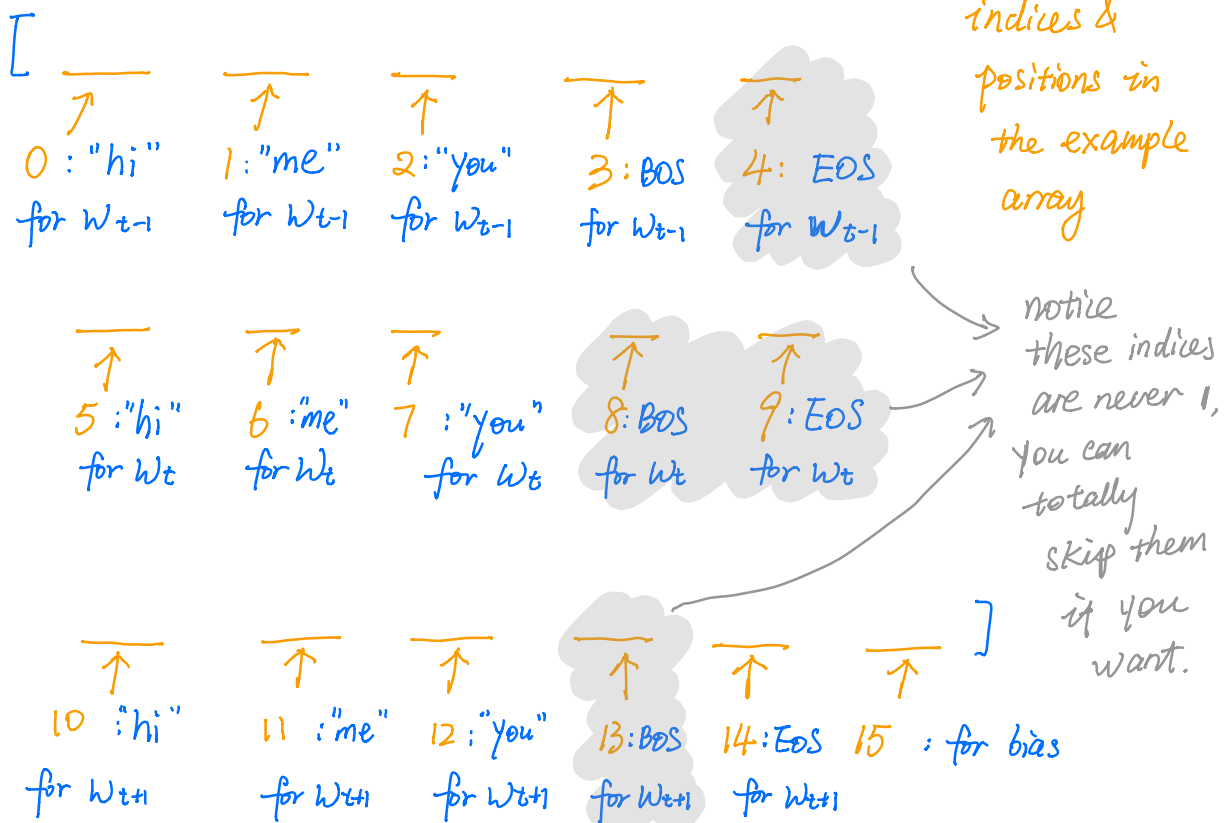Example sentence 1:   " Hi me "
Example sentence 2:   " Hi you"

vocab: "hi" "me" " you" (BOS) (EOS)

one possible way to represent each example $x^{(i)}$
(purely OPTIONAL, feel free to implement it in
your own way ⇒ ENCOURAGED!!)

● orange marker:
indices &
positions in
the example
array

[

0 : "hi"   1 : "me"   2 : "you"   3 : BOS   4 : EOS
for W_{t-1} for W_{t-1} for W_{t-1} for W_{t-1} for W_{t-1}

5 : "hi"   6 : "me"   7 : "you"   8 : BOS   9 : EOS
for W_t for W_t for W_t for W_t for W_t

10 : "hi"   11 : "me"   12 : "you"   13 : BOS   14 : EOS   15 : for bias
for W_{t+1} for W_{t+1} for W_{t+1} for W_{t+1} for W_{t+1}

]

notice
these indices
are never 1,
you can
~~totally~~
skip them
if you
want.

Example 1:   "hi" in Sentence 1:

[0 0 0 1 0 1 0 0 0 0 0 1 0 0 0 1]
            ↓   ↓"hi"   ↓   ↓
           BOS   for W_t "me"   bias
         for W_{t-1} for W_{t+1}

Example 2:   "me" in Sentence 1:

[1 0 0 0 0 0 1 0 0 0 0 0 0 0 1 1]
      ↓   ↓   ↓   ↘ bias
   "hi" for   "me" for   EOS for
   W_{t-1} W_t W_{t+1}

Example 3:   "hi" in Sentence 2:

[0 0 0 1 0 1 0 0 0 0 0 0 1 0 0 1]
        ↓   ↓"hi"   ↓   ↓
      BOS for for W_t "you"   bias
      W_{t-1} for W_{t+1}

Example 4:   "you" in Sentence 2:

[1 0 0 0 0 0 0 1 0 0 0 0 0 0 1 1]
    ↓   ↓   ↓   ↘
 "hi" for   "you"   EOS   bias
 W_{t-1} for W_t for W_{t+1}