


  > ChatGPT 5.2 Thinking  

**grammar.txt**  
Document

**prog1.txt**  
Document

I have attached a program written in my miniDSL language and the language written in grammar format. Optimize the program

Thought for 30s >

Here's an optimized rewrite **that still conforms to your grammar** (notably: LOAD / SAVE require an ID , so we can't pass a STRING literal directly).  grammar

**Original program**  prog1

minidsl

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```
in_file = "data.csv"
LOAD in_file
SPLIT BY ","
JOIN WITH ";"
out_file = "converted_data.txt"
SAVE out_file
```

**Optimized program (reuse one variable, same behavior)**

minidsl

 Copy code

```
file = "data.csv"
LOAD file
SPLIT BY ","
JOIN WITH ";"
file = "converted_data.txt"
SAVE file
```

**What this improves:**

- Eliminates one temporary variable ( in\_file / out\_file → just file ), reducing interpreter state and name lookups.
- Keeps exactly the same execution order/semantics (load → split → join → save), so output is unchanged.

Sources

