Template: %sentence %noun ate *
Input: Look there! The dog ate a bone.

Match Search
Starts matching, with raw user input.

Print Match
Ignore

each template

%sentence %noun ate *
"Look there! The dog ate a bone."

Evaluate Template
Parse functions and arguments, and look them up in environment.

Call Matcher
Throw Error

each token

Matcher
Tries to match parsed template with input

Print Match
Ignore

Sentence
"Look there! The dog ate a bone."

Sentence
Tries to match argument against each sentence.

Print Match
Ignore

each sentence

%noun ate * %opt .
"The dog ate a bone."

Evaluate Template
Parse functions and arguments, and look them up in environment.

Call Matcher
Throw Error

each token

Matcher
Tries to match parsed template with input

Print Match
Ignore

"The dog ate a bone."

Noun
Is the argument a noun or nounphrase?

Match Rest
Match Lower

"The dog"

Noun
Is the argument a noun or nounphrase?

Match Rest
Match Lower

"ate a bone."

ate
Is the argument "ate"

Match Rest
Match Lower

"ate"

ate
Is the argument "ate"

Match Rest
Match Lower

"a bone."

*
Match anything or nothing.

Match Rest
Match Lower

"a bone."

Optional (.)
Match a "." if there is one, but don't require it.

Check complete
Match more *

"a bone."

Check Completion
Make sure entire input matched by entire template.

Print Match
Match optional

"a bone."

Optional (.)
Match a "." if there is one, but don't require it.

Check complete
Match more *

"a bone."

*
Match anything or nothing.

Match Rest
Match Lower

"."

Optional (.)
Match a "." if there is one, but don't require it.

Check complete
Match more *

"."

Check Completion
Make sure entire input matched by entire template.

Print Match
Match more *

"."

Optional (.)
Match a "." if there is one, but don't require it.

Check complete
Match more *