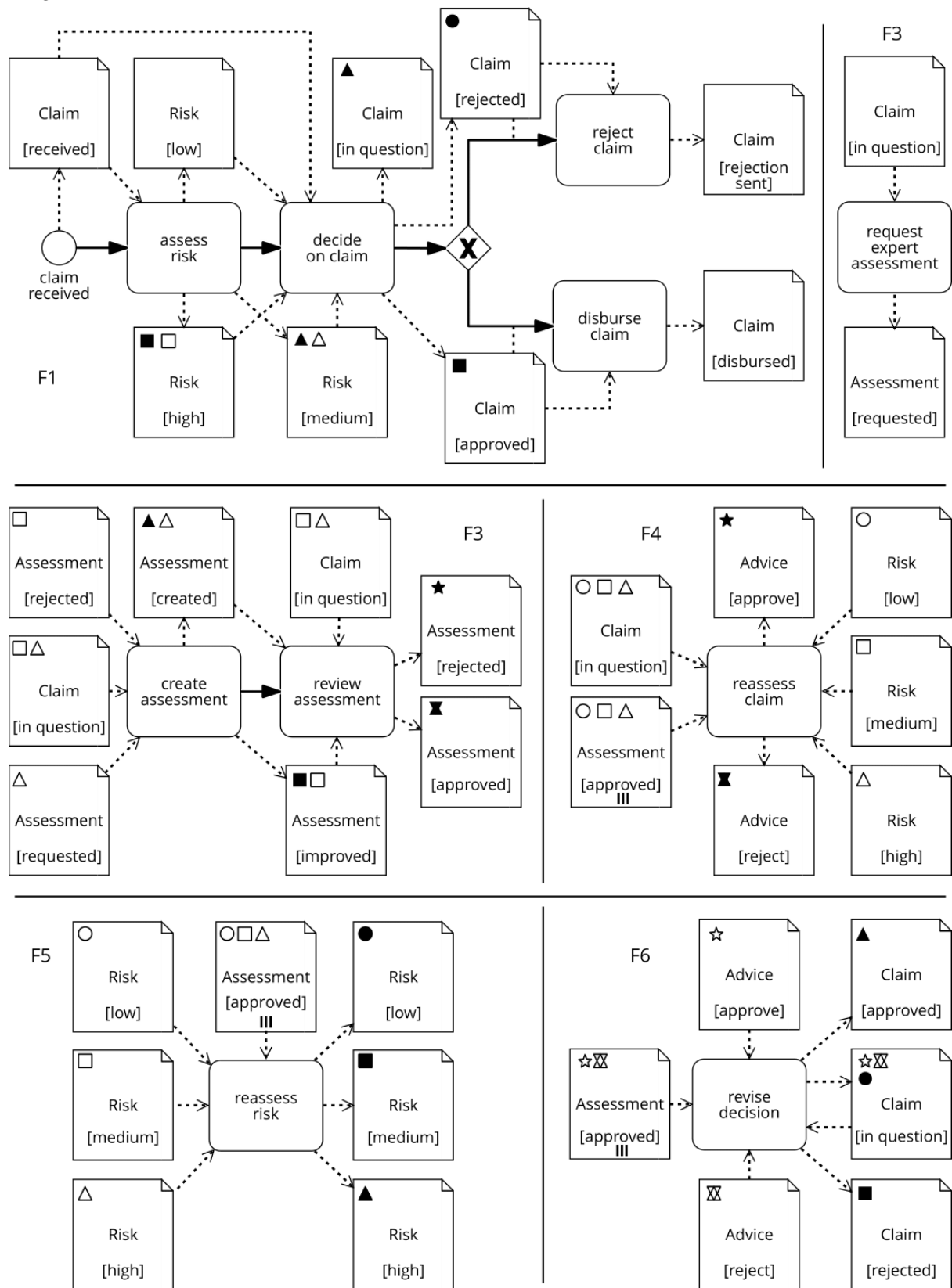When executing process models, planning is an important task. Planning is the aligning of actions so that a certain objective can be reached. In this user study, we ask you to execute a case, which is modeled in fragment-based case management (fCM). The model is displayed below. You can execute it with the provided execution engine.

During the execution, you are to reach an objective. Your objective is to reach a state, where the activity "disburse claim" can be executed. Furthermore, exactly one advice should exist. It should be to approve the claim, be based on at least four approved assessments, and be made for a low risk.
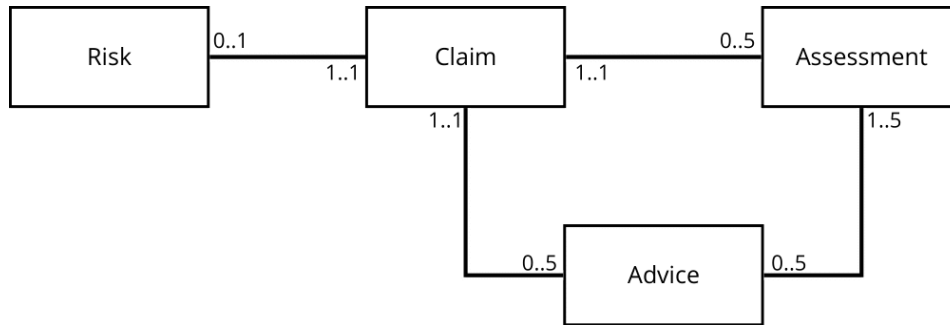You are asked to reach that state with as few activities as possible.

Additional to the execution engine, you will receive automatically-generated recommendations. A recommendation states whether the execution of an activity allows reaching the objective or not. Each activity will be marked green if it leads to the objective and red if not.

Model:
Fragments

F1

Claim [received]

Risk [low]

● Claim [in question]

▲ Claim [rejected]

reject claim → Claim [rejection sent]

claim received → assess risk → decide on claim → X

Risk [high] ■□

Risk [medium] ▲△

■ Claim [approved]

disburse claim → Claim [disbursed]

F3

Claim [in question]

request expert assessment

Assessment [requested]

F3

□ Assessment [rejected]

▲△ Assessment [created]

□△ Claim [in question]

□△ Claim [in question]

create assessment → review assessment

△ Assessment [requested]

■□ Assessment [improved]

★ Assessment [rejected]

⬟ Assessment [approved]

F4

○□△ Claim [in question]

○□△ Assessment [approved] III

★ Advice [approve]

○ Risk [low]

□ Risk [medium]

△ Risk [high]

reassess claim

⬟ Advice [reject]

F5

○ Risk [low]

○□△ Assessment [approved] III

● Risk [low]

□ Risk [medium]

△ Risk [high]

reassess risk

■ Risk [medium]

▲ Risk [high]

F6

☆ Advice [approve]

▲ Claim [approved]

☆⊠ Assessment [approved] III

⊠ Advice [reject]

revise decision

☆⊠ ● Claim [in question]

■ Claim [rejected]

Domain Model:

```
┌──────────┐  0..1      ┌──────────┐  0..5      ┌──────────────┐
│          │            │          │            │              │
│   Risk   │────────────│  Claim   │────────────│  Assessment  │
│          │      1..1  │          │      1..1  │              │
└──────────┘            └──────────┘            └──────────────┘
                         1..1                     1..5
                            │                        │
                            │                        │
                            │                        │
                    0..5  ┌──────────┐  0..5
                          │          │
                          │  Advice  │
                          │          │
                          └──────────┘
```

State Transition System:

Claim

Risk

Assessment

Advice
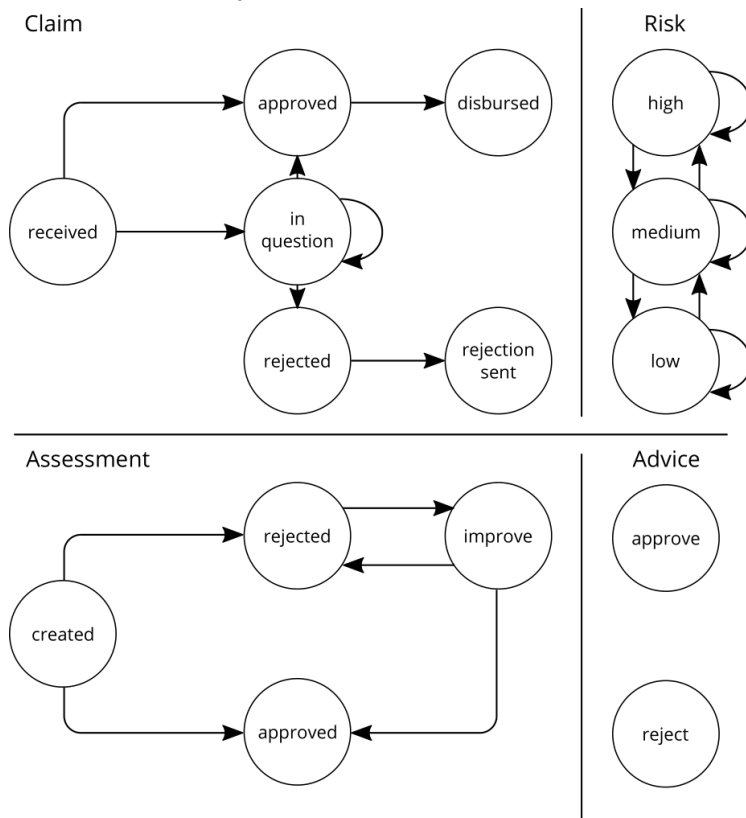
Termination Condition:
Claim[rejection sent] or Claim[disbursed]