

Corresponds to lecture 2 on the syllabus

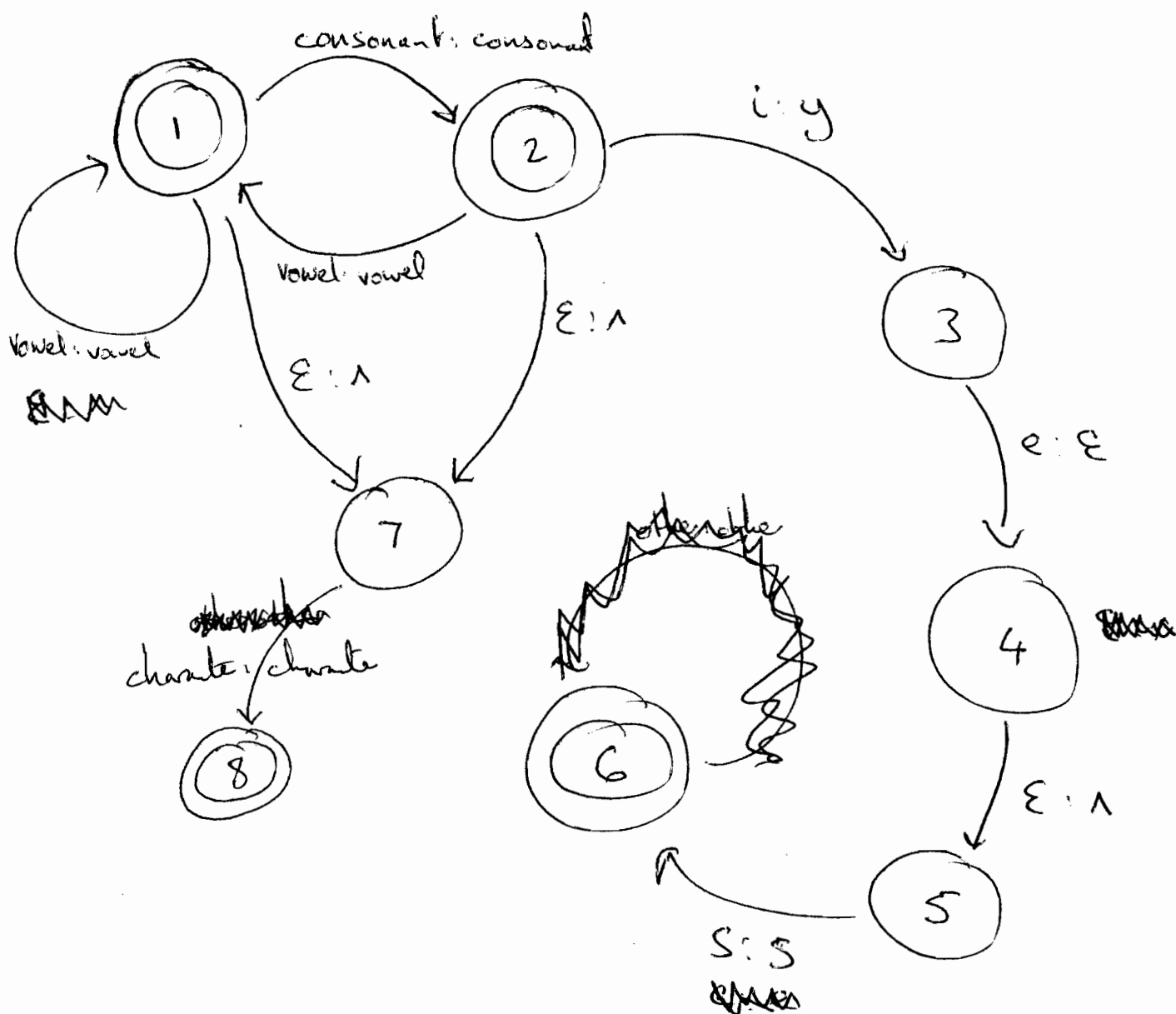
(a)

- (i) morpheme is the minimal information carrying unit
- ii) affix is a morpheme that cannot occur alone i.e., without a stem

(b) see hand-drawn FST

(c) the FST might be simply extended by adding states after 5 to correspond to the affix 'ed' (or, more generally, by adding e:e to the 5 to 6 transition and putting a loop on 6). However, the correct formulation depends on the other FSTs in the system: there should be a separate FST for 'e-deletion' operating in parallel with this FST.

b)



surface : underlying

ε is empty character

^ is affix boundary

⊙ accept state

convention is that no characters can be 'left over'