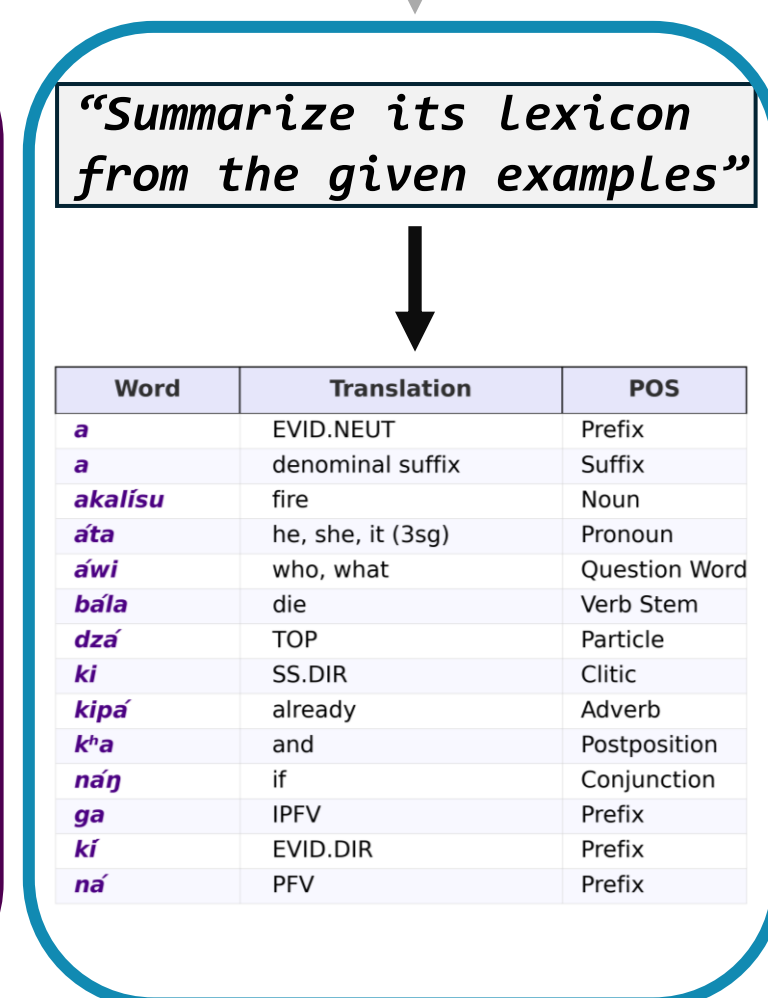
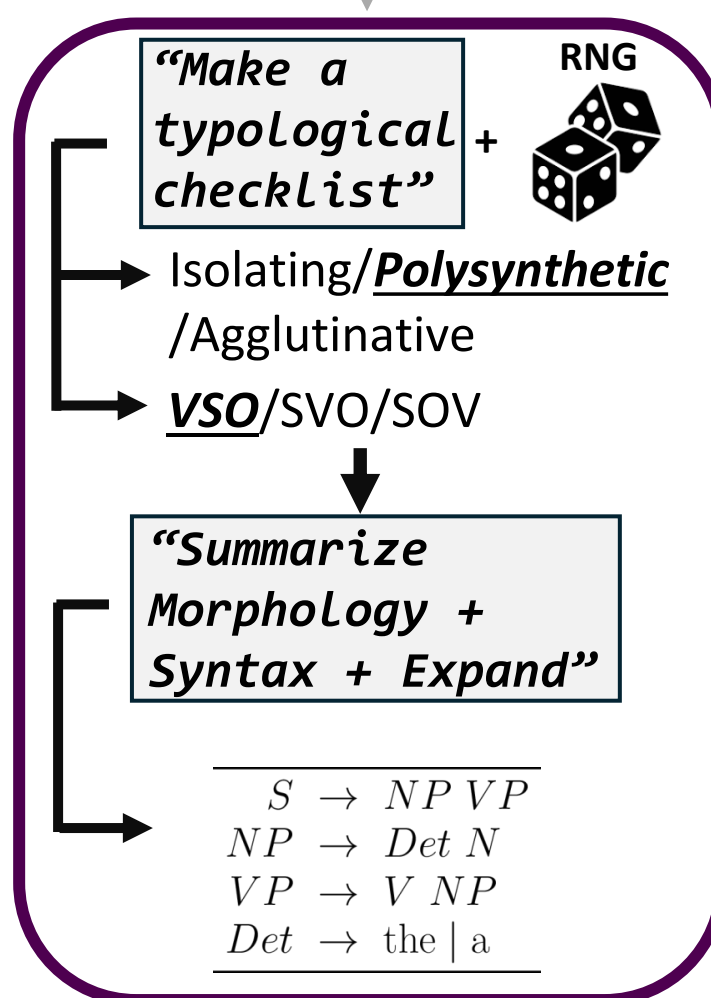
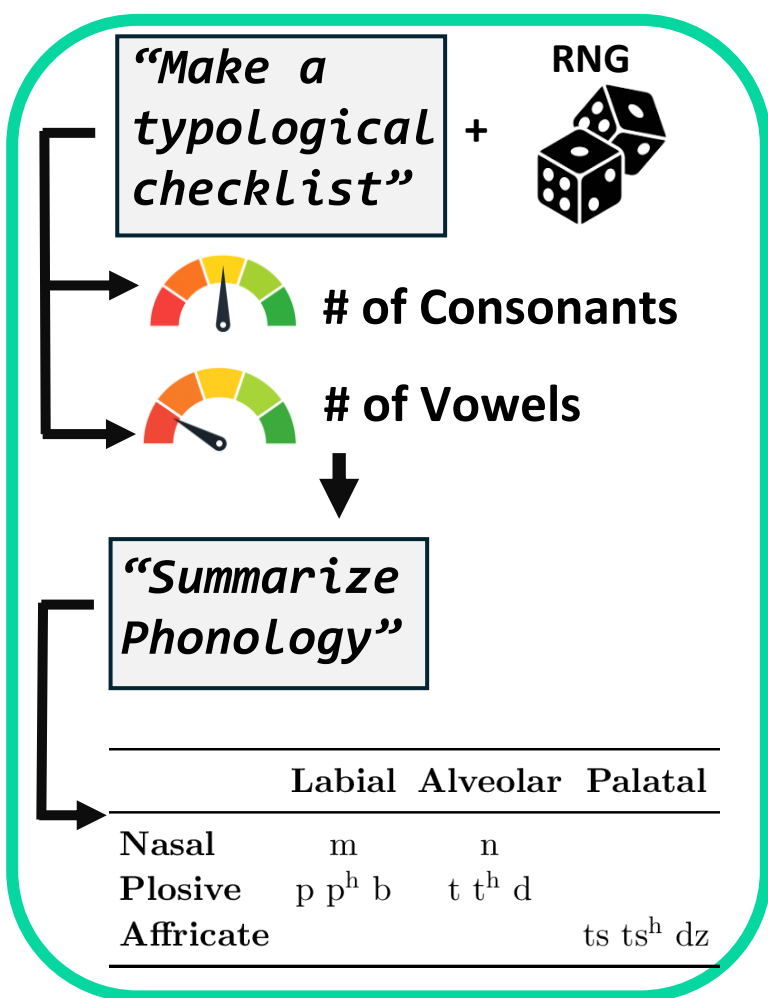


# Language Sketch



New words:  
**dzáwali** → language

New grammar rules:  
...

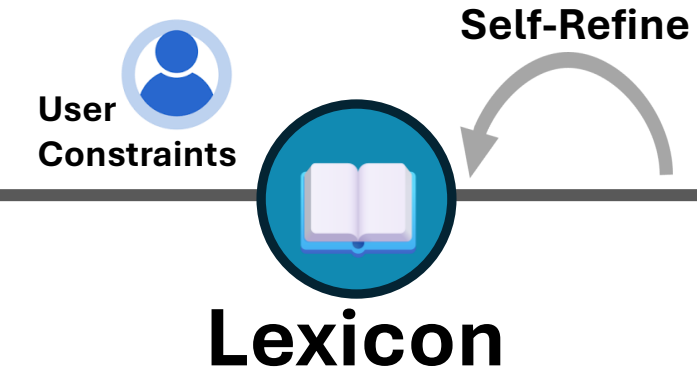
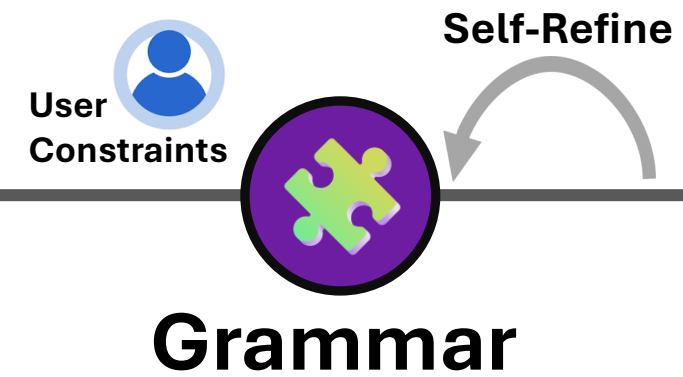
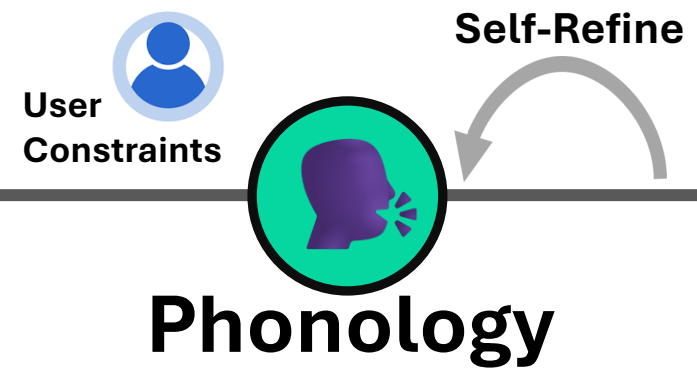
*every language-INTR*  
*EVID.NEUT-IPFV-*  
*be\_a\_world-3SG.INTR*  
*he/she/it-INTR.*

*“p<sup>h</sup>án dzáwali-li*  
*a-ga-galúnta-mi*  
*áta-li”*

Self-Refine

## Translation

“Every language is a world”



Language Sketch

“Make a typological checklist”

RNG

# of Consonants

# of Vowels

“Summarize Phonology”

	Labial	Alveolar	Palatal
Nasal	m	n	
Plosive	p p <sup>h</sup> b	t t <sup>h</sup> d	
Affricate			ts ts <sup>h</sup> dz

“Make a typological checklist”

RNG

Isolating/*Polysynthetic*

/Agglutinative

*VSO*/SVO/SOV

“Summarize Morphology + Syntax + Expand”

$$\begin{aligned} S &\rightarrow NP VP \\ NP &\rightarrow Det N \\ VP &\rightarrow V NP \\ Det &\rightarrow the \mid a \end{aligned}$$

“Summarize its lexicon from the given examples”

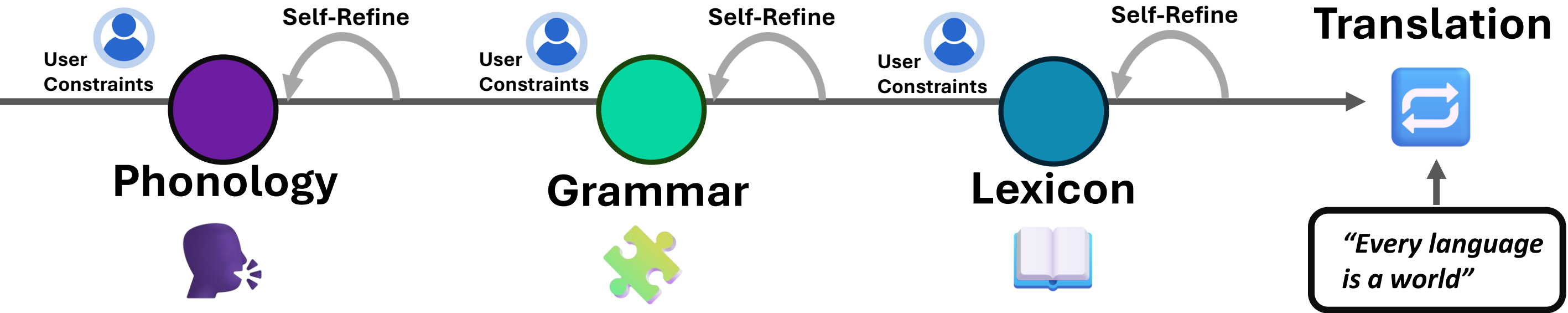
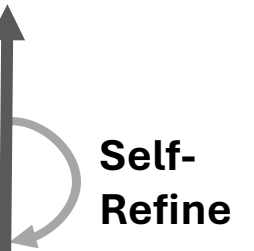
Word	Translation	POS
<i>a</i>	EVID.NEUT	Prefix
<i>a</i>	denominal suffix	Suffix
<i>akalísu</i>	fire	Noun
<i>áta</i>	he, she, it (3sg)	Pronoun
<i>áwi</i>	who, what	Question Word
<i>bála</i>	die	Verb Stem
<i>dzá</i>	TOP	Particle
<i>ki</i>	SS.DIR	Clitic
<i>kipá</i>	already	Adverb
<i>k<sup>h</sup>a</i>	and	Postposition
<i>náŋ</i>	if	Conjunction
<i>ga</i>	IPFV	Prefix
<i>kí</i>	EVID.DIR	Prefix
<i>ná</i>	PFV	Prefix

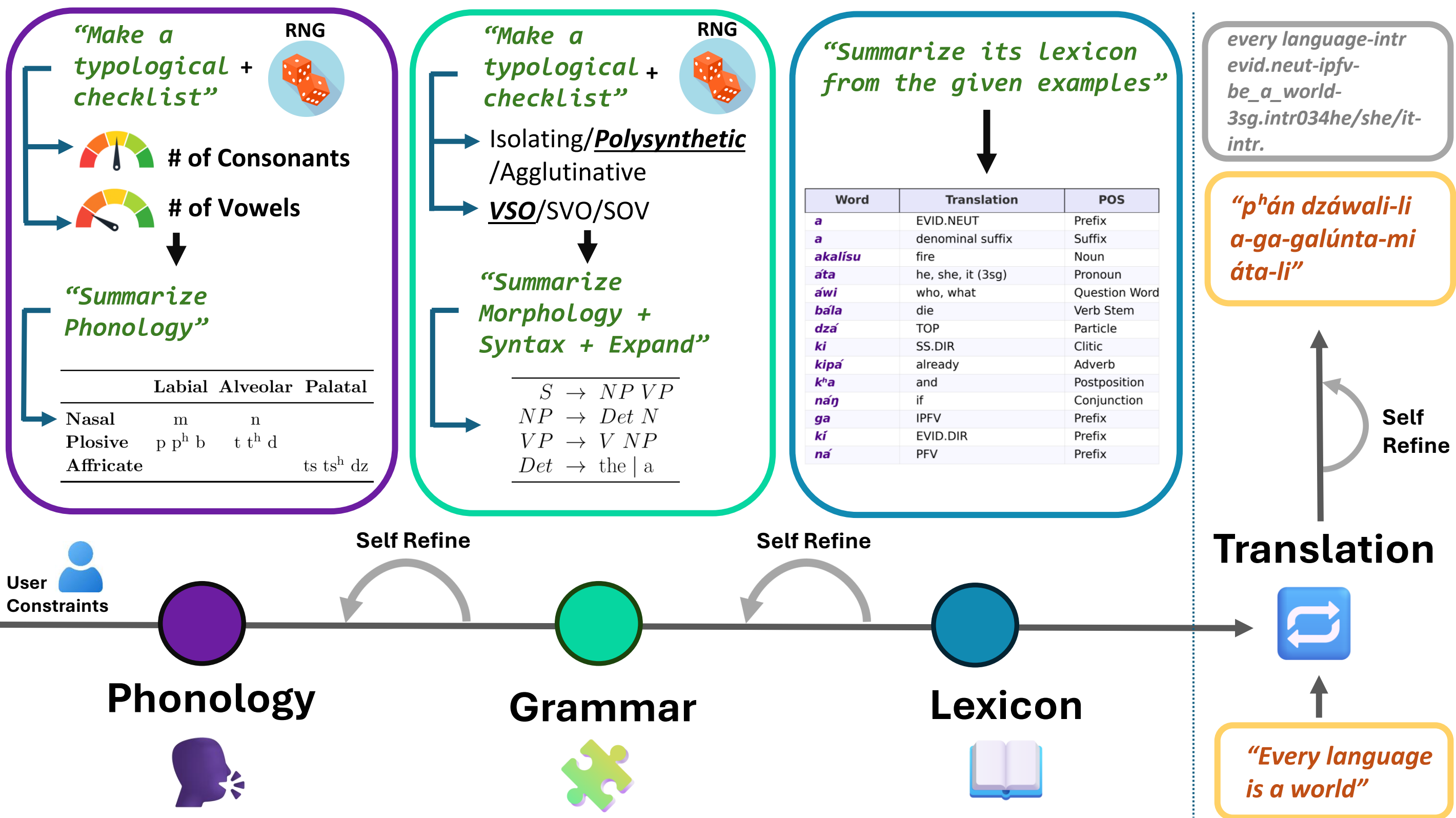
New words:  
*dzáwali* → language


New grammar rules:  
...

*every language-INTR*  
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*he/she/it-INTR.*

*“p<sup>h</sup>án dzáwali-li*  
*a-ga-galúnta-mi*  
*áta-li”*





“Make a typological + checklist” 


# of Consonants

# of Vowels

↓

“Summarize Phonology”

	Labial	Alveolar	Palatal
Nasal	m	n	
Plosive	p p <sup>h</sup> b	t t <sup>h</sup> d	
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“Make a typological + checklist” 

Isolating/*Polysynthetic*  
/Agglutinative

VSO/SVO/SOV

↓

“Summarize Morphology + Syntax + Expand”

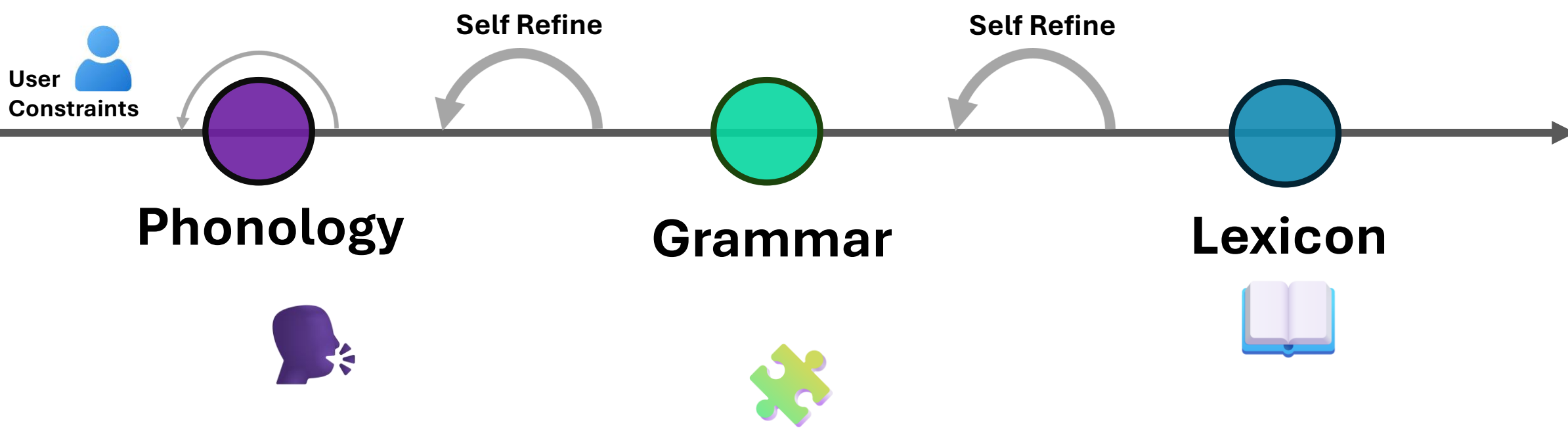
$$\begin{aligned} S &\rightarrow NP VP \\ NP &\rightarrow Det N \\ VP &\rightarrow V NP \\ Det &\rightarrow the \mid a \end{aligned}$$

“Summarize its lexicon from the given examples”

↓

Word	Translation	POS
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<i>kí</i>	EVID.DIR	Prefix
<i>ná</i>	PFV	Prefix

“Every language is a world”



Translation 

“p<sup>h</sup>án dzáwali-li  
a-ga-galúnta-  
mi áta-li”









User Constraints



Phonology





Grammar




Lexicon

Translation


**“Make a typological + checklist”** RNG 

# of Consonants 

# of Vowels 

**“Summarize Phonology”**

	Labial	Alveolar	Palatal
Nasal	m	n	
Plosive	p p <sup>h</sup> b	t t <sup>h</sup> d	
Affricate			ts ts <sup>h</sup> dz

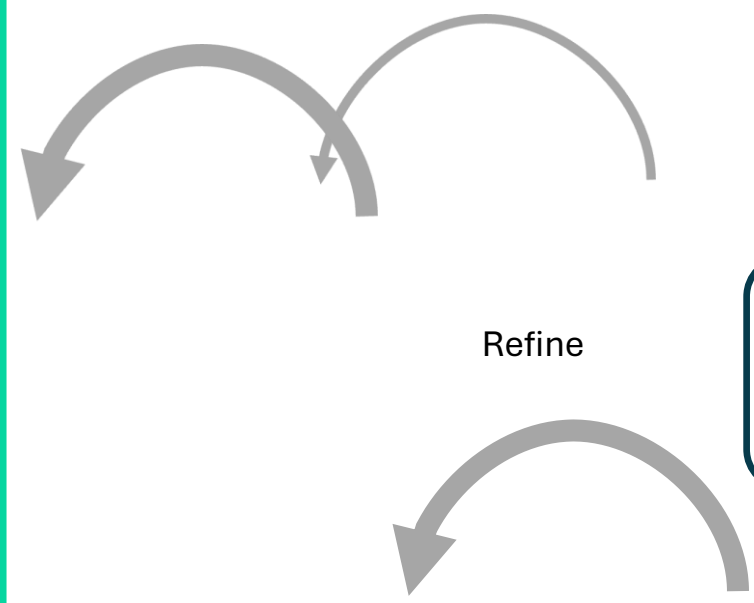
**“Make a typological + checklist”** RNG 

Isolating/Agglutinative/Polysynthetic

SVO/VSO/SOV

**“Summarize Morphology+Syntax +Expand”**

<i>S</i>	→ <i>NP VP</i>
<i>NP</i>	→ <i>Det N</i>
<i>VP</i>	→ <i>V NP</i>
<i>Det</i>	→ the   a
<i>N</i>	→ cat   dog
<i>V</i>	→ chased   saw



*“p<sup>h</sup>án dzáwali-li  
a-ga-galúnta-mi  
áta-li”*



*“Every language  
is a world”*



**RNG**



## # of Consonants



## # of Vowels

*“Summarize  
Phonology”*

	Labial	Alveolar	Palatal
Nasal	m	n	
Plosive	p p <sup>h</sup> b	t t <sup>h</sup> d	
Affricate			ts ts <sup>h</sup> dz



**RNG**

# Isolating/Agglutinative/ Polysynthetic SVO/VSO/SOV

“Summarize  
Morphology+Syntax  
+Expand”

$S$	$\rightarrow NP VP$
$NP$	$\rightarrow Det N$
$VP$	$\rightarrow V NP$
$Det$	$\rightarrow \text{the} \mid \text{a}$
$N$	$\rightarrow \text{cat} \mid \text{dog}$
$V$	$\rightarrow \text{chased} \mid \text{saw}$


*“Summarize its lexicon from the given examples”*



Word	Translation	POS
<b>a</b>	EVID.NEUT	Prefix
<b>a</b>	denominal suffix	Suffix
<b>akalísu</b>	fire	Noun
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<b>kipá</b>	already	Adverb
<b>k<sup>h</sup>a</b>	and	Postposition
<b>náj</b>	if	Conjunction
<b>ga</b>	IPFV	Prefix
<b>kí</b>	EVID.DIR	Prefix
<b>ná</b>	PFV	Prefix



“Make a typological + checklist”

RNG


# of Consonants

# of Vowels

“Summarize Phonology”

	Labial	Alveolar	Palatal
Nasal	m	n	
Plosive	p p <sup>h</sup> b	t t <sup>h</sup> d	
Affricate			ts ts <sup>h</sup> dz

“Make a typological + checklist”

RNG

Isolating/Agglutinative/Polysynthetic

SVO/VSO/SOV

“Summarize Morphology+Syntax +Expand”

S	→ NP VP
NP	→ Det N
VP	→ V NP
Det	→ the   a
N	→ cat   dog
V	→ chased   saw

“Summarize its lexicon from the given examples”

lexicon

Word	Translation	Part of Speech	Notes
a	EVID.NEUT (neutral evidential)	Prefix	unaccented verbal prefix
a	denominal suffix	Suffix	creates verb from noun
akalisu	fire	Noun	vowel-final stem
ata	he, she, it (3sg)	Pronoun	also a preposition 'for the...
awi	who, what	Question Word	fronted in wh-questions; in...
bala	die	Verb Stem	intransitive verb stem bala-
dza	TOP (topic marker)	Particle	cliticizes to the end of a ...
ki	SS.DIR (same-subject)	Clitic	direct evidence
kipa	already	Adverb	
ka	and	Postposition	coordinating postposition; ...
naŋ	if	Conjunction	
ga	IPFV (imperfective aspect)	Prefix	unaccented verbal prefix
ki	EVID.DIR (direct evidential)	Prefix	inherently accented; verbal...
na	PFV (perfective aspect)	Prefix	inherently accented; verbal...
tsu	EVID.REP (reported/inferred evidential)	Prefix	inherently accented; verbal...

