

Problem 4.

1. Verb stems:

- V_i (intransitive): **badza-** *get spoiled*, **dfa-** *fall*, **sna-** *know*
- V_t (transitive): **difa-** *hide*, **kata-** *help*, **ksa-** *catch*, **ghala-** *steal*, **ya-** *give birth to*

2. Verb structure:

	present	past	
V_i	$\boxed{\text{STEM}} - \boxed{S}$ 'S V_i -s'	$\boxed{\text{STEM}} - \boxed{\text{STEM}} - \boxed{S}$ 'S V_i -ed'	
V_t	$\boxed{\text{STEM}} - \boxed{S}$ 'S V_t -s it/them'	$\boxed{\text{STEM}} - \boxed{O} - \boxed{\text{STEM}} - \boxed{S}$ 'S V_t -ed O'	
	1st person	2nd person	3rd person
singular	$-\cancel{a} \rightarrow i$	-ka (S) -gha (O)	\emptyset
plural	-mu	-kuni (S) -ghuni (O)	-xən (S, V_t) \emptyset (otherwise)

$$\left[\begin{array}{l} V_i, S = \text{plural} \\ V_t, O = \text{plural} \end{array} \right] : \quad \boxed{\text{STEM}} \Rightarrow \begin{cases} \mathbf{CV}(\dots) \rightarrow \mathbf{CVCV}(\dots) \\ \mathbf{C}_1 \mathbf{C}_2 \mathbf{V}(\dots) \rightarrow \mathbf{C}_1 \mathbf{a} \mathbf{C}_2 \mathbf{V}(\dots) \end{cases}$$

(C: consonant; V: vowel.)

- (a) 1. *I caught you* (SG)
 2. *we helped you* (PL)
 3. *they helped it*
 4. *it gets spoiled*
- (b) 5. **kasaghunikasa**
 6. **difamu**
 7. **dadadadfa**
 8. **yayayayaxən**
 9. **ghaghaghaghaghalaka**
 10. **snasni**