$speech 2 signs\ NMT$

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1	Requirements	
	• python 3.5+	
	• pytorch 0.2.0	
	• tqdm	
	• numpy	
	• Some Moses tools: (already in the repository)	
	- tokenizer.perl	
	- multi-bleu.perl	

2 Usage

There are two types of .sh files. The ones that work with:

ullet a big portion of the database for the validation and test

• a smaller and efficient portion of the database as validation and test. The "0.045" files.

The best results were given with the second kind, so the next commands will use just these files.

2.1 Step 1. Pre-process the data

2.2 Step 2. Train the model

2.3 Step 3. Test the model / Translate

```
1 ./test_0.045.sh
2
3  ## That is the same as
4  # srun - c 1 --mem 8G --gres=gpu:1,gmem:12G python translate.py -model

→ weights/aslg-pc12_0.046.trained.chkpt -vocab

→ data/ASLG-PC12/aslg-pc12_0.046.atok.low.pt -src

→ data/ASLG-PC12/ENG-ASL_test_0.046.en.atok
```