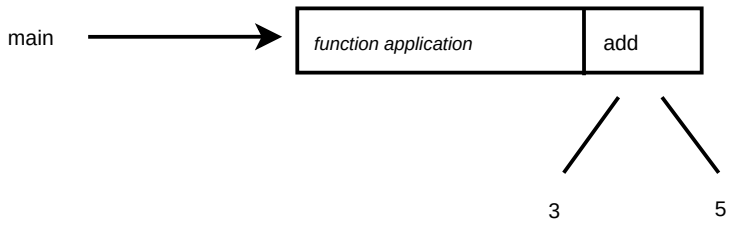
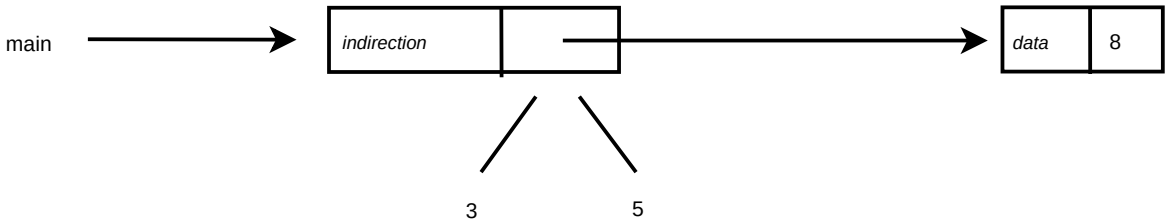
Consider this example program:

```
main = add 3 5
add x y = x + y
```

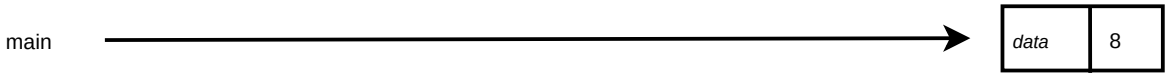
Just before `add` is evaluated, the heap contains a function application node:



After `add` finishes and does a `Return`, the root of the redex is represented by an indirection node:



If the garbage collector were to run at this point and eliminate the indirection, we would end up with:



Running the above example on the modified NHC VM would result in a heap like this. Note that this contains all the information we need – looking at the node as an indirection node gives you the result of the evaluation, and looking at it as a function application node gives you the redex.