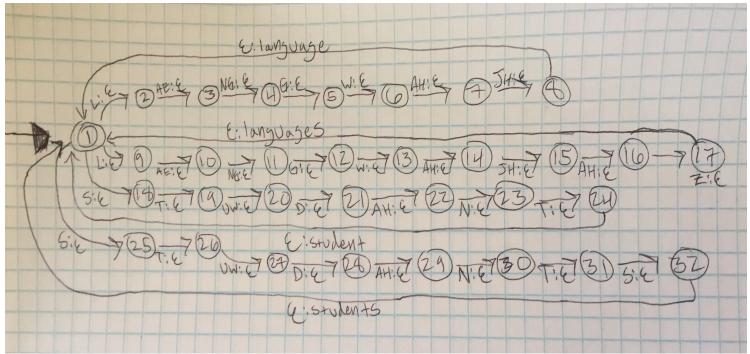
## 1. Drawn FST:



 Code needed to run the scenario of both being epsilon: run(State, In, Out):transition(State, eps, NextState, eps), run(NextState, In, Out).

3. Values of W I received:

```
W = ["ai", "scream"]
W = ["aye", "scream"]
W = ["eye", "scream"]
W = ["i", "scream"]
W = ["ice", "cream"]
W = ["ice", "creme"]

Code for confuse predicate:
confuse(X, Y) :-
    run(State, Z, X),
    run(State, Z, Y),
```

X = Y.

My observations for running my confuse code with ["computational", "linguistics"] was that there was a large amount of arguments that had the same pronunciation. In fact, there were so many that I could not reach the end of the data. Some examples of the pronunciations I viewed were:

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- A = ["com", "pew", "tay", "shun", "uhl", "lingg", "wyss", "ticks"]
- A = ["com", "peugh", "tae", "shun", "ul", "lingg", "wiss", "ticks"]
- A = ["calm", "pute", "ay", "shun", "uhl", "lingg", "wyss", "ticks"]
- A = ["computational", "lingg", "wiss", "ticks"]