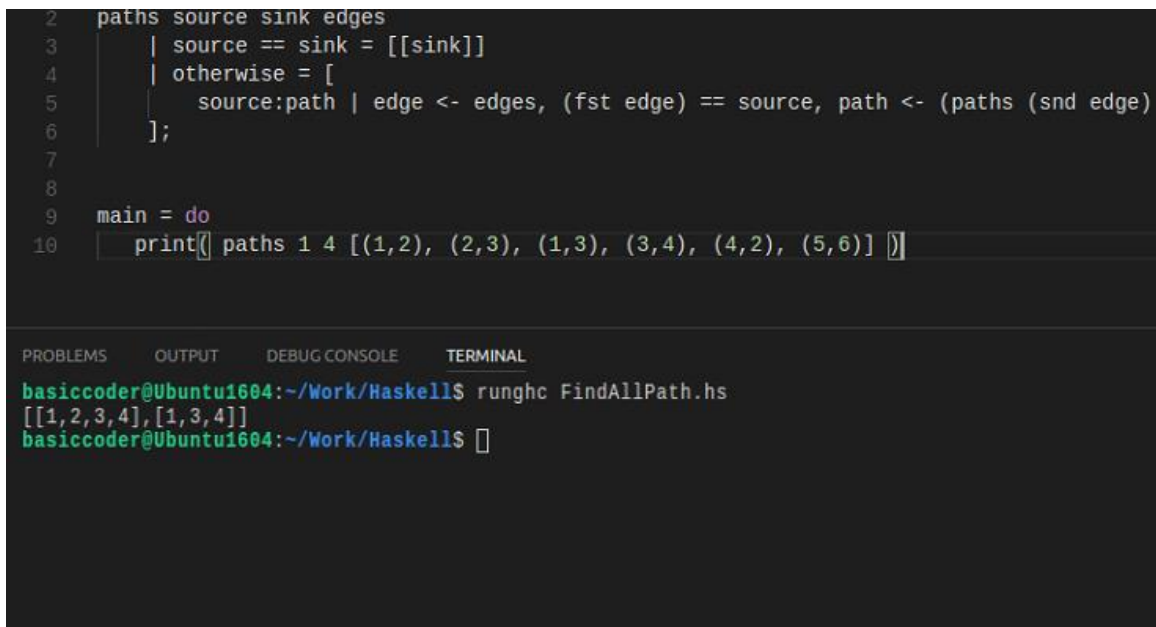
一: Source Code:



```
1 paths :: Eq a => a -> a -> [(a, a)] -> [[a]]
2 paths source sink edges
3   | source == sink = [[sink]]
4   | otherwise = [
5     source:path | edge <- edges, (fst edge) == source, path <- (paths (snd edge) sink [e|e<-edges, e/=edge])
6   ];
7
8
9 main = do
10   print[ paths 1 4 [(1,2), (2,3), (1,3), (3,4), (4,2), (5,6)] ]
```

详细代码请查看附件 1

二: 实验结果:



```
2 paths source sink edges
3   | source == sink = [[sink]]
4   | otherwise = [
5     source:path | edge <- edges, (fst edge) == source, path <- (paths (snd edge)
6   ];
7
8
9 main = do
10   print[ paths 1 4 [(1,2), (2,3), (1,3), (3,4), (4,2), (5,6)] ]
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

```
basiccoder@Ubuntu1604:~/Work/Haskell$ runghc FindAllPath.hs
[[1,2,3,4],[1,3,4]]
basiccoder@Ubuntu1604:~/Work/Haskell$
```

附件:

[1] FindAllPath.hs