Kevin Lopez

CIS400

2/2/23
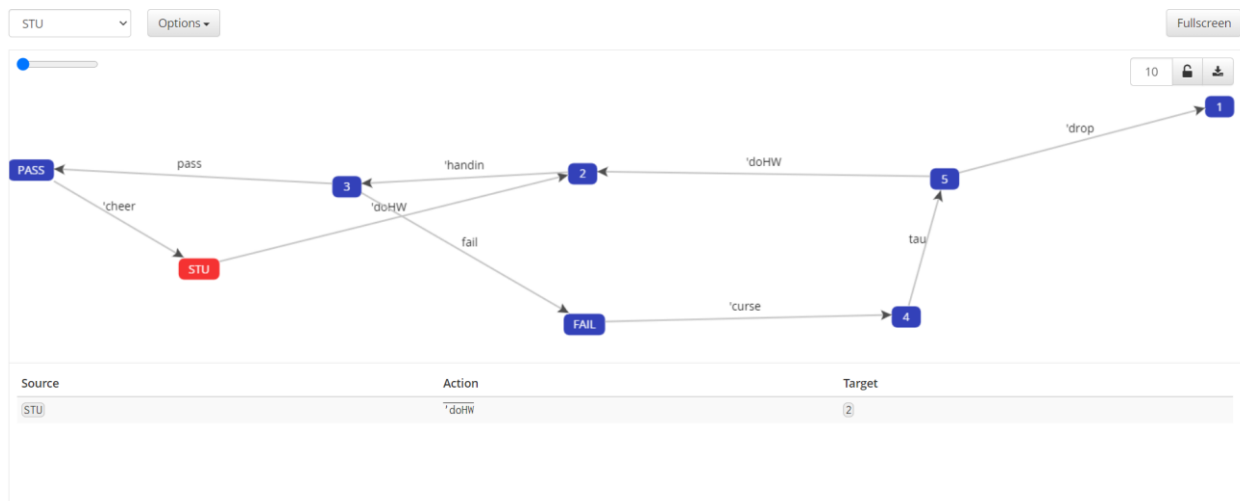
HW2

646315859
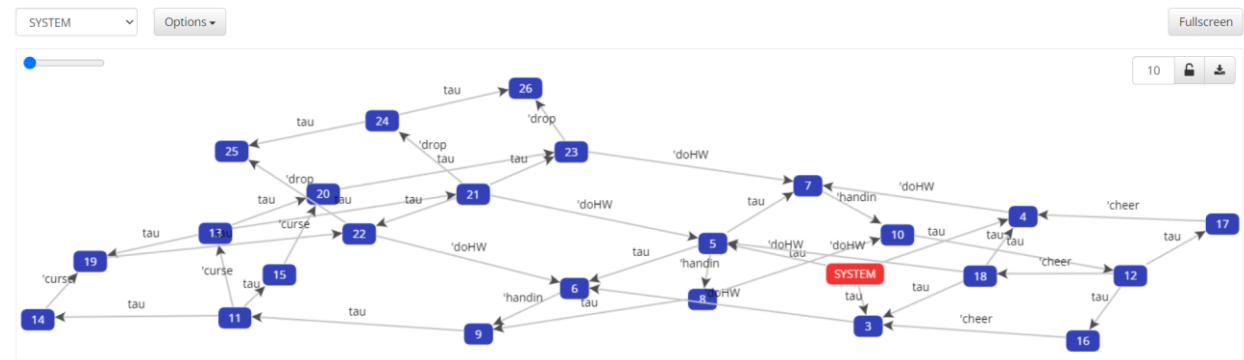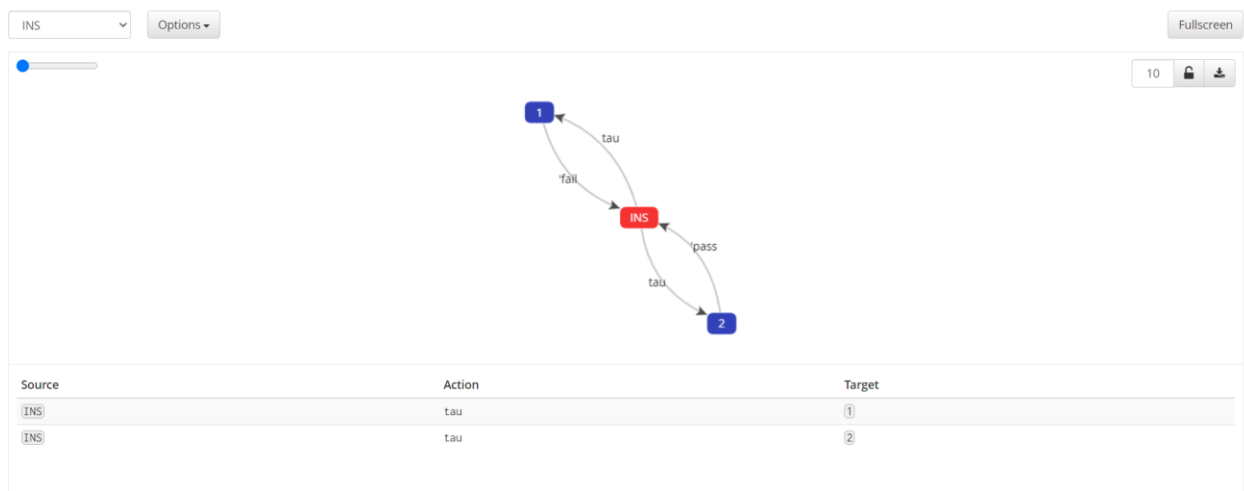
Parse | CCS | TCCS | 16

```
1  STU = 'doHW.'handin.(pass.PASS + fail.FAIL);
2  PASS = 'cheer.STU;
3  FAIL = 'curse.tau.('drop.0 + STU);
```

STU | Options ▾ | Fullscreen

Source	Action	Target
STU	'doHW	2

Parse CCS TCCS 16 ⌄

```
1  INS = tau.'pass.INS + tau.'fail.INS;
```

INS ⌄   Options ▾   Fullscreen

10 🔒 ⬇

Source	Action	Target
INS	tau	1
INS	tau	2

SYSTEM ⌄   Options ▾   Fullscreen
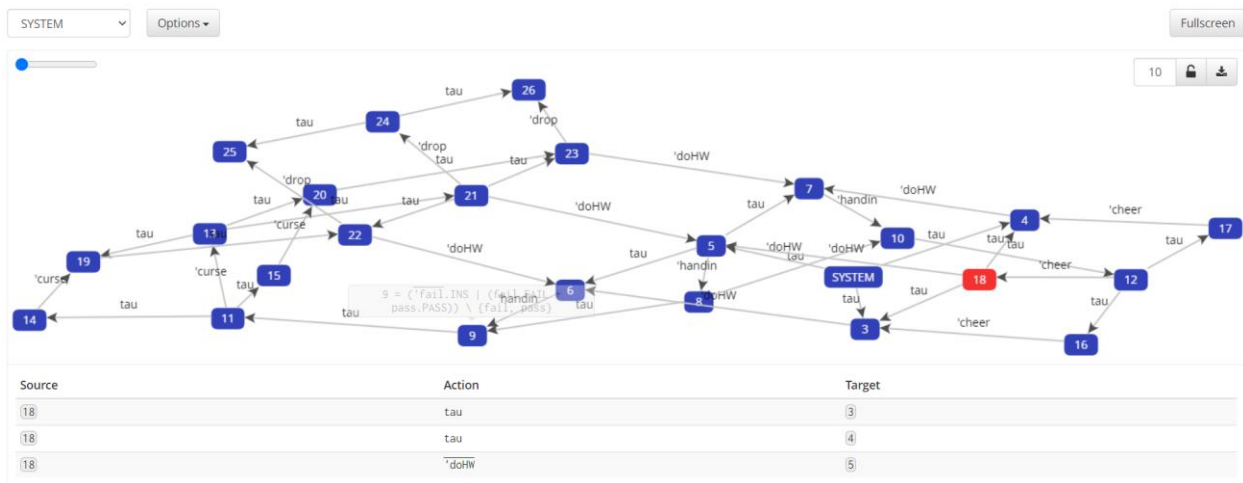
10 🔒 ⬇

3ci) 26 distinct states

3cii) 3 states

3ciii) 8 states

3civ) This has two states from INS which are tau actions to pass or fail the student. The one action stemming from STU is used to do the homework itself. This means that the student is always going to do homework while the instructor is internally deciding whether or not to pass or fail the student.

3cv) This is node 18 and its seen by this picture:

Source	Action	Target
18	tau	3
18	tau	4
18	'doHW	5

This is (INS|STU)\{pass,fail} and corresponds to a new instance of the beginning action