

# Multi-Witness.hs

```

1  a n = case n of
2    1 → 'I'
3    2 → "II"
4    3 → "III"
5    4 → "IV"

```



```

1  a n = case n of
2    1 → 'I'
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4    3 → "III"
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```



## All Constraints

a n = case n of

1 → 'I'

2 → "II"

3 → "III"

4 → "IV"

C1  $t_a = t_n \rightarrow t_{case}$

C2  $t_n = \text{Int}$

C3  $t_{case} = \text{Char}$

C4  $t_n = \text{Int}$

C5  $t_{case} = \text{String}$

C6  $t_n = \text{Int}$

C7  $t_{case} = \text{String}$

C8  $t_n = \text{Int}$

C9  $t_{case} = \text{String}$

## MUSes

C3  $t_{case} = \text{Char}$

C5  $t_{case} = \text{String}$

C3  $t_{case} = \text{Char}$

C7  $t_{case} = \text{String}$

C3  $t_{case} = \text{Char}$

C9  $t_{case} = \text{String}$