

Start

Start

{

{

"

"

f

f

l

l

n

n

y

y

i

i

a

a

r

r

s

s

t

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s

s

t

t

—

—

u

u

m

m

—

—

s

s

e

e

a

a

r

r

—

—

Root

N/A

Root...

a

10

a...

f

16

f...

l

45

l...

0

61

0...

fa

120

fa...

fi

145

fi...

fil

590

fil...

fir

625

fir...

firs

N/A

firs...

first

1299

first...

Allowed Tokens at next timestep: [16, 45, 145, 625, 1299, .....]

Allowed Tokens at next timestep: [16, 45, 145, 625, 1299, .....]

Character Level Parser

Character Level Parser

Tokenizer Prefix Tree

Tokenizer Prefix Tree

**\*\*Legend\*\***

Legend

Traversal Start Node

Traversal Start Node

Visited Node

Visited Node

JsonSchemaParser

**Schema:**

**first\_name:** str

**last\_name:** str

**num\_seasons\_in\_nba:** int

**year\_of\_birth:** int

**Current string** : {"

JsonSchemaParser...

Built from the language model's tokenizer

Built from the language model's tokenizer

The trees are traversed in tandem, recursing into the children that exist in both nodes

The trees are traversed in tand...

Parallel Nodes

Parallel NodesText is not SVG - cannot display