

## Write and translate Concepts



Enter concepts:

```
module Concept where
```

```
import Tuura.ConceptConcat
```

```
-- C-element with environment circuit described using signal-level concepts
```

```
circuit :: (Eq a) => a -> a -> a -> CircuitConcept a
```

```
circuit a b c = interface <> outputRise <> inputFall <> outputFall <> inputRise <> initialState
```

```
  where
```

```
    interface = inputs [a, b] <> outputs [c]
```

```
    outputRise = rise a ~> rise c <> rise b ~> rise c
```

```
    inputFall = rise c ~> fall a <> rise c ~> fall b
```

```
    outputFall = fall a ~> fall c <> fall b ~> fall c
```

```
    inputRise = fall c ~> rise a <> fall c ~> rise b
```

```
    initialState = initialise a False <> initialise b False <> initialise c False
```

Open file

Save to file

Reset to default

Translate

Cancel