

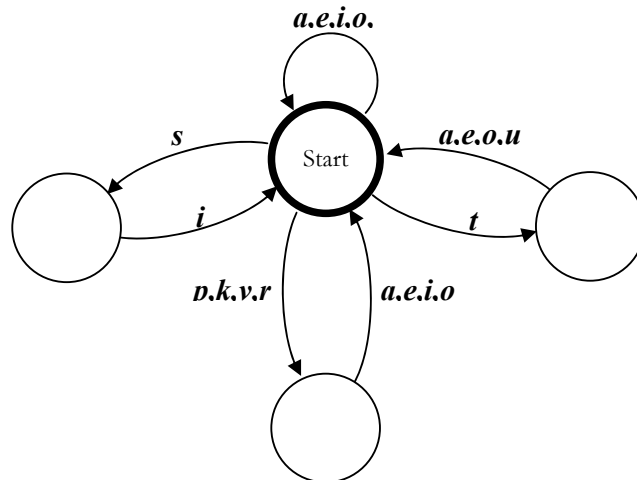
(I) aw-TOM-uh-tuh

I1. Identify possible Rotokas words.

Possible: *iu, oire, urioo, raorao, uaia*

Impossible: *idau, uente, voav, oratreopaveiepa*

I2. Specify path labels so that exactly half of the words below succeed.



oisio
uasau
puapuata

tiravau
usta
sisigarue

saiuu
sioparoia
porouativeve

kotoe
parauos
aasiia

I3. Why do *t* and *s* get their own edges? What is special about these letters?

The letters *t* and *s* have restrictions on their use before vowels, which makes them different from the other consonants. We can use *s* only before *i*; for example, “sisigarue” is a valid word, whereas “uasau” is invalid. Furthermore, we cannot use *t* before *i*, which means that we can use it only before *a*, *e*, *o*, and *u*; for example, “kotoe” is a valid word, whereas “tiravau” is invalid.

This observation implies a special relationship between *t* and *s*; in fact, it suggests that these two sounds are the same on an abstract level, although their pronunciation and spelling depends on the following vowel.