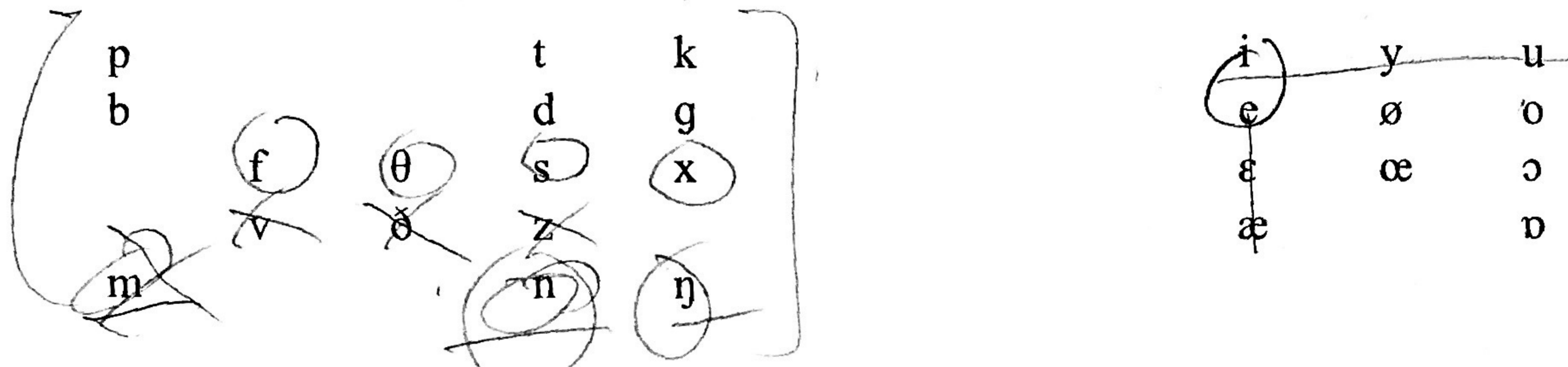


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Week 2 quiz

6.5 / 10

Here is a phoneme inventory for an imaginary language:



1. What is the set of phonemes above that are [+ sonorant, - approximant, - labial] ?

✓ [n], [ŋ]

2. Write the narrowest feature matrix which picks out {f, θ, x} from inventory above.

- | [+continuant]
 - voice
 - alveolar
 This is not a formal feature. You need [-strident] to exclude /s/

3. Combine these two rules into a single rule, using features (assume the same phoneme inventory above)

ø → y / ___ {s, z} e → i / ___ {s, z}

- | [+anterior]
 [-high] → [+high]
 [+front]
 [-round]
 ø is [+round]
 [+anterior]
 [-distributed]
 [+continuant]

When you write your rule, you should be able to make sure that you don't predict:

o → u / ___ {s, z}

4. Write the following rule as a sentence: /s, z/ → [t] / ___ #

You just needed to write a sentence

✓ [+anterior] → [-distributed]
 [+continuant]
 [-sonorant]
 [-voice]
 [-delayed release]
 but this is more than that!

5. Write the following sentence as a rule: voiceless stops become voiced after nasals.

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