Leveraging Principal Parts for Morphological Inflection

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https://github.com/LINGuistLIU/principal parts for inflection ()

			tatform		
Lexeme3	Lexeme2	Lexeme1	D	MSD	D
pukpok	bayad	pahinga	CANONICAL	V;CAI	
manumukpok	magbabayad		GFOC;LGSPEC1	V;AGI	
namumukpok	nagbabayad	?	PFV;AGFOC	V;IPF	
pinupukpok	binabayaran	*	PFV;PFOC	V;IPF	
pukpok	bayad	pahinga	IFIN	V;NFI	
pupukpukin	babayaran	*	FOC;LGSPEC1	V;PFC	
namukpok	# totansal	1880 ahis g 2	FV19676Form2	Solver	B k
pinukpok	binayaran	*	FV;PFOC	V;PFV	



tgtform



Results: 1-src/2-src vs best performance of all baselines

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srcform srcmsd # tgtmsd

Use each pair of given slots in the same paradigm to predict the target form Pick out best prediction by average log-likelihood/majority vote

- Training data < 2k
- 16 dev languages
- 15 surprise languages

orm msd # tgtmsd			
msd # tgtmsd			
msd # tgtmsd			
?			
? saz + tg) isd	verage log-likelihood / Majority vote	Final Prediction	
sd2 # tgtmsd			
sd2 # tgtmsd	Pick out best prediction		

