SDIR Design

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Contents

1 Single state

1.1 Tasklets and Memlets


```
state_0

        A              B



           mlir_tasklet



              C
```

```
module {
    func @bar() {
        %0 = constant 1 :
            i32
        %res = sdir.foo %0 :
            i32
        return
    }
}
```
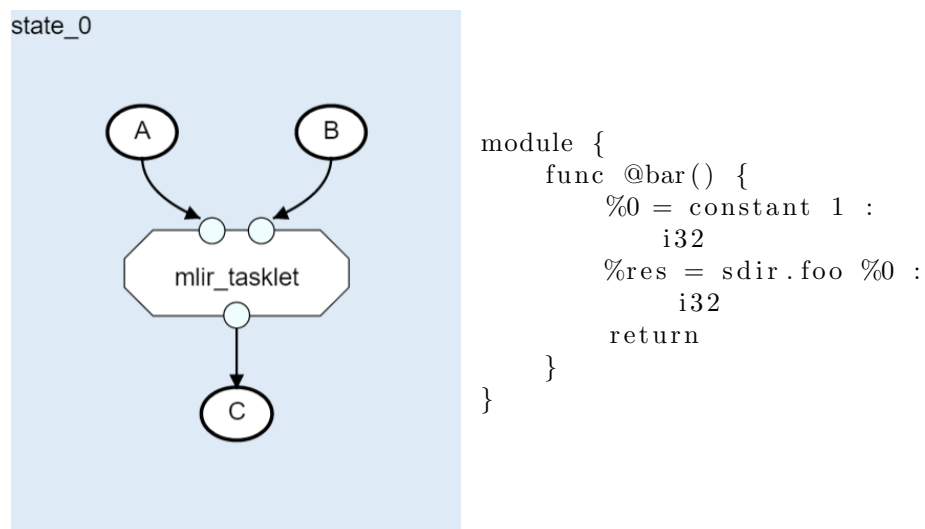
Figure 1: Three simple graphs

1.2 Library nodes

1.3 Map scopes

1.4 Streams and consume scopes

2   Multiple states

3   File compatibility