

- yields policies with **learned generation orders**.

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NON-MONOTONIC SEQUENTIAL TEXT GENERATION

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GITHUB.COM/WELLECKS/NONMONOTONIC_TEXT



endency	Oracle	%Unique	Bleu	
	left-right	17.8	47.0	
	uniform	98.3	40.0	
	annealed	93.1	56.2	
PUNCT	validation	97.0	_	
t are you d my nails d r eye under otwork . ou ?	loing ? ^{there} `, lone . cwater	i should be \ !		
ve a snake u ?	. i wish '	``````````? you _/do		
also snow ust relaxing	g,	_ uo \ though		

Initial Tree	Samples
food ∕ ∖ favorite !	 lasagna is my favorite food ! my favorite food is mac and cheese ! what is your favorite food ? pizza , i love it ! whats your favorite food ? mine is pizza ! seafood is my favorite . and mexican food ! what is yours ?
/ hello \ music	 hello ! i like classical music . do you ? hello , do you enjoy playing music ? hello just relaxing at home listening to fine music . you ? hello , do you like to listen to music ? hello . what kind of music do you like ?

dation			Test E1	
FI		DLEU	F I	
.910	0.230	46.3	0.903	0.208
.968	0.209	44.3	0.960	0.197
.960	0.230	46.0	0.950	0.212

Word Reordering (LSTM Policy)

0 n			Test		
YiSi	Ribes	BLEU (BP)	Meteor	YiSi	Ribes
69.41	84.80	28.00 (1.00)	30.10	65.22	82.29
66.40	82.66	21.40 (0.86)	26.40	62.41	80.00
67.88	83.61	23.30 (0.91)	27.96	63.38	80.91
68.43	84.36	24.30 (0.91)	28.59	63.87	81.64
68.81	83.51	24.60 (1.00)	29.30	64.18	80.53

Machine Translation (IWSLT De-En, Transformer Policy)