Detection

Recall

0.88

0.96

0.9

0.66

0.82

0.78

0.9

0.94

0.97

0.88

0.86

0.93

0.57

0.97

Accuracy F1 score Precision

0.936

0.98

0 947

0.776

0.882

0.703

0.938

1

0.943

0.953

0.639

0.978

0.94

0.98

0.95

0.81

0.89

0.67

0.94

Lang

Layer

model.layers.15.mlp Portuguese

model.layers.15.mlp Portuguese

model.layers.15.mlp Portuguese

model.layers.15.mlp Portuguese

model.layers.15.mlp Portuguese

model.lavers.15.mlp Portuguese

model.layers.15.mlp Portuguese

Feature ID

26198

27629

47463

49673

74006

83064

106475

os. -as. -ia. -io. -iva.

language.

Interpretation

The highlighted tokens are predominantly Portuguese suffixes and word endings that form nouns, adjectives, and verb conjugations, as well as some full words and phrases. These

include common morphological markers such as -ção, -dade, mento, -idade, -ado, -ente, -ista, -ção, -são, -ção, -ções, -ais, -ais, -

The highlighted tokens are primarily morphemes, word endings, and short function words in Portuguese, often marking grammatical features such as tense, number, gender, or case, as

well as common connectors and noun/adjective endings. These elements are crucial for sentence structure and meaning in the

The highlighted tokens are primarily function words, verb forms, and affixes in Portuguese that are essential for expressing modality, obligation, ability, and temporal or conditional

relationships. These include modal verbs, pronouns, prepositions,

conjunctions, and verb endings, which are crucial for structuring instructions, expressing necessity or possibility, and connecting

The highlighted tokens are primarily function words, verb endings, pronouns, and common connectors in Portuguese, often marking grammatical relationships, verb conjugations, and clause

boundaries. These tokens are essential for sentence structure, cohesion, and conveying tense, person, or logical connections

The highlighted tokens are predominantly prefixes, roots, or stems within Portuguese words, often marking the beginning or core of nouns, verbs, or adjectives, and are frequently associated

with technical, formal, or compound terms. These segments are crucial for word formation and meaning, especially in

The highlighted tokens frequently mark grammatical morphemes, noun and verb endings, prepositions, conjunctions, and common

These patterns reflect morphological structures (such as -ção, idade, -amento, -ar, -ado, -ente, -ista, -izar, -izarão, -ante, -ente, -

phrase boundaries in Romance languages, often signaling syntactic structure, tense, plurality, or idiomatic expressions.

The highlighted tokens are primarily Portuguese suffixes and word endings that form nouns, adjectives, and verb conjugations, as well as common prepositions, conjunctions, and function words.

clauses in informative or directive contexts.

within and between clauses.

morphologically rich contexts.

ivo, -eira, -eiro, -oso, -ável, -ível,

Fuzzing

0.978

0.98

0.913

0.891

0.891

0.538

0 98

Recall

0.9

0.96

0.84

0.82

0.98

0 98

0.96

Accuracy F1 score Precision

0.938

0.97

0.875

0.854

0.933

0.695

0.97