



How to use these token cutouts

These pages contain the text *Where Is the Green Sheep?* by Mem Fox and Judy Horacek. Each **cutout** shows a **next word** paired with the **previous word** that came immediately before it in the original text.

Model vitals	
224 tokens	1.12 bits/token entropy
2.2 perplexity	1.74 branching factor

Anatomy of a cutout



previous word *next word*

Every distinct word has its own colour. **Previous** words appear inside a coloured box (the word’s own colour as the background, with white text); the free-standing **next word** appears in plain coloured text. The same word always wears the same colour, whether you see it inside a box or free-standing. Two unrelated words can occasionally share a colour, so always verify the word itself matches—not just the colour.

Setup

Cut out the tokens along the dotted lines and **spread them out** face-up on the table, with no overlap if possible. This is the “training” step: every (previous, next) combination from the original text is now a physical cutout sitting on your table.

How to play: the matching game

To generate text, repeatedly find a cutout whose **previous word** matches the last word you’ve written, then **write its next word** onto your page. The word you just wrote becomes part of what you’ll match against next—that’s the chain.

Worked example

Step 1. Pick any cutout to begin—say this one—and copy its previous word *and* its next word onto your page.

Step 2. Look at the last word you've written (*is*) and find a cutout whose previous word matches it. Write its next word.

Step 3. Repeat: find a cutout whose previous word matches the last word you've written, and add its next word.

Keep going—write as much or as little as you like.

the cutout



your page

here is

here is **the**

here is the **blue**

Pick from many candidates by eye. The more cutouts share the same previous word, the more often your eye lands on one—that's **weighted sampling** for free, and it's why some words follow others more often in your text.

Put the cutout back after using it—removing it would change the model's distribution next time round.

Use colour as a fast filter. Scan by the rightmost previous-word box's colour first, then verify the actual word matches.

here **here** is **is** the **the** blue **blue** sheep **sheep** .

. and **and** here **here** is **is** the **the** red **red** sheep

sheep . **.** here **here** is **is** the **the** bath

bath sheep **sheep** . **.** and **and** here **here** is

is the **the** bed **bed** sheep **sheep** . **.** But

But where **where** is **is** the **the** green

green sheep **sheep** ? **?** here **here** is **is** the

the thin **thin** sheep **sheep** , **,** and **and** here

here is **is** the **the** wide **wide** sheep **sheep** .

. here **here** is **is** the **the** swing **swing** sheep

swings sheep the swings is the here is here

sheep wide sheep the wide is the here is

and here and sheep thin sheep the thin

is the here is here sheep ? sheep ? green sheep

the green is the where is But where

But sheep bed sheep the bed is the

here is and here and sheep bath sheep

the bath is the here is here sheep

red sheep the red is the here is and here and

sheep blue sheep the blue is the here is here

sheep . and and here here is is the the slide

slide sheep sheep . But But where where is

is the the green green sheep sheep ? ? here

here is is the the up up sheep sheep , and

and here here is is the the down down sheep

sheep . here here is is the the band

band sheep sheep . and and here here is

is the the clown clown sheep sheep . But

But where where is is the the green

green sheep sheep ? ? here here is is the

is the here is ? here ? sheep ? green sheep

the green is the where is But where

But sheep . clown sheep the clown is the

here is and here and sheep . band sheep

the band is the here is here sheep .

down sheep the down is the here is and here

, and sheep , up sheep the up is the here is

? here ? sheep ? green sheep the green is the

where is But where But sheep . slide sheep

the slide is the here is and here and sheep .

the near near sheep **sheep** . and and here

here is is the the far far sheep **sheep** . here

here is is the the car car sheep **sheep** , and

and here here is is the the train train sheep

sheep . But But where where is is the

the green green sheep **sheep** ? ? here here is

is the the wind wind sheep **sheep** . and

and here here is is the the wave wave sheep

sheep . here here is is the the scared

scared sheep **sheep** , and and here here is

here is and here , and sheep , scared sheep

the scared is the here is here sheep .

wave sheep the wave is the here is and here

and sheep . wind sheep the wind is the

here is ? here sheep ? green sheep the green

is the where is But where sheep .

train sheep the train is the here is and here

, and sheep , car sheep the car is the here is

here sheep . far sheep the far is the here is

and here and sheep . near sheep the near

is the the brave brave sheep sheep . But

But where where is is the the green

green sheep sheep ? ? here here is is the

the sun sun sheep sheep . and and here

here is is the the rain rain sheep sheep .

. here here is is the the moon moon sheep

sheep . and and here here is is the the star

star sheep sheep . But But where where is

is the the green green sheep sheep ? ? where

where is is that that green green sheep

green sheep that green is that where is

? where sheep ? green sheep the green is the

where is But where . But sheep . star sheep

the star is the here is and here . and sheep .

moon sheep the moon is the here is . here

sheep . rain sheep the rain is the here is

and here . and sheep . sun sheep the sun

is the here is ? here sheep ? green sheep

the green is the where is But where

. But sheep . brave sheep the brave is the

sheep ? ? Turn Turn the the page page quietly

quietly let's let's take take a a peep peep . .

. . . Here's Here's our our green

green sheep sheep , , fast fast asleep asleep .

page quietly the page Turn the ? Turn sheep ?
• peep • a peep take a let's take quietly let's
our green Here's our Here's • • •
asleep • fast asleep , fast sheep , green sheep