Visual Prompt Engineering for ChatGPT-40: A Low-Resource Fine-Tuning Approach

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摘要

在在本研究中,我們探索了視覺語言模型(VLMs)於鋼材識別任務中的應用潛力。任務目標為:輸入包含鋼材形狀結構與尺寸標註的圖像,模型需自動判斷該鋼材對應的類型(如 A001、A002 等)與邊長資訊。圖像中雖包含數字與結構線條,卻未直接標示類別代碼,模型需藉由圖形幾何配置與數值關係進行推理。我們在不擴充訓練資料的前提下,提出數種輸入設計與提示策略,有效提升模型辨識準確率。實驗結果顯示,即便在低資源條件下,透過適當的輸入結構與視覺提示設計,VLM 仍能在實務場景中展現良好的識別效果。

1 前言

近年來,隨著 ChatGPT [1] 等大型語言模型 (LLMs) 技術迅速發展,其跨領域的應用潛力也 日益受到重視。許多企業與研究單位開始思考,是否能藉由這類通用型人工智慧,解決實際產業場 域中的自動化挑戰。本研究便是在這樣的背景下展開:我們嘗試將 ChatGPT 應用於鋼鐵產業中的 圖形識別任務,以協助業主進行生產流程的智慧化轉型。

我們的合作對象為一家鋼材加工廠商。過往,該公司需仰賴具備專業背景的人工操作人員,手動將鋼材圖面資訊(包含幾何結構與尺寸標註)轉錄至其內部的 ERP 系統中。此流程不僅耗時費工,也容易因人工輸入失誤導致後續錯誤。我們希望透過 AI 模型導入,能將該流程自動化,以降低成本並提升資料正確性。

然而,自動化流程中最具挑戰性的一步,便是「圖形識別」。這些鋼材圖像通常僅包含幾何線條與數字標註,未附上明確的類別代碼,因此模型需具備一定程度的空間理解與邏輯推理能力。為此,我們選擇探索使用 ChatGPT 進行圖像分析的可能性,並透過不同的提示設計與輸入編排方式,嘗試引導其正確解讀圖像資訊。

本研究記錄了我們在這一過程中的實驗設計與關鍵觀察,並初步驗證 ChatGPT 在特定條件下確實具備一定的圖形理解能力,對未來跨模態的產業應用提供了有價值的參考。

2 實驗設計

為驗證大型語言模型於鋼材圖形識別任務中的應用效能,我們設計了一系列基於 ChatGPT-4o 的微調實驗。本節將說明資料來源與處理方式,以及實際訓練時所採用的模型與參數設定。 2 實驗設計 2

2.1 模型能力目標

在本任務中,我們預期模型能夠具備以下能力:

- 根據幾何結構與尺寸標註,推論對應的鋼材類別
- 識別手寫與印刷混合的文字標註
- 處理圖像的旋轉與翻轉變化,保持識別準確度
- 解讀圖形中未明確標示但可推論出的邊長資訊

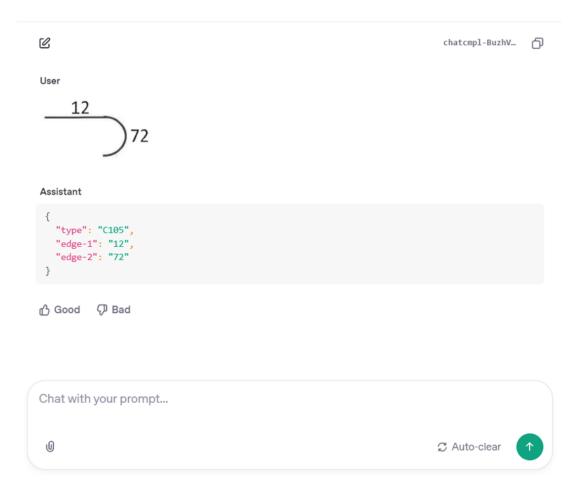


图 1: Model Capability Objectives

2.2 資料來源與建構方式

本研究所使用的鋼材圖面資料,原始來源為合作廠商所提供的部分真實圖像。這些圖面採工程 繪圖格式,包含鋼材的幾何結構與尺寸標註,內容接近實務中輸入 ERP 系統所需的格式。然而, 因涉及商業機密,原始圖像無法直接用於模型訓練或公開發表。

為兼顧資料保密與研究需求,我們參考原始圖面的風格與構成邏輯,人為合成一批具代表性的鋼材圖面資料集。該資料模擬實際場景中的圖形樣式,包括常見的 L 型、U 型、方形鋼材輪廓,以及多種尺寸標示方式,作為模型訓練與測試使用。

鋼材種類與風格

2 實驗設計 3

- 鋼材種類:共構建 6 種鋼材類別,分別為 C105、C106、C413、C445、C505、C603。
- 書寫風格:每種鋼材各包含三種變異風格:
 - 1. **全印刷** (Printed Only)
 - 2. 圖形印刷+手寫尺寸 (Mixed)
 - 3. **全手寫** (Handwritten Only)

資料生成與處理方式

- 印刷部分以小畫家繪製(線條粗細為 5pt,字型使用 Calibri),經印表機列印輸出。
- 手寫部分由六位同事獨立填入隨機數字 (1-100),確保筆跡與內容具備多樣性與獨立性。
- 列印後之圖像以掃描方式數位化,再依圖形區域進行裁切,取得標準化樣本。

資料擴增策略 每張圖像樣本進行以下變換操作,以提升模型的泛化能力:

- 旋轉四個角度:0°, 90°, 180°, 270°
- 搭配水平翻轉(flip)後再旋轉,共計 8 種資料版本

此外,每張圖像皆搭配一組人工標註的標籤(label),作為模型訓練與評估之依據。由於翻轉搭配 旋轉的變換與原始圖像在幾何結構上等價,因此其標註結果應保持一致,確保模型學習專注於圖形 內容而非圖像位置。

資料命名與屬性欄位 每張圖像資料皆對應一組組合屬性,以利於後續分類與實驗設計。命名結構 由以下欄位組成:

- classes:鋼材類別,共6種:C105、C106、C413、C445、C505、C603
- hand_types:書寫風格類型,共3種:printed_only \mixed_print_hand \handwritten_only
- flip:是否經水平翻轉,包含 flip 與 no_flip
- rot:旋轉角度,包含 rot0、rot1、rot2、rot3
- groups:資料分組,分為 train 與 test

每張圖像都會對應一組標籤(tag),以管線符號(|)串接各屬性資訊。例如:C105|handwritten_only|flip|ro表示該圖像屬於 C105 類型、手寫風格,並經翻轉與 90° 旋轉處理。最後的分組標籤(如 train 或test)視實驗需求而定,並非固定劃分。

資料集規模

- 每種類鋼材原始樣本數:24 張
- 擴增後每類: $24 \times 8 = 192$ 張
- 資料總量: $6 \times 192 = 1,152$ 張圖像

為提升主文清晰度,完整圖像範例與表格展示另收錄於附錄中。

2 實驗設計 4

2.3 模型設定與訓練參數

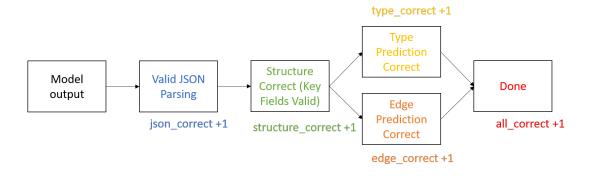
考量目前僅有 GPT-4o (版本日期: 2024-08-06) 支援視覺語言模型 (VLM) 的微調功能,本研究即採用該版本進行後續實驗。模型訓練採用監督式學習 (Supervised Fine-tuning) 方式進行,相關訓練參數設定如下:

- 模型版本:GPT-4o (gpt-4o-2024-08-06)
- 訓練方法:監督式微調(Supervised Fine-tuning)
- 訓練輪數 (Epochs): 3
- 每批樣本數 (Batch size): 4
- 學習率倍率 (LR multiplier): 2
- 隨機種子 (Seed): 3407

以上設定在 OpenAI 提供之微調平台上完成,並針對我們建構的資料集進行多輪訓練與評估。

評分指標定義 為衡量模型輸出的完整性與正確性,我們設計四項遞進式指標;每通過一道「關卡」才會進入下一層評估,最終若全部滿足,則記為 all_correct=1。

- 1. json_correct 模型回傳內容必須能被成功解析為合法 JSON; 若解析失敗,直接計為 0,並 跳過後續評分。
- 2. structure_correct 在 json_correct=1 的前提下,檢查關鍵欄位是否齊備且符合資料格式規範。非必要或多餘欄位不影響此項評分。
- 3. type_correct 與 edge_correct (獨立計算)
 - **3.**1. **若鋼材類型預測正確,則** type_correct=1。
 - 3.2. 若鋼材各邊長皆預測正確,則 edge_correct=1。
- 4. all_correct 當 json_correct \ structure_correct \ type_correct \ edge_correct 均為 1 時,記為完全正確 (all_correct=1) °



2: Correctness Evaluation Flow

3 實驗 5

3 實驗

我們一共進行了四次的模型訓練 (model0, model1, model2, model3),其中前三次成功了,最後一次不算成功

3.1 實驗 0: 樸素的嘗試

非常簡單的嘗試,就是模型接收圖片,直接吐出 JSON,結果非常的糟糕,在 train 的正確是 22(30.56%),test 是 70~(6.48%)

錯誤案例分析

分析

3.2 實驗 1: 加入 full_image 改善

train **的正確是** 32 (44.44%),test **是** 121 (11.20%)

3.3 實驗 2: 加入 prefix prompt 穩定 json 輸出

如圖 8a 所示, Model 0 的 loss 在第二 epoch 後穩定下降。json_correct 是 1152 (100.00%),相較於實驗 1 1067 (92.62%) 由於 json 被正確了的解析, train 正確率 65 (90.28%),test 正確率 212 (19.63%)

3.4 將旋轉的圖片也加進去 train 資料

這邊有點失敗 train 正確率 234 (81.25%), test 的正確率 157 (18.17%)

4 Conclusion and Future Work

We demonstrate that even with limited data, structured and iterative refinement—starting with simple prompt-based training and gradually introducing data- and process-driven enhancements—can lead to meaningful improvements in VLM performance. Future work will explore automatic error pattern mining and dynamic prompt tuning.

参考文献

[1] OpenAI. Hello gpt-4o. https://openai.com/index/hello-gpt-4o/, 2024. Accessed July 2025.

A **資料準備** 6

A 資料準備

A.1 空的圖片

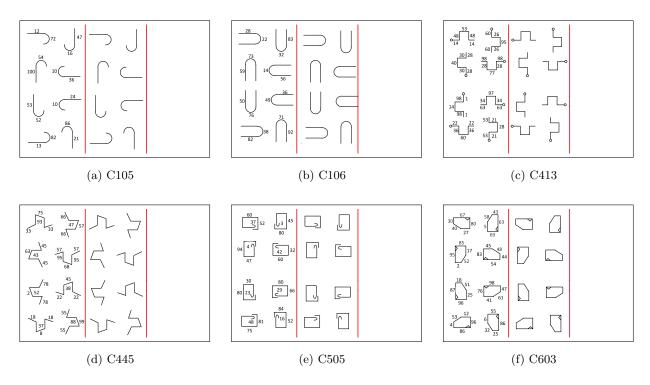


图 3: Steel Shape Categories C105,C106,C413,C445,C505,C603 (with borders)

A.2 填寫完的圖片

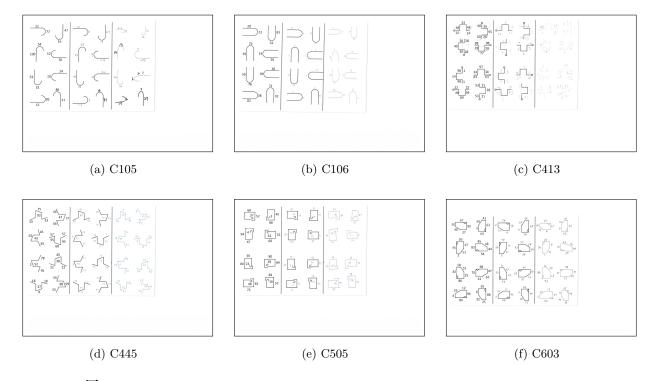


图 4: Steel Shape Categories C105,C106,C413,C445,C505,C603 (with borders)

A **資料準備** 7

A.3 分割,以 C105 舉例

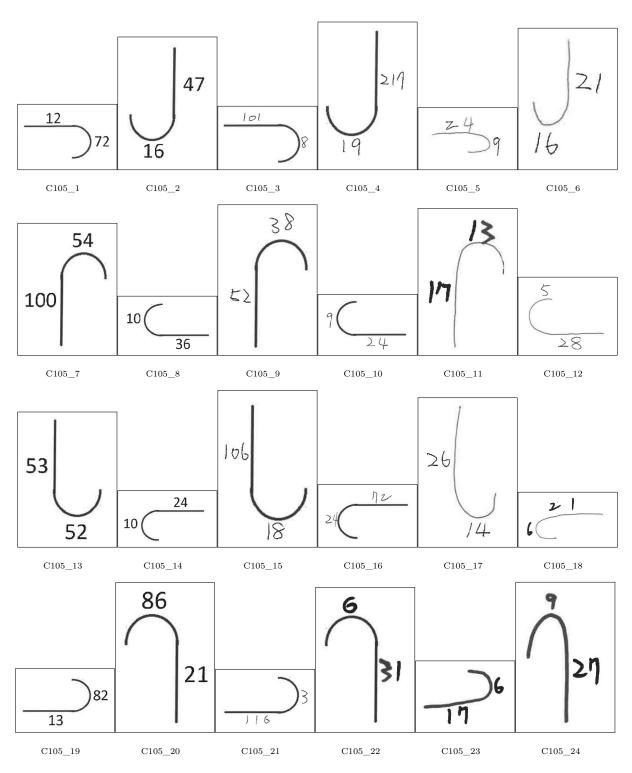


图 5: Subcomponents of Steel Shape C105 (1-24)

A.4 旋轉以及翻轉,以 C105_1 舉例

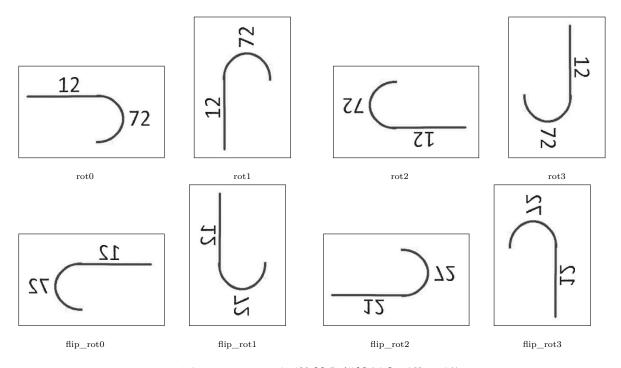


图 6: C105_1 不同旋轉與翻轉版本 (共 8 張)

B image prompt 增強

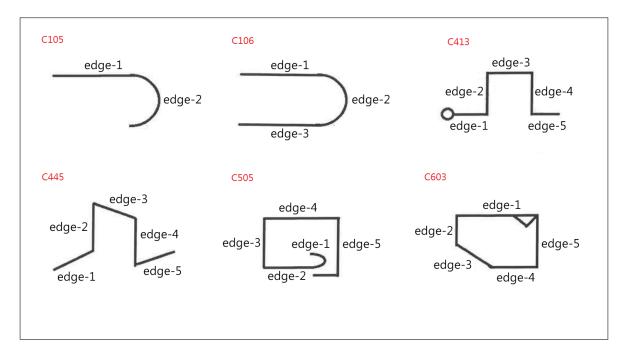
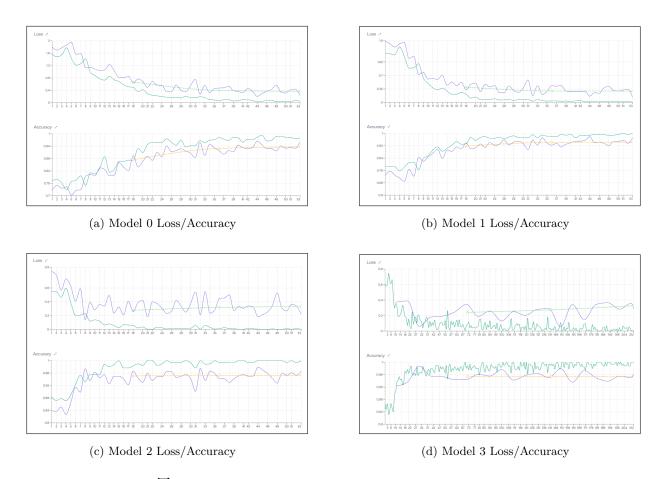


图 7: image prompt 增強

C 模型準確率以及損失



■ 8: Training Loss and Accuracy Curves for Model 0–3

D 實驗結果

D.1 0

tag	$total_count$	$json_correct$	$structure_correct$	$type_correct$	$edge_correct$	$all_correct$
C105 flip handwritten_only rot0 test	8	3 (37.50%)	3 (37.50%)	1 (12.50%)	0 (0.00%)	0 (0.00%)
$C105 flip handwritten_only rot1 test$	8	6 (75.00%)	6 (75.00%)	1 (12.50%)	0 (0.00%)	0 (0.00%)
$C105 flip handwritten_only rot2 test$	8	8 (100.00%)	8 (100.00%)	4 (50.00%)	0 (0.00%)	0 (0.00%)
$C105 flip handwritten_only rot3 test$	8	5 (62.50%)	5 (62.50%)	2~(25.00%)	0 (0.00%)	0 (0.00%)
$C105 flip mixed_print_hand rot0 test$	8	7 (87.50%)	7 (87.50%)	2~(25.00%)	$1\ (12.50\%)$	1 (12.50%)
$C105 flip mixed_print_hand rot1 test$	8	7 (87.50%)	7 (87.50%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
$C105 flip mixed_print_hand rot2 test$	8	8 (100.00%)	8 (100.00%)	3 (37.50%)	1~(12.50%)	1 (12.50%)
$C105 flip mixed_print_hand rot3 test$	8	7 (87.50%)	7 (87.50%)	1~(12.50%)	0 (0.00%)	0 (0.00%)
$C105 flip printed_only rot0 test$	8	8 (100.00%)	8 (100.00%)	3 (37.50%)	2~(25.00%)	2~(25.00%)
$C105 flip printed_only rot1 test$	8	8 (100.00%)	8 (100.00%)	3 (37.50%)	0 (0.00%)	0 (0.00%)
$C105 flip printed_only rot2 test$	8	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
$C105 flip printed_only rot3 test$	8	8 (100.00%)	8 (100.00%)	2 (25.00%)	1 (12.50%)	1 (12.50%)
$C105 handwritten_only no_flip rot0 test$	4	3 (75.00%)	3 (75.00%)	1 (25.00%)	1~(25.00%)	1 (25.00%)
$C105 handwritten_only no_flip rot0 train$	4	4 (100.00%)	4 (100.00%)	3 (75.00%)	2~(50.00%)	2 (50.00%)
$C105 handwritten_only no_flip rot1 test$	8	5~(62.50%)	5 (62.50%)	3 (37.50%)	1~(12.50%)	1 (12.50%)

tag	total_count	json_correct	structure_correct	type_correct	edge_correct	all_correct
C105 handwritten_only no_flip rot2 test	8	7 (87.50%)	7 (87.50%)	3 (37.50%)	0 (0.00%)	0 (0.00%)
$C105 handwritten_only no_flip rot3 test$	8	5 (62.50%)	5 (62.50%)	2~(25.00%)	0 (0.00%)	0 (0.00%)
$C105 mixed_print_hand no_flip rot0 test$	4	4 (100.00%)	4 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
$C105 mixed_print_hand no_flip rot0 trai$	n 4	4 (100.00%)	4 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
$C105 mixed_print_hand no_flip rot1 test$	8	8 (100.00%)	8 (100.00%)	2~(25.00%)	0 (0.00%)	0 (0.00%)
$C105 mixed_print_hand no_flip rot2 test$	8	8 (100.00%)	8 (100.00%)	3 (37.50%)	$1\ (12.50\%)$	1~(12.50%)
$C105 mixed_print_hand no_flip rot3 test$	8	8 (100.00%)	8 (100.00%)	1~(12.50%)	0 (0.00%)	0 (0.00%)
$C105 no_flip printed_only rot0 test$	4	4 (100.00%)	4 (100.00%)	2~(50.00%)	2 (50.00%)	2~(50.00%)
$C105 no_flip printed_only rot0 train$	4	4 (100.00%)	4 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
$C105 no_flip printed_only rot1 test$	8	8 (100.00%)	8 (100.00%)	4~(50.00%)	4 (50.00%)	4~(50.00%)
$C105 no_flip printed_only rot2 test$	8	8 (100.00%)	8 (100.00%)	6 (75.00%)	3 (37.50%)	3 (37.50%)
$C105 no_flip printed_only rot3 test$	8	8 (100.00%)	8 (100.00%)	3 (37.50%)	2~(25.00%)	2~(25.00%)
$C106 flip handwritten_only rot0 test$	8	6 (75.00%)	5 (62.50%)	1~(12.50%)	0 (0.00%)	0 (0.00%)
$C106 flip handwritten_only rot1 test$	8	5 (62.50%)	4 (50.00%)	1~(12.50%)	0 (0.00%)	0 (0.00%)
$C106 flip handwritten_only rot2 test$	8	5~(62.50%)	4 (50.00%)	2~(25.00%)	0 (0.00%)	0 (0.00%)
$C106 flip handwritten_only rot3 test$	8	7~(87.50%)	5~(62.50%)	1~(12.50%)	0 (0.00%)	0 (0.00%)
$C106 flip mixed_print_hand rot0 test$	8	7 (87.50%)	7 (87.50%)	3~(37.50%)	0 (0.00%)	0 (0.00%)
$C106 flip mixed_print_hand rot1 test$	8	8 (100.00%)	8 (100.00%)	3 (37.50%)	0 (0.00%)	0 (0.00%)
$C106 flip mixed_print_hand rot2 test$	8	8 (100.00%)	7 (87.50%)	2~(25.00%)	0 (0.00%)	0 (0.00%)
$C106 flip mixed_print_hand rot3 test$	8	7 (87.50%)	7 (87.50%)	4~(50.00%)	0 (0.00%)	0 (0.00%)
$C106 flip printed_only rot0 test$	8	8 (100.00%)	8 (100.00%)	1~(12.50%)	0 (0.00%)	0 (0.00%)
$C106 flip printed_only rot1 test$	8	8 (100.00%)	8 (100.00%)	3 (37.50%)	0 (0.00%)	0 (0.00%)
$C106 flip printed_only rot2 test$	8	8 (100.00%)	8 (100.00%)	1~(12.50%)	0 (0.00%)	0~(0.00%)
$C106 flip printed_only rot3 test$	8	8 (100.00%)	8 (100.00%)	2~(25.00%)	0 (0.00%)	0~(0.00%)
$C106 handwritten_only no_flip rot0 test$	4	4 (100.00%)	3 (75.00%)	1~(25.00%)	1 (25.00%)	1~(25.00%)
$C106 handwritten_only no_flip rot0 train$	4	4 (100.00%)	2 (50.00%)	0~(0.00%)	0 (0.00%)	0~(0.00%)
$C106 handwritten_only no_flip rot1 test$	8	3(37.50%)	3 (37.50%)	0~(0.00%)	0 (0.00%)	0~(0.00%)
$C106 handwritten_only no_flip rot2 test$	8	7 (87.50%)	5 (62.50%)	1~(12.50%)	0 (0.00%)	0 (0.00%)
$C106 handwritten_only no_flip rot3 test$	8	2~(25.00%)	0 (0.00%)	0~(0.00%)	0 (0.00%)	0 (0.00%)
$C106 mixed_print_hand no_flip rot0 test$	4	4 (100.00%)	3 (75.00%)	1~(25.00%)	0 (0.00%)	$0 \ (0.00\%)$
$C106 mixed_print_hand no_flip rot0 trail$	n 4	4 (100.00%)	4 (100.00%)	2~(50.00%)	1 (25.00%)	1~(25.00%)
$C106 mixed_print_hand no_flip rot1 test$	8	8 (100.00%)	7 (87.50%)	5~(62.50%)	$1\ (12.50\%)$	$1\ (12.50\%)$
C106 mixed_print_hand no_flip rot2 test	8	8 (100.00%)	8 (100.00%)	3 (37.50%)	0 (0.00%)	0 (0.00%)
C106 mixed_print_hand no_flip rot3 test	8	8 (100.00%)	7 (87.50%)	5~(62.50%)	$1\ (12.50\%)$	$1\ (12.50\%)$
$C106 no_flip printed_only rot0 test$	4	4 (100.00%)	4 (100.00%)	1~(25.00%)	1 (25.00%)	1~(25.00%)
$C106 no_flip printed_only rot0 train$	4	4 (100.00%)	4 (100.00%)	3~(75.00%)	3 (75.00%)	3 (75.00%)
$C106 no_flip printed_only rot1 test$	8	8 (100.00%)	8 (100.00%)	4 (50.00%)	4 (50.00%)	4 (50.00%)
$C106 no_flip printed_only rot2 test$	8	8 (100.00%)	8 (100.00%)	$1\ (12.50\%)$	1 (12.50%)	$1\ (12.50\%)$
C106 no_flip printed_only rot3 test	8	8 (100.00%)	8 (100.00%)	3 (37.50%)	3 (37.50%)	3 (37.50%)
$C413 flip handwritten_only rot0 test$	8	6 (75.00%)	6 (75.00%)	4 (50.00%)	0 (0.00%)	0 (0.00%)
$C413 flip handwritten_only rot1 test$	8	6 (75.00%)	5 (62.50%)	4 (50.00%)	0 (0.00%)	0 (0.00%)
$C413 flip handwritten_only rot2 test$	8	6 (75.00%)	5 (62.50%)	3 (37.50%)	0 (0.00%)	0 (0.00%)
$C413 flip handwritten_only rot3 test$	8	5 (62.50%)	4 (50.00%)	2 (25.00%)	0 (0.00%)	0 (0.00%)
$C413 flip mixed_print_hand rot0 test$	8	5 (62.50%)	4 (50.00%)	4 (50.00%)	0 (0.00%)	0 (0.00%)
$C413 flip mixed_print_hand rot1 test$	8	7 (87.50%)	7 (87.50%)	6 (75.00%)	0 (0.00%)	0 (0.00%)
C413 flip mixed_print_hand rot2 test	8	7 (87.50%)	7 (87.50%)	5~(62.50%)	0 (0.00%)	0 (0.00%)
C413 flip mixed_print_hand rot3 test	8	8 (100.00%)	6 (75.00%)	4 (50.00%)	0 (0.00%)	0 (0.00%)
$C413 flip printed_only rot0 test$	8	7 (87.50%)	7 (87.50%)	7 (87.50%)	3 (37.50%)	3 (37.50%)
$C413 flip printed_only rot1 test$	8	8 (100.00%)	8 (100.00%)	6 (75.00%)	0 (0.00%)	0 (0.00%)
$C413 flip printed_only rot2 test$	8	7 (87.50%)	7 (87.50%)	5 (62.50%)	0 (0.00%)	0 (0.00%)
$C413 flip printed_only rot3 test$	8	7 (87.50%)	7 (87.50%)	4 (50.00%)	0 (0.00%)	0 (0.00%)
$C413 handwritten_only no_flip rot0 test$	4	4 (100.00%)	4 (100.00%)	2 (50.00%)	1~(25.00%)	$1\ (25.00\%)$
C413 handwritten_only no_flip rot0 train		4 (100.00%)	3 (75.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
$C413 handwritten_only no_flip rot1 test$	8	6 (75.00%)	6 (75.00%)	6 (75.00%)	0 (0.00%)	0 (0.00%)
$C413 handwritten_only no_flip rot2 test$	8	7 (87.50%)	6 (75.00%)	5 (62.50%)	0 (0.00%)	0 (0.00%)
C413 handwritten_only no_flip rot3 test	8	5 (62.50%)	5 (62.50%)	3 (37.50%)	0 (0.00%)	0 (0.00%)

tag	total_count	json_correct	structure_correct	type_correct	edge_correct	all_correct
C413 mixed_print_hand no_flip rot0 test	4	4 (100.00%)	4 (100.00%)	3 (75.00%)	3 (75.00%)	3 (75.00%)
$C413 mixed_print_hand no_flip rot0 train_{a}$	n 4	4 (100.00%)	4 (100.00%)	3~(75.00%)	1~(25.00%)	1~(25.00%)
$C413 mixed_print_hand no_flip rot1 test$	8	7 (87.50%)	6 (75.00%)	2~(25.00%)	0 (0.00%)	0 (0.00%)
$C413 mixed_print_hand no_flip rot2 test$	8	8 (100.00%)	8 (100.00%)	3~(37.50%)	0 (0.00%)	0 (0.00%)
$C413 mixed_print_hand no_flip rot3 test$	8	8 (100.00%)	8 (100.00%)	5~(62.50%)	0 (0.00%)	0 (0.00%)
$C413 no_flip printed_only rot0 test$	4	4 (100.00%)	4 (100.00%)	3~(75.00%)	3 (75.00%)	3 (75.00%)
$C413 no_flip printed_only rot0 train$	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)
$C413 no_flip printed_only rot1 test$	8	8 (100.00%)	8 (100.00%)	3 (37.50%)	2~(25.00%)	2~(25.00%)
$C413 no_flip printed_only rot2 test$	8	8 (100.00%)	8 (100.00%)	6 (75.00%)	2~(25.00%)	2~(25.00%)
$C413 no_flip printed_only rot3 test$	8	7 (87.50%)	7 (87.50%)	3 (37.50%)	$1\ (12.50\%)$	$1\ (12.50\%)$
$C445 flip handwritten_only rot0 test$	8	4 (50.00%)	4 (50.00%)	3 (37.50%)	0 (0.00%)	0 (0.00%)
$C445 flip handwritten_only rot1 test$	8	8 (100.00%)	8 (100.00%)	7 (87.50%)	0 (0.00%)	0 (0.00%)
$C445 flip handwritten_only rot2 test$	8	7 (87.50%)	7 (87.50%)	4 (50.00%)	0 (0.00%)	0 (0.00%)
$C445 flip handwritten_only rot3 test$	8	6 (75.00%)	6 (75.00%)	3 (37.50%)	0 (0.00%)	0 (0.00%)
$C445 flip mixed_print_hand rot0 test$	8	8 (100.00%)	7 (87.50%)	6 (75.00%)	0 (0.00%)	0 (0.00%)
C445 flip mixed_print_hand rot1 test	8	5~(62.50%)	5 (62.50%)	3 (37.50%)	0 (0.00%)	0 (0.00%)
$C445 flip mixed_print_hand rot2 test$	8	6 (75.00%)	4 (50.00%)	3 (37.50%)	0 (0.00%)	0 (0.00%)
C445 flip mixed_print_hand rot3 test	8	5 (62.50%)	5 (62.50%)	3 (37.50%)	0 (0.00%)	0 (0.00%)
C445 flip printed_only rot0 test	8	8 (100.00%)	7 (87.50%)	5 (62.50%)	2 (25.00%)	2 (25.00%)
C445 flip printed_only rot1 test	8	7 (87.50%)	6 (75.00%)	4 (50.00%)	0 (0.00%)	0 (0.00%)
C445 flip printed_only rot2 test	8	7 (87.50%)	7 (87.50%)	6 (75.00%)	0 (0.00%)	0 (0.00%)
C445 flip printed_only rot3 test	8	6 (75.00%)	6 (75.00%)	4 (50.00%)	0 (0.00%)	0 (0.00%)
C445 handwritten_only no_flip rot0 test	4	3 (75.00%)	3 (75.00%)	3 (75.00%)	1 (25.00%)	1 (25.00%)
C445 handwritten_only no_flip rot0 train		4 (100.00%)	4 (100.00%)	4 (100.00%)	3 (75.00%)	3 (75.00%)
C445 handwritten_only no_flip rot1 test	8	7 (87.50%)	7 (87.50%)	4 (50.00%)	0 (0.00%)	0 (0.00%)
C445 handwritten_only no_flip rot2 test	8	6 (75.00%)	6 (75.00%)	6 (75.00%)	0 (0.00%)	0 (0.00%)
C445 handwritten_only no_flip rot3 test	8	7 (87.50%)	7 (87.50%)	5 (62.50%)	0 (0.00%)	0 (0.00%)
C445 mixed_print_hand no_flip rot0 test		4 (100.00%)	4 (100.00%)	4 (100.00%)	0 (0.00%)	0 (0.00%)
C445 mixed_print_hand no_flip rot0 train		4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)
C445 mixed_print_hand no_flip rot1 test		4 (50.00%)	4 (50.00%)	4 (50.00%)	0 (0.00%)	0 (0.00%)
C445 mixed_print_hand no_flip rot2 test		8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
C445 mixed_print_hand no_flip rot3 test	8	7 (87.50%)	7 (87.50%)	7 (87.50%)	1 (12.50%)	1 (12.50%)
C445 no_flip printed_only rot0 test	4	4 (100.00%)	4 (100.00%)	3 (75.00%)	3 (75.00%)	3 (75.00%)
C445 no_flip printed_only rot0 train	4	3 (75.00%)	3 (75.00%)	3 (75.00%)	3 (75.00%)	3 (75.00%)
C445 no_flip printed_only rot1 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	6 (75.00%)	6 (75.00%)
C445 no_flip printed_only rot2 test	8	7 (87.50%)	7 (87.50%)	5 (62.50%)	2 (25.00%)	2 (25.00%)
C445 no_flip printed_only rot3 test	8	7 (87.50%)	7 (87.50%)	7 (87.50%)	5 (62.50%)	5 (62.50%)
C505 flip handwritten_only rot0 test	8	6 (75.00%)	6 (75.00%)	3 (37.50%)	0 (0.00%)	0 (0.00%)
C505 flip handwritten_only rot1 test	8	7 (87.50%)	7 (87.50%)	4 (50.00%)	0 (0.00%)	0 (0.00%)
C505 flip handwritten_only rot2 test	8	6 (75.00%)	5 (62.50%)	2 (25.00%)	0 (0.00%)	0 (0.00%)
C505 flip handwritten_only rot3 test	8	4 (50.00%)	4 (50.00%)	1 (12.50%)	0 (0.00%)	0 (0.00%)
C505 flip mixed_print_hand rot0 test	8	5 (62.50%)	5 (62.50%)	3 (37.50%)	0 (0.00%)	0 (0.00%)
C505 flip mixed_print_hand rot1 test	8	6 (75.00%)	6 (75.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
C505 flip mixed_print_hand rot2 test	8	8 (100.00%)	7 (87.50%)	4 (50.00%) 4 (50.00%)	0 (0.00%)	0 (0.00%)
C505 flip mixed_print_hand rot3 test	8	6 (75.00%)	6 (75.00%)	,	0 (0.00%)	0 (0.00%)
C505 flip printed_only rot0 test	8	4 (50.00%)	4 (50.00%)	2 (25.00%) 4 (50.00%)	0 (0.00%) 0 (0.00%)	0 (0.00%) 0 (0.00%)
C505 flip printed_only rot1 test	8	8 (100.00%)	8 (100.00%)	` ,	,	
C505 flip printed_only rot2 test	8	6 (75.00%) 7 (87.50%)	6 (75.00%)	2 (25.00%)	0 (0.00%)	0 (0.00%)
C505 flip printed_only rot3 test	8	7 (87.50%)	6 (75.00%)	3 (37.50%)	0 (0.00%)	0 (0.00%)
C505 handwritten_only no_flip rot0 test C505 handwritten_only no_flip rot0 train	4	4 (100.00%) 3 (75.00%)	3 (75.00%)	0 (0.00%) 1 (25.00%)	0 (0.00%) 0 (0.00%)	0 (0.00%) 0 (0.00%)
C505 nandwritten_only no_nlp rot0 train C505 handwritten_only no_flip rot1 test	4 8	3 (75.00%) 6 (75.00%)	3 (75.00%) 6 (75.00%)	3 (37.50%)	0 (0.00%)	0 (0.00%)
C505 handwritten_only no_flip rot2 test	8	8 (100.00%)	8 (100.00%)	3 (37.50%) 2 (25.00%)	0 (0.00%)	0 (0.00%)
C505 nandwritten_only no_flip rot3 test	8	7 (87.50%)	7 (87.50%)	2 (25.00%) 3 (37.50%)	0 (0.00%)	0 (0.00%)
C505 nandwritten_oniy no_nip rot3 test C505 mixed_print_hand no_flip rot0 test		4 (100.00%)	7 (87.50%) 3 (75.00%)	3 (37.50%)	1 (25.00%)	1 (25.00%)
C505 mixed_print_nand no_nip rot0 test C505 mixed_print_hand no_flip rot0 train		4 (100.00%)	4 (100.00%)	4 (100.00%)	0 (0.00%)	0 (0.00%)
Cooo mixed_print_nand no_nip roto tran	4	4 (100.0070)	4 (100.0070)	4 (100.0070)	0 (0.0070)	0 (0.0070)

tag	total_count	json_correct	structure_correct	type_correct	edge_correct	all_correct
C505 mixed_print_hand no_flip rot1 test	8	8 (100.00%)	5 (62.50%)	4 (50.00%)	0 (0.00%)	0 (0.00%)
$C505 mixed_print_hand no_flip rot2 test$	8	7 (87.50%)	7 (87.50%)	5 (62.50%)	0 (0.00%)	0 (0.00%)
$C505 mixed_print_hand no_flip rot3 test$	8	7 (87.50%)	6 (75.00%)	2~(25.00%)	0 (0.00%)	0 (0.00%)
$C505 no_flip printed_only rot0 test$	4	4 (100.00%)	3 (75.00%)	3 (75.00%)	0 (0.00%)	0 (0.00%)
$C505 no_flip printed_only rot0 train$	4	4 (100.00%)	4 (100.00%)	2 (50.00%)	0 (0.00%)	0 (0.00%)
$C505 no_flip printed_only rot1 test$	8	5 (62.50%)	5 (62.50%)	4 (50.00%)	0 (0.00%)	0 (0.00%)
C505 no_flip printed_only rot2 test	8	5 (62.50%)	5 (62.50%)	3 (37.50%)	1 (12.50%)	1 (12.50%)
C505 no_flip printed_only rot3 test	8	4 (50.00%)	4 (50.00%)	4 (50.00%)	0 (0.00%)	0 (0.00%)
C603 flip handwritten_only rot0 test	8	6 (75.00%)	6 (75.00%)	2 (25.00%)	0 (0.00%)	0 (0.00%)
C603 flip handwritten_only rot1 test	8	5 (62.50%)	5 (62.50%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
C603 flip handwritten_only rot2 test	8	6 (75.00%)	6 (75.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
C603 flip handwritten_only rot3 test	8	4 (50.00%)	4 (50.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
C603 flip mixed_print_hand rot0 test	8	5 (62.50%)	5 (62.50%)	1 (12.50%)	0 (0.00%)	0 (0.00%)
C603 flip mixed_print_hand rot1 test	8	5 (62.50%)	5 (62.50%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
C603 flip mixed_print_hand rot2 test	8	7 (87.50%)	7 (87.50%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
C603 flip mixed_print_hand rot3 test	8	3 (37.50%)	3 (37.50%)	1 (12.50%)	0 (0.00%)	0 (0.00%)
C603 flip printed_only rot0 test	8	5 (62.50%)	5 (62.50%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
C603 flip printed_only rot1 test	8	7 (87.50%)	7 (87.50%)	2 (25.00%)	0 (0.00%)	0 (0.00%)
C603 flip printed_only rot2 test	8	6 (75.00%)	6 (75.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
C603 flip printed_only rot3 test	8	7 (87.50%)	7 (87.50%)	2 (25.00%)	0 (0.00%)	0 (0.00%)
C603 handwritten_only no_flip rot0 test	4	3 (75.00%)	3 (75.00%)	2 (50.00%)	1 (25.00%)	1 (25.00%)
C603 handwritten only no flip rot0 train	4	3 (75.00%)	3 (75.00%)	3 (75.00%)	0 (0.00%)	0 (0.00%)
C603 handwritten only no flip rot1 test	8	7 (87.50%)	7 (87.50%)	4 (50.00%)	0 (0.00%)	0 (0.00%)
C603 handwritten_only no_flip rot2 test	8	5 (62.50%)	5 (62.50%)	1 (12.50%)	0 (0.00%)	0 (0.00%)
C603 handwritten_only no_flip rot3 test	8	6 (75.00%)	6 (75.00%)	5 (62.50%)	0 (0.00%)	0 (0.00%)
C603 mixed_print_hand no_flip rot0 test	4	3 (75.00%)	3 (75.00%)	1 (25.00%)	0 (0.00%)	0 (0.00%)
C603 mixed_print_hand no_flip rot0 train		3 (75.00%)	3 (75.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
C603 mixed_print_hand no_flip rot1 test	8	6 (75.00%)	6 (75.00%)	4 (50.00%)	1 (12.50%)	1 (12.50%)
C603 mixed_print_hand no_flip rot2 test	8	7 (87.50%)	7 (87.50%)	1 (12.50%)	0 (0.00%)	0 (0.00%)
C603 mixed_print_hand no_flip rot3 test	8	5 (62.50%)	5 (62.50%)	2 (25.00%)	0 (0.00%)	0 (0.00%)
C603 no_flip printed_only rot0 test	4	4 (100.00%)	4 (100.00%)	1 (25.00%)	0 (0.00%)	0 (0.00%)
C603 no_flip printed_only rot0 train	4	4 (100.00%)	4 (100.00%)	2 (50.00%)	1 (25.00%)	1 (25.00%)
C603 no_flip printed_only rot1 test	8	7 (87.50%)	7 (87.50%)	3 (37.50%)	0 (0.00%)	0 (0.00%)
C603 no_flip printed_only rot2 test	8	5 (62.50%)	5 (62.50%)	2 (25.00%)	0 (0.00%)	0 (0.00%)
C603 no_flip printed_only rot3 test	8	6 (75.00%)	6 (75.00%)	3 (37.50%)	0 (0.00%)	0 (0.00%)
handwritten_only	384	286 (74.48%)	267 (69.53%)	131 (34.11%)	11 (2.86%)	11 (2.86%)
mixed_print_hand	384	331 (86.20%)	314 (81.77%)	156 (40.62%)	17 (4.43%)	17 (4.43%)
printed_only	384	343 (89.32%)	339 (88.28%)	170 (44.27%)	64 (16.67%)	64 (16.67%)
C105	192	171 (89.06%)	171 (89.06%)	55 (28.65%)	21 (10.94%)	21 (10.94%)
C106	192	169 (88.02%)	153 (79.69%)	54 (28.12%)	16 (8.33%)	16 (8.33%)
	192	167 (86.98%)	158 (82.29%)	105 (54.69%)	20 (10.42%)	20 (10.42%)
C413		160 (83.33%)	155 (80.73%)	126 (65.62%)	30 (15.62%)	30 (15.62%)
C445	192	,	` ,	,	` ,	, ,
C505	192	153 (79.69%)	143 (74.48%)	75 (39.06%)	2 (1.04%)	2 (1.04%)
C603	192	140 (72.92%)	140 (72.92%)	42 (21.88%)	3 (1.56%)	3 (1.56%)
flip	576	463 (80.38%)	443 (76.91%)	191 (33.16%)	10 (1.74%)	10 (1.74%)
no_flip	576	497 (86.28%)	477 (82.81%)	266 (46.18%)	82 (14.24%)	82 (14.24%)
rot0	288	244 (84.72%)	232 (80.56%)	123 (42.71%)	48 (16.67%)	48 (16.67%)
rot1	288	240 (83.33%)	232 (80.56%)	118 (40.97%)	19 (6.60%)	19 (6.60%)
rot2	288	251 (87.15%)	241 (83.68%)	110 (38.19%)	11 (3.82%)	11 (3.82%)
rot3	288	225 (78.12%)	215 (74.65%)	106 (36.81%)	14 (4.86%)	14 (4.86%)
train	72	68 (94.44%)	65 (90.28%)	38 (52.78%)	22 (30.56%)	22 (30.56%)
test	1080	892 (82.59%)	855 (79.17%)	419 (38.80%)	70 (6.48%)	70 (6.48%)
summary	1152	960 (83.33%)	920 (79.86%)	457 (39.67%)	92 (7.99%)	92 (7.99%)

tag	total_count	json_correct	structure_correct	type_correct	edge_correct	all_correct
$C105 flip handwritten_only rot0 test$	8	8 (100.00%)	8 (100.00%)	2 (25.00%)	0 (0.00%)	0 (0.00%)
$C105 flip handwritten_only rot1 test$	8	8 (100.00%)	8 (100.00%)	2~(25.00%)	0~(0.00%)	0 (0.00%)
$C105 flip handwritten_only rot2 test$	8	8 (100.00%)	8 (100.00%)	5~(62.50%)	0~(0.00%)	0 (0.00%)
$C105 flip handwritten_only rot3 test$	8	8 (100.00%)	8 (100.00%)	0 (0.00%)	0~(0.00%)	0 (0.00%)
$C105 flip mixed_print_hand rot0 test$	8	8 (100.00%)	8 (100.00%)	2~(25.00%)	0~(0.00%)	0 (0.00%)
$C105 flip mixed_print_hand rot1 test$	8	8 (100.00%)	8 (100.00%)	2~(25.00%)	0~(0.00%)	0 (0.00%)
$C105 flip mixed_print_hand rot2 test$	8	8 (100.00%)	8 (100.00%)	3 (37.50%)	1~(12.50%)	1 (12.50%)
$C105 flip mixed_print_hand rot3 test$	8	8 (100.00%)	8 (100.00%)	2~(25.00%)	0 (0.00%)	0 (0.00%)
$C105 flip printed_only rot0 test$	8	7 (87.50%)	7 (87.50%)	4 (50.00%)	3 (37.50%)	3 (37.50%)
$C105 flip printed_only rot1 test$	8	8 (100.00%)	8 (100.00%)	3 (37.50%)	0 (0.00%)	0 (0.00%)
$C105 flip printed_only rot2 test$	8	7 (87.50%)	7 (87.50%)	5 (62.50%)	0 (0.00%)	0 (0.00%)
$C105 flip printed_only rot3 test$	8	7 (87.50%)	7 (87.50%)	1 (12.50%)	0 (0.00%)	0 (0.00%)
$C105 handwritten_only no_flip rot0 test$	4	4 (100.00%)	4 (100.00%)	3 (75.00%)	2 (50.00%)	2 (50.00%)
$C105 handwritten_only no_flip rot0 train$	4	4 (100.00%)	4 (100.00%)	2 (50.00%)	2 (50.00%)	2 (50.00%)
C105 handwritten_only no_flip rot1 test	8	8 (100.00%)	8 (100.00%)	2 (25.00%)	2 (25.00%)	2 (25.00%)
C105 handwritten_only no_flip rot2 test	8	8 (100.00%)	8 (100.00%)	5 (62.50%)	0 (0.00%)	0 (0.00%)
C105 handwritten only no flip rot3 test	8	8 (100.00%)	8 (100.00%)	2 (25.00%)	1 (12.50%)	1 (12.50%)
C105 mixed_print_hand no_flip rot0 test	4	4 (100.00%)	4 (100.00%)	0 (0.00%)	0 (0.00%)	0 (0.00%)
C105 mixed_print_hand no_flip rot0 train		4 (100.00%)	4 (100.00%)	2 (50.00%)	2 (50.00%)	2 (50.00%)
C105 mixed print hand no flip rot1 test	8	7 (87.50%)	7 (87.50%)	1 (12.50%)	0 (0.00%)	0 (0.00%)
C105 mixed print hand no flip rot2 test	8	8 (100.00%)	8 (100.00%)	4 (50.00%)	1 (12.50%)	1 (12.50%)
C105 mixed_print_hand no_flip rot3 test	8	8 (100.00%)	8 (100.00%)	1 (12.50%)	0 (0.00%)	0 (0.00%)
C105 no_flip printed_only rot0 test	4	4 (100.00%)	4 (100.00%)	2 (50.00%)	2 (50.00%)	2 (50.00%)
C105 no_flip printed_only rot0 train	4	3 (75.00%)	3 (75.00%)	2 (50.00%)	2 (50.00%)	2 (50.00%)
C105 no_flip printed_only rot1 test	8	6 (75.00%)	6 (75.00%)	1 (12.50%)	1 (12.50%)	1 (12.50%)
C105 no_flip printed_only rot2 test	8	7 (87.50%)	7 (87.50%)	4 (50.00%)	3 (37.50%)	3 (37.50%)
C105 no_flip printed_only rot3 test	8	7 (87.50%)	7 (87.50%)	3 (37.50%)	3 (37.50%)	3 (37.50%)
C106 flip handwritten_only rot0 test	8	7 (87.50%)	7 (87.50%)	7 (87.50%)	0 (0.00%)	0 (0.00%)
C106 flip handwritten_only rot1 test	8	7 (87.50%)	7 (87.50%)	7 (87.50%)	0 (0.00%)	0 (0.00%)
C106 flip handwritten_only rot2 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
C106 flip handwritten_only rot3 test	8	7 (87.50%)	7 (87.50%)	7 (87.50%)	0 (0.00%)	0 (0.00%)
C106 flip mixed print hand rot0 test	8	7 (87.50%)	7 (87.50%)	7 (87.50%)	0 (0.00%)	0 (0.00%)
C106 flip mixed_print_nand roto test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
1 21 — 1 1		,	,	,	0 (0.00%)	,
C106 flip mixed_print_hand rot2 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	()	0 (0.00%)
C106 flip mixed_print_hand rot3 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
C106 flip printed_only rot0 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	3 (37.50%)	3 (37.50%)
C106 flip printed_only rot1 test	8	7 (87.50%)	7 (87.50%)	7 (87.50%)	0 (0.00%)	0 (0.00%)
C106 flip printed_only rot2 test	8	6 (75.00%)	6 (75.00%)	6 (75.00%)	0 (0.00%)	0 (0.00%)
C106 flip printed_only rot3 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
C106 handwritten_only no_flip rot0 test	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	3 (75.00%)	3 (75.00%)
C106 handwritten_only no_flip rot0 train	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)
C106 handwritten_only no_flip rot1 test	8	6 (75.00%)	6 (75.00%)	5 (62.50%)	0 (0.00%)	0 (0.00%)
C106 handwritten_only no_flip rot2 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
C106 handwritten_only no_flip rot3 test	8	7 (87.50%)	6 (75.00%)	6 (75.00%)	0 (0.00%)	0 (0.00%)
$C106 mixed_print_hand no_flip rot0 test$	4	3 (75.00%)	3 (75.00%)	3 (75.00%)	2~(50.00%)	2 (50.00%)
C106 mixed_print_hand no_flip rot0 train	n 4	4 (100.00%)	4 (100.00%)	4 (100.00%)	2 (50.00%)	2 (50.00%)
$C106 mixed_print_hand no_flip rot1 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	$1\ (12.50\%)$	1 (12.50%)
$C106 mixed_print_hand no_flip rot2 test$	8	6 (75.00%)	6 (75.00%)	6 (75.00%)	$1\ (12.50\%)$	1 (12.50%)
$C106 mixed_print_hand no_flip rot3 test$	8	7 (87.50%)	7 (87.50%)	7 (87.50%)	1~(12.50%)	1 (12.50%)
$C106 no_flip printed_only rot0 test$	4	3~(75.00%)	3 (75.00%)	3~(75.00%)	3~(75.00%)	3 (75.00%)
$C106 no_flip printed_only rot0 train$	4	4~(100.00%)	4 (100.00%)	4 (100.00%)	4~(100.00%)	4 (100.00%)
$C106 no_flip printed_only rot1 test$	8	6~(75.00%)	6 (75.00%)	6~(75.00%)	6~(75.00%)	6 (75.00%)
$C106 no_flip printed_only rot2 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	6 (75.00%)	6 (75.00%)
$C106 no_flip printed_only rot3 test$	8	7 (87.50%)	7 (87.50%)	7 (87.50%)	7 (87.50%)	7 (87.50%)
$C413 flip handwritten_only rot0 test$	8	6 (75.00%)	6 (75.00%)	4 (50.00%)	0 (0.00%)	0 (0.00%)
C413 flip handwritten_only rot1 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)

tag	total_count	json_correct	structure_correct	type_correct	edge_correct	all_correct
C413 flip handwritten_only rot2 test	8	6 (75.00%)	6 (75.00%)	5 (62.50%)	0 (0.00%)	0 (0.00%)
$C413 flip handwritten_only rot3 test$	8	8 (100.00%)	8 (100.00%)	7 (87.50%)	0 (0.00%)	0 (0.00%)
$C413 flip mixed_print_hand rot0 test$	8	6~(75.00%)	6 (75.00%)	6 (75.00%)	0~(0.00%)	0 (0.00%)
$C413 flip mixed_print_hand rot1 test$	8	8 (100.00%)	8 (100.00%)	7 (87.50%)	0 (0.00%)	0 (0.00%)
$C413 flip mixed_print_hand rot2 test$	8	7 (87.50%)	7 (87.50%)	7 (87.50%)	0 (0.00%)	0 (0.00%)
$C413 flip mixed_print_hand rot3 test$	8	6 (75.00%)	6 (75.00%)	6 (75.00%)	0 (0.00%)	0 (0.00%)
$C413 flip printed_only rot0 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	3 (37.50%)	3 (37.50%)
$C413 flip printed_only rot1 test$	8	7 (87.50%)	7 (87.50%)	7 (87.50%)	0 (0.00%)	0 (0.00%)
$C413 flip printed_only rot2 test$	8	7 (87.50%)	7 (87.50%)	7 (87.50%)	0 (0.00%)	0 (0.00%)
$C413 flip printed_only rot3 test$	8	6 (75.00%)	6 (75.00%)	6 (75.00%)	0 (0.00%)	0 (0.00%)
$C413 handwritten_only no_flip rot0 test$	4	4 (100.00%)	4 (100.00%)	2 (50.00%)	1 (25.00%)	1 (25.00%)
$C413 handwritten_only no_flip rot0 train$	4	2 (50.00%)	2 (50.00%)	2 (50.00%)	1 (25.00%)	1 (25.00%)
C413 handwritten_only no_flip rot1 test	8	7 (87.50%)	7 (87.50%)	5 (62.50%)	0 (0.00%)	0 (0.00%)
C413 handwritten_only no_flip rot2 test	8	6 (75.00%)	6 (75.00%)	5 (62.50%)	0 (0.00%)	0 (0.00%)
C413 handwritten_only no_flip rot3 test	8	3 (37.50%)	3 (37.50%)	2 (25.00%)	0 (0.00%)	0 (0.00%)
$C413 mixed_print_hand no_flip rot0 test$	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	3 (75.00%)	3 (75.00%)
C413 mixed_print_hand no_flip rot0 train	4	3 (75.00%)	3 (75.00%)	3 (75.00%)	1 (25.00%)	1 (25.00%)
C413 mixed_print_hand no_flip rot1 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
C413 mixed_print_hand no_flip rot2 test	8	7 (87.50%)	7 (87.50%)	7 (87.50%)	0 (0.00%)	0 (0.00%)
C413 mixed_print_hand no_flip rot3 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
C413 no_flip printed_only rot0 test	4	3 (75.00%)	3 (75.00%)	3 (75.00%)	3 (75.00%)	3 (75.00%)
C413 no_flip printed_only rot0 train	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)
C413 no_flip printed_only rot1 test	8	5 (62.50%)	5 (62.50%)	5 (62.50%)	5 (62.50%)	5 (62.50%)
C413 no_flip printed_only rot2 test	8	5 (62.50%)	5 (62.50%)	5 (62.50%)	1 (12.50%)	1 (12.50%)
C413 no_flip printed_only rot3 test	8	6 (75.00%)	6 (75.00%)	6 (75.00%)	5 (62.50%)	5 (62.50%)
C445 flip handwritten_only rot0 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
C445 flip handwritten_only rot1 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
C445 flip handwritten_only rot2 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
C445 flip handwritten_only rot3 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
C445 flip mixed_print_hand rot0 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
C445 flip mixed_print_hand rot1 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
C445 flip mixed_print_hand rot2 test	8	7 (87.50%)	7 (87.50%)	7 (87.50%)	0 (0.00%)	0 (0.00%)
C445 flip mixed_print_hand rot3 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
C445 flip printed_only rot0 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	1 (12.50%)	1 (12.50%)
C445 flip printed_only rot1 test	8	5 (62.50%)	5 (62.50%)	5 (62.50%)	0 (0.00%)	0 (0.00%)
C445 flip printed_only rot1 test	8	7 (87.50%)	7 (87.50%)	7 (87.50%)	0 (0.00%)	0 (0.00%)
C445 flip printed_only rot3 test	8	6 (75.00%)	6 (75.00%)	6 (75.00%)	0 (0.00%)	0 (0.00%)
C445 handwritten_only no_flip rot0 test	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	1 (25.00%)	1 (25.00%)
		4 (100.00%)	, ,		1 (25.00%)	1 (25.00%)
C445 handwritten_only no_flip rot0 train	4	,	4 (100.00%)	4 (100.00%)	,	
C445 handwritten_only no_flip rot1 test	8	7 (87.50%)	7 (87.50%)	7 (87.50%)	0 (0.00%)	0 (0.00%)
C445 handwritten_only no_flip rot2 test	8	7 (87.50%)	7 (87.50%)	7 (87.50%)	0 (0.00%)	0 (0.00%)
C445 handwritten_only no_flip rot3 test	8	8 (100.00%)	7 (87.50%)	7 (87.50%)	0 (0.00%)	0 (0.00%)
C445 mixed_print_hand no_flip rot0 test	4	4 (100.00%)	3 (75.00%)	3 (75.00%)	1 (25.00%)	1 (25.00%)
C445 mixed_print_hand no_flip rot0 train		2 (50.00%)	2 (50.00%)	2 (50.00%)	1 (25.00%)	1 (25.00%)
C445 mixed_print_hand no_flip rot1 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	1 (12.50%)	1 (12.50%)
C445 mixed_print_hand no_flip rot2 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
C445 mixed_print_hand no_flip rot3 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
C445 no_flip printed_only rot0 test	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	3 (75.00%)	3 (75.00%)
C445 no_flip printed_only rot0 train	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	2 (50.00%)	2 (50.00%)
C445 no_flip printed_only rot1 test	8	7 (87.50%)	7 (87.50%)	7 (87.50%)	4 (50.00%)	4 (50.00%)
$C445 no_flip printed_only rot2 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
$C445 no_flip printed_only rot3 test$	8	7 (87.50%)	7 (87.50%)	7 (87.50%)	3 (37.50%)	3 (37.50%)
$C505 flip handwritten_only rot0 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	$1\ (12.50\%)$	1 (12.50%)
$C505 flip handwritten_only rot1 test$	8	6 (75.00%)	6 (75.00%)	6 (75.00%)	0 (0.00%)	0 (0.00%)
$C505 flip handwritten_only rot2 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0~(0.00%)	0 (0.00%)
$C505 flip handwritten_only rot3 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)

tag	total_count	json_correct	structure_correct	type_correct	edge_correct	all_correct
$C505 flip mixed_print_hand rot0 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
$C505 flip mixed_print_hand rot1 test$	8	8 (100.00%)	7 (87.50%)	7 (87.50%)	0 (0.00%)	0 (0.00%)
$C505 flip mixed_print_hand rot2 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
$C505 flip mixed_print_hand rot3 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
$C505 flip printed_only rot0 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	4 (50.00%)	4~(50.00%)
$C505 flip printed_only rot1 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
$C505 flip printed_only rot2 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
$C505 flip printed_only rot3 test$	8	7 (87.50%)	7 (87.50%)	7 (87.50%)	0 (0.00%)	0 (0.00%)
$C505 handwritten_only no_flip rot0 test$	4	4 (100.00%)	3 (75.00%)	3~(75.00%)	2 (50.00%)	2 (50.00%)
$C505 handwritten_only no_flip rot0 train$	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	2 (50.00%)	2 (50.00%)
$C505 handwritten_only no_flip rot1 test$	8	7 (87.50%)	7 (87.50%)	7 (87.50%)	3 (37.50%)	3 (37.50%)
$C505 handwritten_only no_flip rot2 test$	8	7 (87.50%)	7 (87.50%)	7 (87.50%)	1~(12.50%)	1~(12.50%)
$C505 handwritten_only no_flip rot3 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
$C505 mixed_print_hand no_flip rot0 test$	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	1~(25.00%)	1~(25.00%)
$C505 mixed_print_hand no_flip rot0 train$	a 4	4 (100.00%)	4 (100.00%)	4 (100.00%)	1~(25.00%)	1~(25.00%)
$C505 mixed_print_hand no_flip rot1 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	2(25.00%)	2~(25.00%)
$C505 mixed_print_hand no_flip rot2 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	1 (12.50%)	1 (12.50%)
$C505 mixed_print_hand no_flip rot3 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	4 (50.00%)	4 (50.00%)
$C505 no_flip printed_only rot0 test$	4	3~(75.00%)	3 (75.00%)	3 (75.00%)	2 (50.00%)	2 (50.00%)
$C505 no_flip printed_only rot0 train$	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	2 (50.00%)	2 (50.00%)
$C505 no_flip printed_only rot1 test$	8	7 (87.50%)	7 (87.50%)	7 (87.50%)	3 (37.50%)	3 (37.50%)
$C505 no_flip printed_only rot2 test$	8	6 (75.00%)	6 (75.00%)	6 (75.00%)	2 (25.00%)	2 (25.00%)
$C505 no_flip printed_only rot3 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	3 (37.50%)	3 (37.50%)
$C603 flip handwritten_only rot0 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
$C603 flip handwritten_only rot1 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
C603 flip handwritten_only rot2 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
$C603 flip handwritten_only rot3 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
$C603 flip mixed_print_hand rot0 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
$C603 flip mixed_print_hand rot1 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
$C603 flip mixed_print_hand rot2 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
$C603 flip mixed_print_hand rot3 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
$C603 flip printed_only rot0 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
$C603 flip printed_only rot1 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
$C603 flip printed_only rot2 test$	8	7 (87.50%)	7 (87.50%)	7 (87.50%)	0 (0.00%)	0 (0.00%)
$C603 flip printed_only rot3 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
$C603 handwritten_only no_flip rot0 test$	4	3 (75.00%)	3 (75.00%)	3 (75.00%)	0 (0.00%)	0 (0.00%)
$C603 handwritten_only no_flip rot0 train$	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	0 (0.00%)	0 (0.00%)
$C603 handwritten_only no_flip rot1 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
$C603 handwritten_only no_flip rot2 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
$C603 handwritten_only no_flip rot3 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	1 (12.50%)	1 (12.50%)
$C603 mixed_print_hand no_flip rot0 test$	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	2 (50.00%)	2 (50.00%)
C603 mixed_print_hand no_flip rot0 train	n 4	4 (100.00%)	4 (100.00%)	4 (100.00%)	1 (25.00%)	1 (25.00%)
$C603 mixed_print_hand no_flip rot1 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	1 (12.50%)	1 (12.50%)
$C603 mixed_print_hand no_flip rot2 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
C603 mixed_print_hand no_flip rot3 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
C603 no_flip printed_only rot0 test	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	1 (25.00%)	1 (25.00%)
C603 no_flip printed_only rot0 train	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	0 (0.00%)	0 (0.00%)
C603 no_flip printed_only rot1 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
$C603 no_flip printed_only rot2 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
C603 no_flip printed_only rot3 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
handwritten_only	384	357 (92.97%)	354 (92.19%)	302 (78.65%)	28 (7.29%)	28 (7.29%)
mixed_print_hand	384	368 (95.83%)	366 (95.31%)	319 (83.07%)	31 (8.07%)	31 (8.07%)
printed_only	384	342 (89.06%)	342 (89.06%)	311 (80.99%)	94 (24.48%)	94 (24.48%)
C105	192	183 (95.31%)	183 (95.31%)	65 (33.85%)	25 (13.02%)	25 (13.02%)
C106	192	174 (90.62%)	173 (90.10%)	172 (89.58%)	43 (22.40%)	43 (22.40%)

tag	$total_count$	json_correct	$structure_correct$	$type_correct$	$edge_correct$	all_correct
C445	192	179 (93.23%)	177 (92.19%)	177 (92.19%)	18 (9.38%)	18 (9.38%)
C505	192	183 (95.31%)	181 (94.27%)	$181\ (94.27\%)$	34~(17.71%)	34~(17.71%)
C603	192	190 (98.96%)	190 (98.96%)	190 (98.96%)	6 (3.12%)	6 (3.12%)
flip	576	$542 \ (94.10\%)$	541 (93.92%)	474~(82.29%)	16~(2.78%)	16~(2.78%)
no_flip	576	525~(91.15%)	$521\ (90.45\%)$	$458 \ (79.51\%)$	137~(23.78%)	137~(23.78%)
rot0	288	270~(93.75%)	268 (93.06%)	237~(82.29%)	79~(27.43%)	79~(27.43%)
rot1	288	265~(92.01%)	264 (91.67%)	226~(78.47%)	$29\ (10.07\%)$	$29\ (10.07\%)$
rot2	288	265~(92.01%)	265 (92.01%)	243~(84.38%)	17 (5.90%)	17~(5.90%)
rot3	288	267~(92.71%)	265 (92.01%)	226~(78.47%)	28 (9.72%)	$28 \ (9.72\%)$
train	72	66~(91.67%)	66 (91.67%)	61~(84.72%)	32 (44.44%)	32~(44.44%)
test	1080	1001~(92.69%)	996 (92.22%)	871 (80.65%)	121 (11.20%)	121 (11.20%)
summary	1152	1067~(92.62%)	$1062\ (92.19\%)$	932~(80.90%)	153~(13.28%)	153~(13.28%)

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tag	$total_count$	json_correct	$structure_correct$	$type_correct$	$edge_correct$	$all_correct$
$C105 flip handwritten_only rot0 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
$C105 flip handwritten_only rot1 test$	8	8 (100.00%)	8 (100.00%)	7 (87.50%)	0 (0.00%)	0 (0.00%)
$C105 flip handwritten_only rot2 test$	8	8 (100.00%)	8 (100.00%)	6 (75.00%)	0 (0.00%)	0 (0.00%)
$C105 flip handwritten_only rot3 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	1 (12.50%)	1~(12.50%)
$C105 flip mixed_print_hand rot0 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	2(25.00%)	2~(25.00%)
$C105 flip mixed_print_hand rot1 test$	8	8 (100.00%)	8 (100.00%)	7 (87.50%)	0 (0.00%)	0 (0.00%)
$C105 flip mixed_print_hand rot2 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	1~(12.50%)	1~(12.50%)
$C105 flip mixed_print_hand rot3 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
$C105 flip printed_only rot0 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	8 (100.00%)	8 (100.00%)
$C105 flip printed_only rot1 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
$C105 flip printed_only rot2 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
$C105 flip printed_only rot3 test$	8	8 (100.00%)	8 (100.00%)	7 (87.50%)	0 (0.00%)	0 (0.00%)
$C105 handwritten_only no_flip rot0 test$	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)
$C105 handwritten_only no_flip rot0 train$	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)
$C105 handwritten_only no_flip rot1 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	1~(12.50%)	1~(12.50%)
$C105 handwritten_only no_flip rot2 test$	8	8 (100.00%)	8 (100.00%)	7 (87.50%)	0 (0.00%)	0 (0.00%)
$C105 handwritten_only no_flip rot3 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	2~(25.00%)	2~(25.00%)
$C105 mixed_print_hand no_flip rot0 test$	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)
$C105 mixed_print_hand no_flip rot0 trai$	n 4	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)
$C105 mixed_print_hand no_flip rot1 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	1~(12.50%)	1~(12.50%)
$C105 mixed_print_hand no_flip rot2 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	1~(12.50%)	1~(12.50%)
$C105 mixed_print_hand no_flip rot3 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	3 (37.50%)	3(37.50%)
$C105 no_flip printed_only rot0 test$	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)
$C105 no_flip printed_only rot0 train$	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)
$C105 no_flip printed_only rot1 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	8 (100.00%)	8 (100.00%)
$C105 no_flip printed_only rot2 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	5~(62.50%)	5 (62.50%)
$C105 no_flip printed_only rot3 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	8 (100.00%)	8 (100.00%)
$C106 flip handwritten_only rot0 test$	8	8 (100.00%)	7 (87.50%)	7 (87.50%)	0 (0.00%)	0 (0.00%)
$C106 flip handwritten_only rot1 test$	8	8 (100.00%)	7 (87.50%)	6 (75.00%)	0 (0.00%)	0 (0.00%)
$C106 flip handwritten_only rot2 test$	8	8 (100.00%)	8 (100.00%)	7 (87.50%)	0 (0.00%)	0 (0.00%)
$C106 flip handwritten_only rot3 test$	8	8 (100.00%)	7 (87.50%)	6 (75.00%)	0 (0.00%)	0 (0.00%)
$C106 flip mixed_print_hand rot0 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
$C106 flip mixed_print_hand rot1 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
$C106 flip mixed_print_hand rot2 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
$C106 flip mixed_print_hand rot3 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
$C106 flip printed_only rot0 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	3 (37.50%)	3~(37.50%)
$C106 flip printed_only rot1 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)

	tag	total_count	json_correct	structure_correct	type_correct	edge_correct	all_correct
C100	C106 flip printed_only rot2 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
C100	C106 flip printed_only rot3 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
C106 Bandwritten_unly no_lip ex2 test	$C106 handwritten_only no_flip rot0 test$	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)
C106 Inarderritten only'no fliphot2 test	$C106 handwritten_only no_flip rot0 train$	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)
C109 malord print mand	$C106 handwritten_only no_flip rot1 test$	8	8 (100.00%)	7 (87.50%)	6 (75.00%)	1~(12.50%)	1~(12.50%)
C109 mixed_print_handlon_flipprot/pteat	$C106 handwritten_only no_flip rot2 test$	8	8 (100.00%)	7 (87.50%)	7 (87.50%)	0 (0.00%)	0 (0.00%)
C106 mixed_print_handlno_flip(rot) trians	$C106 handwritten_only no_flip rot3 test$	8	8 (100.00%)	8 (100.00%)	7 (87.50%)	0 (0.00%)	0 (0.00%)
C106 missed_print_hand no_fliphoc test	$C106 mixed_print_hand no_flip rot0 test$	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	3~(75.00%)	3~(75.00%)
C106 missed_print_handlno_fliprior2 test	$C106 mixed_print_hand no_flip rot0 train$	1 4	4 (100.00%)	4 (100.00%)	4 (100.00%)	3~(75.00%)	3~(75.00%)
C106 mo_flip printed_only rot0 test	$C106 mixed_print_hand no_flip rot1 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	2~(25.00%)	2~(25.00%)
C106 no_flip printed_only rot0 rest	$C106 mixed_print_hand no_flip rot2 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
C106 no_flipprinted_only rot0 ranin	$C106 mixed_print_hand no_flip rot3 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	2~(25.00%)	2~(25.00%)
C106 no. hip printed_only rot1 test		4	4 (100.00%)	4 (100.00%)	,	4 (100.00%)	4 (100.00%)
C106 no_flip printed_only rot2 test	$C106 no_flip printed_only rot0 train$	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)
C106 no.flip printed_only rot3 test 8 8 100.00% 8 100.00% 8 100.00% 0 10.00% 0 10.00% 0 13	$C106 no_flip printed_only rot1 test$	8	,	8 (100.00%)	8 (100.00%)	7 (87.50%)	7 (87.50%)
C413 flip handwritten_only rot1 test	$C106 no_flip printed_only rot2 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	7 (87.50%)	7 (87.50%)
C413 ffip handwritten_only rot1 test		8	8 (100.00%)	8 (100.00%)	8 (100.00%)	8 (100.00%)	8 (100.00%)
C413 flip handwritten_only rot2 test	_ **	8	* * * * * * * * * * * * * * * * * * * *	8 (100.00%)		` ,	• • • • • • • • • • • • • • • • • • • •
C413		8	8 (100.00%)	8 (100.00%)		0 (0.00%)	` ,
C413 ffip mixed_print_hand rot test		8		` '	8 (100.00%)	0 (0.00%)	` ′
C413 flip mixed_print_hand rot1 test			* * * * * * * * * * * * * * * * * * * *	,	,	, ,	` ,
C413 filip mixed_print_hand rot2 test			* * * * * * * * * * * * * * * * * * * *	,	,	` ,	, ,
C413 flip mixed_print_hand not3 test			` ,	` '		` ,	,
C413 fi p printed_only rot0 test			` ,	` '	,	` '	` ,
C413 flip printed_only rot1 test 8 8 (100.00%) 8 (100.00%) 8 (100.00%) 0 (0.00%) 0 (0.00%) C413 flip printed_only rot2 test 8 8 (100.00%) 8 (100.00%) 0 (0.00%) 0 (0.00%) 0 (0.00%) C413 flip printed_only rot3 test 8 8 (100.00%) 8 (100.00%) 0 (0.00%) 0 (0.00%) C413 handwritten_only no_flip rot0 test 4 4 (100.00%) 4 (100.00%) 3 (75.00%) 2 (50.00%) C413 handwritten_only no_flip rot0 test 8 8 (100.00%) 8 (100.00%) 3 (75.00%) 0 (0.00%) C413 handwritten_only no_flip rot3 test 8 8 (100.00%) 8 (100.00%) 8 (100.00%) 0 (0.00%) 0 (0.00%) C413 handwritten_only no_flip rot3 test 8 8 (100.00%) 8 (100.00%) 8 (100.00%) 0 (0.00%) 0 (0.00%) C413 mixed_print_hand no_flip rot1 test 4 4 (100.00%) 4 (100.00%) 4 (100.00%) 4 (100.00%) 4 (100.00%) 4 (100.00%) 4 (100.00%) 4 (100.00%) 4 (100.00%) 4 (100.00%) 4 (100.00%) 4 (100.00%) 4 (100.00%) 4 (100.00%)		8		8 (100.00%)		0 (0.00%)	` ′
C413 flip[printed_only rot2 test 8 8 (100.00%) 8 (100.00%) 8 (100.00%) 0 (0.00%) C413 flip[printed_only rot3 test 8 8 (100.00%) 8 (100.00%) 8 (100.00%) 0 (0.00%) 0 (0.00%) C413 handwritten_only no_flip rot0 test 4 4 (100.00%) 4 (100.00%) 4 (100.00%) 2 (50.00%) 2 (50.00%) C413 handwritten_only no_flip rot1 test 8 8 (100.00%) 4 (100.00%) 4 (100.00%) 3 (75.00%) 3 (75.00%) C413 handwritten_only no_flip rot2 test 8 8 (100.00%) 8 (100.00%) 0 (0.00%) 0 (0.00%) C413 handwritten_only no_flip rot3 test 8 8 (100.00%) 8 (100.00%) 0 (0.00%) 0 (0.00%) C413 handwritten_only no_flip rot3 test 4 4 (100.00%) 4 (100.00%) 4 (100.00%) 3 (75.00%) 3 (75.00%) C413 mixed_print_hand no_flip rot1 test 4 4 (100.00%) 4 (100.00%) 4 (100.00%) 4 (100.00%) 4 (100.00%) 4 (100.00%) 4 (100.00%) 4 (100.00%) 4 (100.00%) 4 (100.00%) 4 (100.00%) 4 (100.00%) 4 (100.00%) 4 (100.00%)			* * * * * * * * * * * * * * * * * * * *	` '			,
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C413 handwritten_only no_flip rot1 test 8 8 (100.00%) 8 (100.00%) 0 (0.00%) 0 (0.00%) C413 handwritten_only no_flip rot2 test 8 8 (100.00%) 8 (100.00%) 0 (0.00%) 0 (0.00%) C413 handwritten_only no_flip rot3 test 8 8 (100.00%) 8 (100.00%) 0 (0.00%) 0 (0.00%) C413 mixed_print_hand no_flip rot0 test 4 4 (100.00%) 4 (100.00%) 4 (100.00%) 3 (75.00%) 3 (75.00%) C413 mixed_print_hand no_flip rot1 test 8 8 (100.00%) 4 (100.00%) 4 (100.00%) 0 (0.00%) C413 mixed_print_hand no_flip rot2 test 8 8 (100.00%) 8 (100.00%) 0 (0.00%) 0 (0.00%) C413 mixed_print_hand no_flip rot3 test 8 8 (100.00%) 8 (100.00%) 0 (0.00%) 0 (0.00%) C413 mixed_print_hand no_flip rot3 test 8 8 (100.00%) 8 (100.00%) 0 (0.00%) 0 (0.00%) C413 mo_flip printed_only rot0 test 4 4 (100.00%) 4 (100.00%) 4 (100.00%) 4 (100.00%) 4 (100.00%) 4 (100.00%) 4 (100.00%) 4 (100.00%) 4 (100.00%) 8				` '	,	` '	
C413 handwritten_only no_flip rot2 test			, ,	,	,	, ,	,
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C413 mixed_print_hand no_flip rot0 test 4 4 (100.00%) 4 (100.00%) 3 (75.00%) 3 (75.00%) C413 mixed_print_hand no_flip rot0 train 4 4 (100.00%) 4 (100.00%) 4 (100.00%) 4 (100.00%) 4 (100.00%) 4 (100.00%) 4 (100.00%) 4 (100.00%) 4 (100.00%) 4 (100.00%) 4 (100.00%) 4 (100.00%) 4 (100.00%) 4 (100.00%) 4 (100.00%) 4 (100.00%) 4 (100.00%) 0 (0.00%) 0			* * * * * * * * * * * * * * * * * * * *			` '	,
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$ \begin{array}{c} \text{C413} \text{mixed_print_hand} \text{no_flip rot1} \text{test} \\ \text{C413} \text{mixed_print_hand} \text{no_flip rot2} \text{test} \\ \text{S} & \text{8} & (100.00\%) \\ \text{C413} \text{mixed_print_hand} \text{no_flip rot2} \text{test} \\ \text{S} & \text{8} & (100.00\%) \\ \text{C413} \text{mixed_print_hand} \text{no_flip rot3} \text{test} \\ \text{S} & \text{8} & (100.00\%) \\ \text{C413} \text{mixed_print_hand} \text{no_flip rot3} \text{test} \\ \text{S} & \text{8} & (100.00\%) \\ \text{C413} \text{mixed_print_hand} \text{no_flip rot3} \text{test} \\ \text{S} & \text{8} & (100.00\%) \\ \text{C413} \text{no_flip printed_only} \text{rot0} \text{test} \\ \text{S} & \text{8} & (100.00\%) \\ \text{C413} \text{no_flip printed_only} \text{rot0} \text{test} \\ \text{S} & \text{8} & (100.00\%) \\ \text{C413} \text{no_flip printed_only} \text{rot1} \text{test} \\ \text{S} & \text{8} & (100.00\%) \\ \text{C413} \text{no_flip printed_only} \text{rot2} \text{test} \\ \text{S} & \text{8} & (100.00\%) \\ \text{C413} \text{no_flip printed_only} \text{rot2} \text{test} \\ \text{S} & \text{8} & (100.00\%) \\ \text{C413} \text{no_flip printed_only} \text{rot3} \text{test} \\ \text{S} & \text{8} & (100.00\%) \\ \text{C413} \text{no_flip printed_only} \text{rot3} \text{test} \\ \text{S} & \text{8} & (100.00\%) \\ \text{S} $			(,	,	,	,
$ \begin{array}{c} \text{C413} \text{mixed_print_hand} \text{no_flip rot2 test} \\ \text{C413} \text{mixed_print_hand} \text{no_flip rot3 test} \\ \text{C413} \text{mixed_print_hand} \text{no_flip rot3 test} \\ \text{C413} \text{loo_flip printed_only rot0 test} \\ \text{C413} \text{loo_flip printed_only rot1 test} \\ \text{C413} \text{loo_flip printed_only rot2 test} \\ \text{C413} \text{loo_flip printed_only rot3 test} \\ \text{C445} \text{lip handwritten_only rot0 test} \\ \text{C445} \text{lip handwritten_only rot0 test} \\ \text{C445} \text{lip handwritten_only rot2 test} \\ \text{C445} \text{lip handwritten_only rot2 test} \\ \text{C445} \text{lip handwritten_only rot3 test} \\ \text{C445} \text{lip mixed_print_hand rot0 test} \\ \text{C445} \text{lip mixed_print_hand rot0 test} \\ \text{C445} \text{lip mixed_print_hand rot0 test} \\ \text{C445} \text{lip mixed_print_hand rot1 test} \\ \text{C445} \text{lip mixed_print_hand rot1 test} \\ \text{C445} \text{lip mixed_print_hand rot1 test} \\ \text{C445} \text{lip mixed_print_hand rot2 test} \\ \text{C445} \text{lip mixed_print_hand rot3 test} \\ \text{C445} \text{lip mixed_print_hand rot3 test} \\ \text{C445} \text{lip mixed_print_hand rot3 test} \\ \text{C445} \text{lip printed_only rot0 test} \\ \text{C445} lip print$,	,			,
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			* * * * * * * * * * * * * * * * * * * *	,	, ,	, ,	, ,
$ \begin{array}{c} \text{C413} \text{no_flip printed_only rot0 test} & 4 & 4 & (100.00\%) & 4 & (100.00\%) & 4 & (100.00\%) & 4 & (100.00\%) & 4 & (100.00\%) \\ \text{C413} \text{no_flip printed_only rot0 train} & 4 & 4 & (100.00\%) & 4 & (100.00\%) & 4 & (100.00\%) & 4 & (100.00\%) \\ \text{C413} \text{no_flip printed_only rot1 test} & 8 & 8 & (100.00\%) & 8 & (100.00\%) & 8 & (100.00\%) & 8 & (100.00\%) \\ \text{C413} \text{no_flip printed_only rot2 test} & 8 & 8 & (100.00\%) & 8 & (100.00\%) & 8 & (100.00\%) & 8 & (100.00\%) \\ \text{C413} \text{no_flip printed_only rot3 test} & 8 & 8 & (100.00\%) & 8 & (100.00\%) & 8 & (100.00\%) & 3 & (37.50\%) \\ \text{C445} \text{flip handwritten_only rot0 test} & 8 & 8 & (100.00\%) & 8 & (100.00\%) & 8 & (100.00\%) & 0 & (0.00\%) \\ \text{C445} \text{flip handwritten_only rot2 test} & 8 & 8 & (100.00\%) & 8 & (100.00\%) & 8 & (100.00\%) & 0 & (0.00\%) \\ \text{C445} \text{flip handwritten_only rot2 test} & 8 & 8 & (100.00\%) & 8 & (100.00\%) & 8 & (100.00\%) & 0 & (0.00\%) \\ \text{C445} \text{flip handwritten_only rot3 test} & 8 & 8 & (100.00\%) & 8 & (100.00\%) & 8 & (100.00\%) & 0 & (0.00\%) \\ \text{C445} \text{flip mixed_print_hand rot0 test} & 8 & 8 & (100.00\%) & 8 & (100.00\%) & 8 & (100.00\%) & 0 & (0.00\%) \\ \text{C445} \text{flip mixed_print_hand rot1 test} & 8 & 8 & (100.00\%) & 8 & (100.00\%) & 8 & (100.00\%) & 0 & (0.00\%) \\ \text{C445} \text{flip mixed_print_hand rot3 test} & 8 & 8 & (100.00\%) & 8 & (100.00\%) & 8 & (100.00\%) & 0 & (0.00\%) \\ \text{C445} \text{flip mixed_print_hand rot3 test} & 8 & 8 & (100.00\%) & 8 & (100.00\%) & 8 & (100.00\%) & 0 & (0.00\%) \\ \text{C445} \text{flip printed_only rot0 test} & 8 & 8 & (100.00\%) & 8 & (100.00\%) & 8 & (100.00\%) & 0 & (0.00\%) \\ \text{C445} \text{flip printed_only rot0 test} & 8 & 8 & (100.00\%) & 8 & (100.00\%) & 8 & (100.00\%) & 0 & (0.00\%) \\ \text{C445} \text{flip printed_only rot0 test} & 8 & 8 & (100.00\%) & 8 & (100.00\%) & 8 & (100.00\%) & 0 & (0.00\%) \\ \text{C445} \text{flip printed_only rot0 test} & 8 & 8 & (100.00\%) & 8 & (100.00\%) & 8 & (100.00\%) & 0 & (0.00\%) \\ \text{C445} \text{flip printed_only rot0 test} & 8 & 8 & (100.00\%) & 8 & (100.00\%) & 8 & (100.00\%) & 0 & (0.00\%) \\ C$			* * * * * * * * * * * * * * * * * * * *	,	,		
$ \begin{array}{c} {\rm C413} {\rm no_flip} {\rm printed_only rot0 train} & 4 & 4 & (100.00\%) & 8 & (100.00\%) & 8 & (100.00\%) & 8 & (100.00\%) & 8 & (100.00\%) & 8 & (100.00\%) & 3 & (37.50\%) & 3 & (37.50\%) & 4 & (243) & & & & $,	` '	` ′	
$ \begin{array}{c} \text{C413} \text{no_flip} \text{printed_only} \text{rot1} \text{test} \\ \text{S} \\ \text{S} \\ \text{I} 100.00\% \\ \text{C413} \text{no_flip} \text{printed_only} \text{rot2} \text{test} \\ \text{S} \\ \text{S} \\ \text{I} 100.00\% \\ \text{C413} \text{no_flip} \text{printed_only} \text{rot3} \text{test} \\ \text{S} \\ \text{S} \\ \text{I} 100.00\% \\ \text{C413} \text{no_flip} \text{printed_only} \text{rot3} \text{test} \\ \text{S} \\ \text{S} \\ \text{I} 100.00\% \\ \text{S} \\ \text$			* * * * * * * * * * * * * * * * * * * *	,	, ,	,	` ′
$ \begin{array}{c} \text{C413} \text{no_flip printed_only rot2 test} \\ \text{C413} \text{no_flip printed_only rot3 test} \\ \text{C413} \text{no_flip printed_only rot3 test} \\ \text{C413} \text{no_flip printed_only rot3 test} \\ \text{C445} \text{flip handwritten_only rot0 test} \\ \text{C445} \text{flip handwritten_only rot0 test} \\ \text{C445} \text{flip handwritten_only rot1 test} \\ \text{C445} \text{flip handwritten_only rot1 test} \\ \text{C445} \text{flip handwritten_only rot2 test} \\ \text{C445} \text{flip handwritten_only rot2 test} \\ \text{C445} \text{flip handwritten_only rot2 test} \\ \text{C445} \text{flip handwritten_only rot3 test} \\ \text{C445} \text{flip mixed_print_hand rot0 test} \\ \text{C445} \text{flip mixed_print_hand rot0 test} \\ \text{C445} \text{flip mixed_print_hand rot1 test} \\ \text{C445} \text{flip mixed_print_hand rot2 test} \\ \text{C445} \text{flip mixed_print_hand rot3 test} \\ \text{C445} \text{flip printed_only rot0 test} \\ \text{C445}$	1 - 11 - 11		, ,	,	,	,	` ′
$ \begin{array}{c} \text{C413} \text{no_flip} \text{printed_only} \text{rot3} \text{test} \\ \text{C445} \text{flip} \text{handwritten_only} \text{rot0} \text{test} \\ \text{S} \\ \text{S} \\ \text{I} \\ \text{S} \\ \text{I} \\ \text{O} \\ \text{O} \\ \text{C445} \text{flip} \text{handwritten_only} \text{rot1} \text{test} \\ \text{S} \\ \text{S} \\ \text{I} \\ \text{I} \\ \text{O} \\ \text{O} \\ \text{O} \\ \text{C445} \text{flip} \text{handwritten_only} \text{rot1} \text{test} \\ \text{S} \\ \text{S} \\ \text{I} \\ \text{I} \\ \text{O} \\ \text{O}$,	,	,	,	` ′
$ \begin{array}{c} C445 \text{flip} \text{handwritten_only} \text{rot0} \text{test} \\ C445 \text{flip} \text{handwritten_only} \text{rot1} \text{test} \\ 8 & 8 & (100.00\%) \\ C445 \text{flip} \text{handwritten_only} \text{rot1} \text{test} \\ 8 & 8 & (100.00\%) \\ C445 \text{flip} \text{handwritten_only} \text{rot2} \text{test} \\ 8 & 8 & (100.00\%) \\ C445 \text{flip} \text{handwritten_only} \text{rot2} \text{test} \\ 8 & 8 & (100.00\%) \\ C445 \text{flip} \text{handwritten_only} \text{rot3} \text{test} \\ 8 & 8 & (100.00\%) \\ C445 \text{flip} \text{mixed_print_hand} \text{rot0} \text{test} \\ 8 & 8 & (100.00\%) \\ C445 \text{flip} \text{mixed_print_hand} \text{rot1} \text{test} \\ 8 & 8 & (100.00\%) \\ C445 \text{flip} \text{mixed_print_hand} \text{rot1} \text{test} \\ 8 & 8 & (100.00\%) \\ C445 \text{flip} \text{mixed_print_hand} \text{rot2} \text{test} \\ 8 & 8 & (100.00\%) \\ C445 \text{flip} \text{mixed_print_hand} \text{rot2} \text{test} \\ 8 & 8 & (100.00\%) \\ R & (100.00\%)$			` ,	` '			,
$ \begin{array}{c} C445 \text{flip} \text{handwritten_only} \text{rot1} \text{test} \\ C445 \text{flip} \text{handwritten_only} \text{rot2} \text{test} \\ C445 \text{flip} \text{handwritten_only} \text{rot2} \text{test} \\ C445 \text{flip} \text{handwritten_only} \text{rot3} \text{test} \\ C445 \text{flip} \text{handwritten_only} \text{rot3} \text{test} \\ C445 \text{flip} \text{handwritten_only} \text{rot3} \text{test} \\ C445 \text{flip} \text{mixed_print_hand} \text{rot0} \text{test} \\ C445 \text{flip} \text{mixed_print_hand} \text{rot0} \text{test} \\ C445 \text{flip} \text{mixed_print_hand} \text{rot1} \text{test} \\ C445 \text{flip} \text{mixed_print_hand} \text{rot1} \text{test} \\ C445 \text{flip} \text{mixed_print_hand} \text{rot2} \text{test} \\ C445 \text{flip} \text{mixed_print_hand} \text{rot2} \text{test} \\ C445 \text{flip} \text{mixed_print_hand} \text{rot3} \text{test} \\ C445 \text{flip} \text{mixed_print_hand} \text{rot3} \text{test} \\ C445 \text{flip} \text{printed_only} \text{rot0} \text{test} \\ C445 \text{flip} \text{printed_only} \text{rot0} \text{test} \\ C445 \text{flip} \text{printed_only} \text{rot1} \text{test} \\ C445 \text{flip} \text{printed_only} \text{rot2} \text{test} \\ C445 \text{flip} \text{colon0} c$,	, ,		
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$C445 \text{flip} \text{printed_only} \text{rot2} \text{test} \\ 8 \qquad 8 \ (100.00\%) \\ \qquad 8 \ (100.00\%) \\ \qquad 8 \ (100.00\%) \\ \qquad 0 \ (0.00\%) \\ \qquad 0 \ (0.00\%) \\ \qquad 0 \ (0.00\%)$			` ,	` '	,		
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tag	total_count	json_correct	structure_correct	type_correct	edge_correct	all_correct
C445 handwritten_only no_flip rot0 test	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	2 (50.00%)	2 (50.00%)
C445 handwritten_only no_flip rot0 train	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	3 (75.00%)	3 (75.00%)
C445 handwritten_only no_flip rot1 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
C445 handwritten_only no_flip rot2 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
$C445 handwritten_only no_flip rot3 test$	8	8 (100.00%)	8 (100.00%)	7 (87.50%)	0 (0.00%)	0 (0.00%)
$C445 mixed_print_hand no_flip rot0 test$	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	2 (50.00%)	2 (50.00%)
$C445 mixed_print_hand no_flip rot0 train$	1 4	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)
$C445 mixed_print_hand no_flip rot1 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
$C445 mixed_print_hand no_flip rot2 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0~(0.00%)
$C445 mixed_print_hand no_flip rot3 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0~(0.00%)	0 (0.00%)
$C445 no_flip printed_only rot0 test$	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	4~(100.00%)	4~(100.00%)
$C445 no_flip printed_only rot0 train$	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	4~(100.00%)	4~(100.00%)
$C445 no_flip printed_only rot1 test$	8	8 (100.00%)	8 (100.00%)	7 (87.50%)	7 (87.50%)	7 (87.50%)
$C445 no_flip printed_only rot2 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	3 (37.50%)	3 (37.50%)
C445 no_flip printed_only rot3 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	7 (87.50%)	7 (87.50%)
$C505 flip handwritten_only rot0 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
$C505 flip handwritten_only rot1 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
$C505 flip handwritten_only rot2 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
C505 flip handwritten_only rot3 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
C505 flip mixed_print_hand rot0 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
C505 flip mixed_print_hand rot1 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
C505 flip mixed_print_hand rot2 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
C505 flip mixed_print_hand rot3 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
C505 flip printed_only rot0 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	1 (12.50%)	1 (12.50%)
C505 flip printed_only rot1 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
C505 flip printed_only rot2 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
C505 flip printed_only rot3 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
C505 handwritten_only no_flip rot0 test	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	2 (50.00%)	2 (50.00%)
C505 handwritten_only no_flip rot0 train	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)
C505 handwritten_only no_flip rot1 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	3 (37.50%)	3 (37.50%)
C505 handwritten_only no_flip rot2 test C505 handwritten_only no_flip rot3 test	8	8 (100.00%) 8 (100.00%)	8 (100.00%)	8 (100.00%) 8 (100.00%)	1 (12.50%) 2 (25.00%)	1 (12.50%) 2 (25.00%)
C505 mixed_print_hand no_flip rot0 test	4	4 (100.00%)	8 (100.00%) 4 (100.00%)	4 (100.00%)	3 (75.00%)	3 (75.00%)
C505 mixed_print_hand no_flip rot0 train		4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)
C505 mixed_print_hand no_flip rot1 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	6 (75.00%)	6 (75.00%)
C505 mixed_print_hand no_flip rot2 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	1 (12.50%)	1 (12.50%)
C505 mixed_print_hand no_flip rot3 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	5 (62.50%)	5 (62.50%)
C505 no_flip printed_only rot0 test	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	3 (75.00%)	3 (75.00%)
C505 no_flip printed_only rot0 train	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)
C505 no flip printed only rot1 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	6 (75.00%)	6 (75.00%)
C505 no_flip printed_only rot2 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	3 (37.50%)	3 (37.50%)
C505 no_flip printed_only rot3 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	6 (75.00%)	6 (75.00%)
C603 flip handwritten_only rot0 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
$C603 flip handwritten_only rot1 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
$C603 flip handwritten_only rot2 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
$C603 flip handwritten_only rot3 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
$C603 flip mixed_print_hand rot0 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
$C603 flip mixed_print_hand rot1 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
$C603 flip mixed_print_hand rot2 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
$C603 flip mixed_print_hand rot3 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0~(0.00%)	0 (0.00%)
$C603 flip printed_only rot0 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0~(0.00%)	0 (0.00%)
$C603 flip printed_only rot1 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
$C603 flip printed_only rot2 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
$C603 flip printed_only rot3 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
$C603 handwritten_only no_flip rot0 test$	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	2 (50.00%)	2 (50.00%)
C603 handwritten_only no_flip rot0 train	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	3 (75.00%)	3 (75.00%)

tag	total_count	json_correct	$structure_correct$	type_correct	edge_correct	all_correct
$C603 handwritten_only no_flip rot1 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	1 (12.50%)	1 (12.50%)
$C603 handwritten_only no_flip rot2 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
$C603 handwritten_only no_flip rot3 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
$C603 mixed_print_hand no_flip rot0 test$	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	2 (50.00%)	2 (50.00%)
$C603 mixed_print_hand no_flip rot0 train$	n 4	4 (100.00%)	4 (100.00%)	4 (100.00%)	2 (50.00%)	2 (50.00%)
$C603 mixed_print_hand no_flip rot1 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	3 (37.50%)	3~(37.50%)
$C603 mixed_print_hand no_flip rot2 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
$C603 mixed_print_hand no_flip rot3 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
$C603 no_flip printed_only rot0 test$	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	3 (75.00%)	3 (75.00%)
$C603 no_flip printed_only rot0 train$	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	3 (75.00%)	3 (75.00%)
$C603 no_flip printed_only rot1 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	3 (37.50%)	3~(37.50%)
$C603 no_flip printed_only rot2 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	2~(25.00%)	2~(25.00%)
$C603 no_flip printed_only rot3 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	3 (37.50%)	3~(37.50%)
handwritten_only	384	384 (100.00%)	379 (98.70%)	369~(96.09%)	49~(12.76%)	49~(12.76%)
$mixed_print_hand$	384	384 (100.00%)	384 (100.00%)	383~(99.74%)	65 (16.93%)	65~(16.93%)
printed_only	384	384~(100.00%)	384 (100.00%)	$382\ (99.48\%)$	163~(42.45%)	163~(42.45%)
C105	192	$192\ (100.00\%)$	$192\ (100.00\%)$	186~(96.88%)	65~(33.85%)	65~(33.85%)
C106	192	$192\ (100.00\%)$	187 (97.40%)	182 (94.79%)	$52\ (27.08\%)$	$52\ (27.08\%)$
C413	192	$192\ (100.00\%)$	192 (100.00%)	192 (100.00%)	40 (20.83%)	40 (20.83%)
C445	192	$192\ (100.00\%)$	$192\ (100.00\%)$	190 (98.96%)	39 (20.31%)	39 (20.31%)
C505	192	$192\ (100.00\%)$	$192\ (100.00\%)$	192 (100.00%)	54~(28.12%)	54 (28.12%)
C603	192	$192\ (100.00\%)$	192 (100.00%)	192 (100.00%)	$27\ (14.06\%)$	$27\ (14.06\%)$
flip	576	$576\ (100.00\%)$	573 (99.48%)	565~(98.09%)	22 (3.82%)	22 (3.82%)
no_flip	576	$576\ (100.00\%)$	574~(99.65%)	569~(98.78%)	255~(44.27%)	255~(44.27%)
rot0	288	$288 \ (100.00\%)$	287~(99.65%)	287~(99.65%)	140 (48.61%)	140 (48.61%)
rot1	288	288 (100.00%)	286 (99.31%)	$281\ (97.57\%)$	57 (19.79%)	57 (19.79%)
rot2	288	288 (100.00%)	287~(99.65%)	283~(98.26%)	27 (9.38%)	27~(9.38%)
rot3	288	288 (100.00%)	287~(99.65%)	283~(98.26%)	53 (18.40%)	53 (18.40%)
train	72	$72\ (100.00\%)$	$72\ (100.00\%)$	$72\ (100.00\%)$	65~(90.28%)	65~(90.28%)
test	1080	1080 (100.00%)	1075~(99.54%)	1062~(98.33%)	$212\ (19.63\%)$	212 (19.63%)
summary	1152	$1152\ (100.00\%)$	1147 (99.57%)	1134 (98.44%)	277~(24.05%)	277~(24.05%)

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tag	$total_count$	json_correct	$structure_correct$	type_correct	$edge_correct$	all_correct
C105 flip handwritten_only rot0 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	1 (12.50%)	1 (12.50%)
$C105 flip handwritten_only rot1 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
$C105 flip handwritten_only rot2 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	1~(12.50%)	$1\ (12.50\%)$
$C105 flip handwritten_only rot3 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
$C105 flip mixed_print_hand rot0 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	1~(12.50%)	$1\ (12.50\%)$
$C105 flip mixed_print_hand rot1 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
$C105 flip mixed_print_hand rot2 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	1~(12.50%)	$1\ (12.50\%)$
$C105 flip mixed_print_hand rot3 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
$C105 flip printed_only rot0 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	5~(62.50%)	5 (62.50%)
$C105 flip printed_only rot1 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	1~(12.50%)	$1\ (12.50\%)$
$C105 flip printed_only rot2 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
$C105 flip printed_only rot3 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	1~(12.50%)	$1\ (12.50\%)$
$C105 handwritten_only no_flip rot0 test$	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)
$C105 handwritten_only no_flip rot0 train$	1 4	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)
$C105 handwritten_only no_flip rot1 test$	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	1~(25.00%)	1~(25.00%)
$C105 handwritten_only no_flip rot1 train$	1 4	4 (100.00%)	4 (100.00%)	4 (100.00%)	2 (50.00%)	2~(50.00%)
$C105 handwritten_only no_flip rot2 test$	4	4 (100.00%)	4 (100.00%)	3 (75.00%)	1~(25.00%)	1~(25.00%)
$C105 handwritten_only no_flip rot2 train$	n 4	4 (100.00%)	4 (100.00%)	4 (100.00%)	3 (75.00%)	3 (75.00%)

C105 ninderenties_onlyine_fliprost seat	tag	total_count	json_correct	structure_correct	type_correct	edge_correct	all_correct
C105 mixed_print_handlon_fliphot0 tesm	C105 handwritten_only no_flip rot3 test	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	2 (50.00%)	2 (50.00%)
C105 mixed_print_handpb_mijproti reard 4	$C105 handwritten_only no_flip rot3 train$	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	1 (25.00%)	1~(25.00%)
C100	$C105 mixed_print_hand no_flip rot0 test$	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)
C105 missed print handlon disploral train	$C105 mixed_print_hand no_flip rot0 train$	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)
C105 miscd_print_hand mo_fliplost test	$C105 mixed_print_hand no_flip rot1 test$	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	0 (0.00%)	0 (0.00%)
C105 mixed_print_hand mo_fliphed_letain	C105 mixed_print_hand no_flip rot1 train	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)
C105 missed_prine_hand mo_fliplocit rain	$C105 mixed_print_hand no_flip rot2 test$	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	0 (0.00%)	0 (0.00%)
C105 sin_D ipirated_only rot0 cast	C105 mixed_print_hand no_flip rot2 train	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	1 (25.00%)	1 (25.00%)
C105 no_flip printed_only rot0 ptot C105 no_flip printed_only rot1 ptot C105 no_flip printed_only rot1 ptot C105 no_flip printed_only rot1 ptot C105 no_flip printed_only rot2 ptot C105 no_flip printed_only rot2 ptot C105 no_flip printed_only rot3 ptot C105 no_flip pri	$C105 mixed_print_hand no_flip rot3 test$	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	1 (25.00%)	1 (25.00%)
C105 so_flip printed_only rot rain	C105 mixed_print_hand no_flip rot3 train	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	3 (75.00%)	3 (75.00%)
C105 no_flip printed_only rot1 tent	$C105 no_flip printed_only rot0 test$	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)
C105 no. flip printed_only rot2 train	C105 no_flip printed_only rot0 train	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)
C105 no. f p printed_only rot2 test	C105 no_flip printed_only rot1 test	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	2 (50.00%)	2 (50.00%)
C105 no_flip printed_only rot2 test	C105 no_flip printed_only rot1 train	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)
C105 no_flip printed_only rot3 test	C105 no_flip printed_only rot2 test	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	3 (75.00%)	3 (75.00%)
C105 no_flip printed_only rot3 train	C105 no_flip printed_only rot2 train	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	3 (75.00%)	3 (75.00%)
C106 flip handwritten_only rotl test	C105 no_flip printed_only rot3 test	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	3 (75.00%)	3 (75.00%)
C106 ftip handwritten_only rot1 test	C105 no_flip printed_only rot3 train	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)
C106	C106 flip handwritten_only rot0 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	4 (50.00%)	4 (50.00%)
C106 flip nalmyritten_only rot3 test	C106 flip handwritten_only rot1 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	1 (12.50%)	1 (12.50%)
C106 flip mixed_print_hand rot test	C106 flip handwritten_only rot2 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	2 (25.00%)	2 (25.00%)
C106 flip mixed_print_hand rot1 test	C106 flip handwritten_only rot3 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	1 (12.50%)	1 (12.50%)
C106 flip mixed_print_hand rot2 test	C106 flip mixed_print_hand rot0 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
C106 flip mixed_print_hand rot2 test		8	` '	` '	,		, ,
C106 flip mixed_print_hand rot3 test		8	` '	` '	,		, ,
C106 flip printed_only rot0 test		8	*	* * * * * * * * * * * * * * * * * * * *	, ,	` ′	,
C106 ffip printed_only rot2 test		8	` '	` '			, ,
C106 flip printed_only rot2 test		8	` '	` '		,	
C106 handwritten_only no_flip rot0 test		8	` '	` '	,		, ,
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	C106 flip printed_only rot3 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	C106 handwritten only no flip rot0 test	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)
C106 handwritten_only no_flip rot1 train		4	4 (100.00%)		4 (100.00%)	4 (100.00%)	4 (100.00%)
$ \begin{array}{c} \textbf{C} 106 \textbf{handwritten_only} \textbf{no_flip rot2} \textbf{test} & 4 & 4 (100.00\%) & 4 (100.00\%) & 4 (100.00\%) & 1 (25.00\%) \\ \textbf{C} 106 \textbf{handwritten_only} \textbf{no_flip rot2} \textbf{train} & 4 & 4 (100.00\%) & 4 (100.00\%) & 4 (100.00\%) & 3 (75.00\%) \\ \textbf{C} 106 \textbf{handwritten_only} \textbf{no_flip rot3} \textbf{test} & 4 & 4 (100.00\%) & 4 (100.00\%) & 4 (100.00\%) & 0 (0.00\%) \\ \textbf{C} 106 \textbf{handwritten_only} \textbf{no_flip rot3} \textbf{test} & 4 & 4 (100.00\%) & 4 (100.00\%) & 4 (100.00\%) & 4 (100.00\%) \\ \textbf{C} 106 \textbf{maxwritten_only} \textbf{no_flip rot0} \textbf{test} & 4 & 4 (100.00\%) & 4 (100.00\%) & 4 (100.00\%) & 4 (100.00\%) \\ \textbf{C} 106 \textbf{mixed_print_hand no_flip rot0} \textbf{test} & 4 & 4 (100.00\%) & 4 (100.00\%) & 4 (100.00\%) & 3 (75.00\%) \\ \textbf{C} 106 \textbf{mixed_print_hand no_flip rot0} \textbf{test} & 4 & 4 (100.00\%) & 4 (100.00\%) & 4 (100.00\%) & 4 (100.00\%) \\ \textbf{C} 106 \textbf{mixed_print_hand no_flip rot1} \textbf{test} & 4 & 4 (100.00\%) & 4 (100.00\%) & 4 (100.00\%) & 4 (100.00\%) \\ \textbf{C} 106 \textbf{mixed_print_hand no_flip rot2} \textbf{test} & 4 & 4 (100.00\%) & 4 (100.00\%) & 4 (100.00\%) & 3 (75.00\%) \\ \textbf{C} 106 \textbf{mixed_print_hand no_flip rot2} \textbf{test} & 4 & 4 (100.00\%) & 4 (100.00\%) & 4 (100.00\%) & 3 (75.00\%) \\ \textbf{C} 106 \textbf{mixed_print_hand no_flip rot3} \textbf{test} & 4 & 4 (100.00\%) & 4 (100.00\%) & 4 (100.00\%) & 3 (75.00\%) \\ \textbf{C} 106 \textbf{mixed_print_hand no_flip rot3} \textbf{test} & 4 & 4 (100.00\%) & 4 (100.00\%) & 4 (100.00\%) & 3 (75.00\%) \\ \textbf{C} 106 \textbf{mixed_print_hand no_flip rot3} \textbf{test} & 4 & 4 (100.00\%) & 4 (100.00\%) & 4 (100.00\%) & 3 (75.00\%) \\ \textbf{C} 106 \textbf{mixed_print_hand no_flip rot3} \textbf{test} & 4 & 4 (100.00\%) & 4 (100.00\%) & 4 (100.00\%) & 3 (75.00\%) \\ \textbf{C} 106 \textbf{mixed_print_hand no_flip rot3} \textbf{test} & 4 & 4 (100.00\%) & 4 (100.00\%) & 4 (100.00\%) & 3 (75.00\%) \\ \textbf{C} 106 \textbf{no_flip printed_only rot0} \textbf{test} & 4 & 4 (100.00\%) & 4 (100.00\%) & 4 (100.00\%) & 4 (100.00\%) & 4 (100.00\%) \\ \textbf{C} 106 \textbf{no_flip printed_only rot0} \textbf{test} & 4 & 4 (100.00\%) & 4 (100.00\%) & 4 (100.00\%) & 4 (100.00\%) & 4 (100.00\%) & 4 (100.00\%) \\ \textbf{C} 106 no_fli$	C106 handwritten_only no_flip rot1 test	4	4 (100.00%)	4 (100.00%)	3 (75.00%)	0 (0.00%)	0 (0.00%)
$ \begin{array}{c} \textbf{C} 106 \textbf{handwritten_only} \textbf{no_flip rot2} \textbf{test} & 4 & 4 & (100.00\%) & 4 & (100.00\%) & 4 & (100.00\%) & 3 & (75.00\%) \\ \textbf{C} 106 \textbf{handwritten_only} \textbf{no_flip rot2} \textbf{train} & 4 & 4 & (100.00\%) & 4 & (100.00\%) & 4 & (100.00\%) & 3 & (75.00\%) \\ \textbf{C} 106 \textbf{handwritten_only} \textbf{no_flip rot3} \textbf{test} & 4 & 4 & (100.00\%) & 4 & (100.00\%) & 4 & (100.00\%) & 0 & (0.00\%) \\ \textbf{C} 106 \textbf{handwritten_only} \textbf{no_flip rot3} \textbf{train} & 4 & 4 & (100.00\%) & 4 & (100.00\%) & 4 & (100.00\%) & 4 & (100.00\%) \\ \textbf{C} 106 \textbf{mixed_print_hand no_flip rot0} \textbf{test} & 4 & 4 & (100.00\%) & 4 & (100.00\%) & 4 & (100.00\%) & 3 & (75.00\%) \\ \textbf{C} 106 \textbf{mixed_print_hand no_flip rot0} \textbf{test} & 4 & 4 & (100.00\%) & 4 & (100.00\%) & 4 & (100.00\%) & 4 & (100.00\%) \\ \textbf{C} 106 \textbf{mixed_print_hand no_flip rot1} \textbf{test} & 4 & 4 & (100.00\%) & 4 & (100.00\%) & 4 & (100.00\%) & 4 & (100.00\%) \\ \textbf{C} 106 \textbf{mixed_print_hand no_flip rot1} \textbf{test} & 4 & 4 & (100.00\%) & 4 & (100.00\%) & 4 & (100.00\%) & 0 & (0.00\%) \\ \textbf{C} 106 \textbf{mixed_print_hand no_flip rot2} \textbf{test} & 4 & 4 & (100.00\%) & 4 & (100.00\%) & 4 & (100.00\%) & 3 & (75.00\%) \\ \textbf{C} 106 \textbf{mixed_print_hand no_flip rot2} \textbf{test} & 4 & 4 & (100.00\%) & 4 & (100.00\%) & 4 & (100.00\%) & 3 & (75.00\%) \\ \textbf{C} 106 \textbf{mixed_print_hand no_flip rot3} \textbf{test} & 4 & 4 & (100.00\%) & 4 & (100.00\%) & 4 & (100.00\%) & 3 & (75.00\%) \\ \textbf{C} 106 \textbf{mixed_print_hand no_flip rot3} \textbf{test} & 4 & 4 & (100.00\%) & 4 & (100.00\%) & 4 & (100.00\%) & 3 & (75.00\%) \\ \textbf{C} 106 \textbf{mixed_print_hand no_flip rot3} \textbf{test} & 4 & 4 & (100.00\%) & 4 & (100.00\%) & 4 & (100.00\%) & 3 & (75.00\%) \\ \textbf{C} 106 \textbf{mixed_print_hand no_flip rot3} \textbf{test} & 4 & 4 & (100.00\%) & 4 & (100.00\%) & 4 & (100.00\%) & 3 & (75.00\%) \\ \textbf{C} 106 \textbf{no_flip printed_only rot0} \textbf{test} & 4 & 4 & (100.00\%) & 4 & (100.00\%) & 4 & (100.00\%) & 4 & (100.00\%) \\ \textbf{C} 106 \textbf{no_flip printed_only rot0} \textbf{test} & 4 & 4 & (100.00\%) & 4 & (100.00\%) & 4 & (100.00\%) & 4 & (100.00\%) & 4 & (100.00\%) \\ \textbf{C} 106 no_flip printed_only rot$	C106 handwritten_only no_flip rot1 train	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	3 (75.00%)	3 (75.00%)
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		4	4 (100.00%)	4 (100.00%)	4 (100.00%)	1 (25.00%)	1 (25.00%)
$ \begin{array}{c} \textbf{C106} \textbf{handwritten_only} \textbf{no_flip rot3} \textbf{test} & 4 & 4 (100.00\%) & 4 (100.00\%) & 4 (100.00\%) & 0 (0.00\%) & 0 (0.00\%) \\ \textbf{C106} \textbf{handwritten_only} \textbf{no_flip rot3} \textbf{train} & 4 & 4 (100.00\%) & 4 (100.00$	· · · · · · · · · · · · · · · · · · ·	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	3 (75.00%)	
$ \begin{array}{c} \textbf{C} 106 \text{mixed_print_hand} \text{no_flip rot0 test} & 4 & 4 (100.00\%) & 4 (100.00\%) & 4 (100.00\%) & 3 (75.00\%) \\ \textbf{C} 106 \text{mixed_print_hand} \text{no_flip rot0 train} & 4 & 4 (100.00\%) & 4 (100.00\%) & 4 (100.00\%) & 4 (100.00\%) & 4 (100.00\%) \\ \textbf{C} 106 \text{mixed_print_hand} \text{no_flip rot1 test} & 4 & 4 (100.00\%) & 4 (100.00\%) & 4 (100.00\%) & 4 (100.00\%) & 0 (0.00\%) \\ \textbf{C} 106 \text{mixed_print_hand} \text{no_flip rot1 train} & 4 & 4 (100.00\%) & 4 (100.00\%) & 4 (100.00\%) & 3 (75.00\%) & 3 (75.00\%) \\ \textbf{C} 106 \text{mixed_print_hand} \text{no_flip rot2 test} & 4 & 4 (100.00\%) & 4 (100.00\%) & 4 (100.00\%) & 0 (0.00\%) & 0 (0.00\%) \\ \textbf{C} 106 \text{mixed_print_hand} \text{no_flip rot2 train} & 4 & 4 (100.00\%) & 4 (100.00\%) & 4 (100.00\%) & 3 (75.00\%) & 3 (75.00\%) \\ \textbf{C} 106 \text{mixed_print_hand} \text{no_flip rot3 test} & 4 & 4 (100.00\%) & 4 (100.00\%) & 4 (100.00\%) & 3 (75.00\%) & 3 (75.00\%) \\ \textbf{C} 106 \text{mixed_print_hand} \text{no_flip rot3 train} & 4 & 4 (100.00\%) & 4 (100.00\%) & 4 (100.00\%) & 3 (75.00\%) & 3 (75.00\%) \\ \textbf{C} 106 \text{no_flip printed_only rot0 test} & 4 & 4 (100.00\%) & 4 (100.00\%) & 4 (100.00\%) & 4 (100.00\%) & 4 (100.00\%) & 4 (100.00\%) \\ \textbf{C} 106 \text{no_flip printed_only rot0 train} & 4 & 4 (100.00\%) & 4 (100.00\%) & 4 (100.00\%) & 4 (100.00\%) & 4 (100.00\%) \\ \textbf{C} 106 \text{no_flip printed_only rot1 test} & 4 & 4 (100.00\%) & 4 (100.00\%) & 4 (100.00\%) & 4 (100.00\%) & 4 (100.00\%) \\ \textbf{C} 106 \text{no_flip printed_only rot2 test} & 4 & 4 (100.00\%) & 4 (100.00\%) & 4 (100.00\%) & 4 (100.00\%) & 4 (100.00\%) \\ \textbf{C} 106 \text{no_flip printed_only rot2 test} & 4 & 4 (100.00\%) & 4 (100.00\%) & 4 (100.00\%) & 4 (100.00\%) & 4 (100.00\%) \\ \textbf{C} 106 \text{no_flip printed_only rot3 test} & 4 & 4 (100.00\%) & 4 (100.00\%) & 4 (100.00\%) & 4 (100.00\%) & 4 (100.00\%) \\ \textbf{C} 106 \text{no_flip printed_only rot3 test} & 4 & 4 (100.00\%) & 4 (100.00\%) & 4 (100.00\%) & 4 (100.00\%) & 4 (100.00\%) \\ \textbf{C} 106 \text{no_flip printed_only rot3 test} & 4 & 4 (100.00\%) & 4 (100.00\%) & 4 (100.00\%) & 4 (100.00\%) & 4 (100.00\%) \\ \textbf{C} 106 no_flip printed_only rot3 t$	C106 handwritten_only no_flip rot3 test	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	0 (0.00%)	0 (0.00%)
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	C106 handwritten_only no_flip rot3 train	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	C106 mixed_print_hand no_flip rot0 test	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	3 (75.00%)	3 (75.00%)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	C106 mixed_print_hand no_flip rot0 train	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	C106 mixed_print_hand no_flip rot1 test	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	0 (0.00%)	0 (0.00%)
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	C106 mixed_print_hand no_flip rot1 train	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	3 (75.00%)	3 (75.00%)
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	C106 mixed_print_hand no_flip rot2 test	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	0 (0.00%)	0 (0.00%)
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	C106 mixed_print_hand no_flip rot2 train	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	3 (75.00%)	3 (75.00%)
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$			` '	* * * * * * * * * * * * * * * * * * * *	,	0 (0.00%)	,
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$ \begin{array}{cccccccccccccccccccccccccccccccccccc$,	` '	, ,	,	,
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$			` '	` ,	` ,		
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$,	` '	, ,	,	4 (100.00%)
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$,	` '	, ,	,	, ,
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$,	,	, ,	,	, ,
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$,		, ,	,	, ,
$ C413 \text{flip} \text{handwritten_only} \text{rot0} \text{test} \\ 8 \qquad 8 \ (100.00\%) \\ \qquad 8 \ (100.00\%) \\ \qquad 8 \ (100.00\%) \\ \qquad 1 \ (12.50\%) \\ \qquad 1 \ (12.50\%) \\$			` '	` '	,		, ,
			,	,	,	,	,
	C413 flip handwritten_only rot1 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)

C413	tag	total_count	json_correct	structure_correct	type_correct	edge_correct	all_correct
CH138 pulmosed partal handrot(test	C413 flip handwritten_only rot2 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
C413 physical_print_ham collises		8	` ,	,	` ,	0 (0.00%)	` ,
C418 Injunised_print_hand nuclitiest 8	C413 flip mixed_print_hand rot0 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
C113	C413 flip mixed_print_hand rot1 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	
C413 hippiprinted_only rotations 8 8 (100,0095) 8 (100,0095) 8 (100,0095) 0 (100,009	C413 flip mixed_print_hand rot2 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	1 (12.50%)	1 (12.50%)
C413 C413 C415 C	$C413 flip mixed_print_hand rot3 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
C413	$C413 flip printed_only rot0 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	3 (37.50%)	3 (37.50%)
CH13 Indeprinted_only roc3 test	$C413 flip printed_only rot1 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
C413 Bandwritten_only no_flip rot test	$C413 flip printed_only rot2 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
C413 anadwritten_only no_flip rotl lest	$C413 flip printed_only rot3 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0~(0.00%)	0~(0.00%)
C413 handwritten_only no_flip rot test	C413 handwritten_only no_flip rot0 test	4	4~(100.00%)	4 (100.00%)	3 (75.00%)	3~(75.00%)	3~(75.00%)
C413 Bandwritten_only on_flip rot2 tests	C413 handwritten_only no_flip rot0 train	4	4~(100.00%)	4 (100.00%)	4~(100.00%)	2 (50.00%)	2~(50.00%)
C413 andwritten_only no_flip rot2 train	C413 handwritten_only no_flip rot1 test	4	4~(100.00%)	4 (100.00%)	, ,	0 (0.00%)	0~(0.00%)
C413 handwritten_only no_flip rot2 train	C413 handwritten_only no_flip rot1 train	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	2 (50.00%)	2~(50.00%)
C413 handwritten_only no_flip rot3 test	$C413 handwritten_only no_flip rot2 test$	4	4 (100.00%)	` ,	4 (100.00%)	` ,	0 (0.00%)
C413 andwritten_only no_flip rot3 train	C413 handwritten_only no_flip rot2 train	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	2 (50.00%)	2~(50.00%)
C413 mixed_print_hand no_flip rot0 test	$C413 handwritten_only no_flip rot3 test$	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	` ,	` ′
C413 mixed_print_hand no_flip rot0 train	C413 handwritten_only no_flip rot3 train	4	` /	4 (100.00%)	4 (100.00%)	1 (25.00%)	,
C413 mixed_print_hand no_flip rot1 test			,	4 (100.00%)	` ,	4 (100.00%)	,
C413 mixed_print_hand no_flip rot1 train		4	,	,	4 (100.00%)	` '	
C413 mixed_print_hand no_flip rot2 test			` ,	` ,	4 (100.00%)	` ′	` ,
C413 mixed_print_hand no_flip rot2 train		4	` ,	` ,	,	` ′	` ,
C413 mixed_print_hand no_flip rot3 train 4 4 (100.00%) 4 (100.00%) 4 (100.00%) 0 (0.00%) 0 (0.00%) C413 mixed_print_hand no_flip rot3 train 4 4 (100.00%) 4 (100.00%) 4 (100.00%) 0 (0.00%) 0 (0.00%) C413 no_flip printed_only rot0 text 4 4 (100.00%) 3 (75.00%) 3 (75.00%) 3 (75.00%) 3 (75.00%) 3 (75.00%) 3 (75.00%) 3 (75.00%) 3 (75.00%) 3 (75.00%) 3 (75.00%) 3 (75.00%) 3 (75.00%) 3 (75.00%) 3 (75.00%) 3 (75.00%) 3 (75.00%) 3 (75.00%) 3 (75.00%) 4 (100.00%) 4 (100.00%)			` ,	,	,	, ,	` ,
C413 mixed_print_hand no_flip rot3 train 4 4 (100.00%) 4 (100.00%) 4 (100.00%) 0 (0.00%) 0 (0.00%) C413 no_flip printed_only rot0 train 4 4 (100.00%) 4			,	,	` ,	,	` ,
C413 no_flip printed_only rot0 test 4 4 (100.00%) 3 (75.00%) 4 (100.00%) 4 (100.00%) 4 (100.00%) 4 (100.00%) 4 (100.00%) 4 (100.00%) 4 (100.00%) 4 (100.0			,	* * * * * * * * * * * * * * * * * * * *	, ,	, ,	` ′
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$ \begin{array}{c} C445 \text{flip} \text{handwritten_only} \text{rot0} \text{test} \\ \text{C445} \text{flip} \text{handwritten_only} \text{rot1} \text{test} \\ \text{S} & 8 (100.00\%) \\ \text{C445} \text{flip} \text{handwritten_only} \text{rot1} \text{test} \\ \text{S} & 8 (100.00\%) \\ \text{C445} \text{flip} \text{handwritten_only} \text{rot2} \text{test} \\ \text{S} & 8 (100.00\%) \\ \text{C445} \text{flip} \text{handwritten_only} \text{rot3} \text{test} \\ \text{S} & 8 (100.00\%) \\ \text{C445} \text{flip} \text{handwritten_only} \text{rot3} \text{test} \\ \text{S} & 8 (100.00\%) \\ \text{C445} \text{flip} \text{mixed_print_hand} \text{rot0} \text{test} \\ \text{S} & 8 (100.00\%) \\ \text{C445} \text{flip} \text{mixed_print_hand} \text{rot1} \text{test} \\ \text{S} & 8 (100.00\%) \\ \text{C445} \text{flip} \text{mixed_print_hand} \text{rot1} \text{test} \\ \text{S} & 8 (100.00\%) \\ \text{C445} \text{flip} \text{mixed_print_hand} \text{rot2} \text{test} \\ \text{S} & 8 (100.00\%) \\ \text{C445} \text{flip} \text{mixed_print_hand} \text{rot3} \text{test} \\ \text{S} & 8 (100.00\%) \\ \text{C445} \text{flip} \text{printed_only} \text{rot0} \text{test} \\ \text{S} & 8 (100.00\%) \\ \text{C445} \text{flip} \text{printed_only} \text{rot0} \text{test} \\ \text{S} & 8 (100.00\%) \\ \text{C445} \text{flip} \text{printed_only} \text{rot1} \text{test} \\ \text{S} & 8 (100.00\%) \\ \text{C445} \text{flip} \text{printed_only} \text{rot1} \text{test} \\ \text{S} & 8 (100.00\%) \\ \text{C445} \text{flip} \text{printed_only} \text{rot1} \text{test} \\ \text{S} & 8 (100.00\%) \\ \text{C445} \text{flip} \text{printed_only} \text{rot2} \text{test} \\ \text{S} & 8 (100.00\%) \\ \text{C445} \text{flip} \text{printed_only} \text{rot2} \text{test} \\ \text{S} & 8 (100.00\%) \\ \text{C445} \text{flip} \text{printed_only} \text{rot2} \text{test} \\ \text{S} & 8 (100.00\%) \\ \text{C445} \text{flip} \text{printed_only} \text{rot2} \text{test} \\ \text{S} & 8 (100.00\%) \\ \text{C445} \text{flip} \text{printed_only} \text{rot2} \text{test} \\ \text{S} & 8 (100.00\%) \\ \text{C445} \text{handwritten_only} \text{no} \text{flip} \text{rot1} \text{test} \\ \text{S} & 8 (100.00\%) \\ \text{C445} \text{handwritten_only} \text{no} \text{flip} \text{rot1} \text{test} \\ \text{S} & 8 (100.00\%) \\ \text{C445} \text{handwritten_only} \text{no} \text{flip} \text{rot1} \text{test} \\ \text{S} & \text{C440.000\%} \\ \text{C445} \text{handwritten_only} \text{no} \text{flip} \text{rot1} \text{test} \\ \text{S} & \text{C445} $			` ,	,		, ,	,
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$ \begin{array}{c} C445 \text{flip} \text{handwritten_only} \text{rot3} \text{test} \\ 8 & 8 & (100.00\%) \\ C445 \text{flip} \text{mixed_print_hand} \text{rot0} \text{test} \\ 8 & 8 & (100.00\%) \\ C445 \text{flip} \text{mixed_print_hand} \text{rot0} \text{test} \\ 8 & 8 & (100.00\%) \\ C445 \text{flip} \text{mixed_print_hand} \text{rot1} \text{test} \\ 8 & 8 & (100.00\%) \\ C445 \text{flip} \text{mixed_print_hand} \text{rot1} \text{test} \\ 8 & 8 & (100.00\%) \\ C445 \text{flip} \text{mixed_print_hand} \text{rot2} \text{test} \\ 8 & 8 & (100.00\%) \\ C445 \text{flip} \text{mixed_print_hand} \text{rot3} \text{test} \\ 8 & 8 & (100.00\%) \\ C445 \text{flip} \text{mixed_print_hand} \text{rot3} \text{test} \\ 8 & 8 & (100.00\%) \\ C445 \text{flip} \text{mixed_print_hand} \text{rot3} \text{test} \\ 8 & 8 & (100.00\%) \\ C445 \text{flip} \text{printed_only} \text{rot0} \text{test} \\ 8 & 8 & (100.00\%) \\ C445 \text{flip} \text{printed_only} \text{rot1} \text{test} \\ 8 & 8 & (100.00\%) \\ C445 \text{flip} \text{printed_only} \text{rot2} \text{test} \\ 8 & 8 & (100.00\%) \\ C445 \text{flip} \text{printed_only} \text{rot3} \text{test} \\ 8 & 8 & (100.00\%) \\ C445 \text{flip} \text{printed_only} \text{rot3} \text{test} \\ 8 & 8 & (100.00\%) \\ C445 \text{flip} \text{printed_only} \text{rot3} \text{test} \\ 8 & 8 & (100.00\%) \\ C445 \text{flip} \text{printed_only} \text{rot3} \text{test} \\ 8 & 8 & (100.00\%) \\ C445 \text{flip} \text{printed_only} \text{rot1} \text{test} \\ 8 & 8 & (100.00\%) \\ C445 \text{flip} \text{printed_only} \text{rot1} \text{test} \\ 8 & 8 & (100.00\%) \\ C445 \text{flip} \text{printed_only} \text{rot1} \text{test} \\ 9 & 8 & (100.00\%) \\ C445 \text{flip} \text{printed_only} \text{rot1} \text{test} \\ 9 & 8 & (100.00\%) \\ C445 \text{flip} \text{printed_only} \text{rot1} \text{test} \\ 9 & 8 & (100.00\%) \\ C445 \text{flip} \text{printed_only} \text{rot1} \text{test} \\ 9 & 8 & (100.00\%) \\ C445 \text{flip} \text{printed_only} \text{rot1} \text{test} \\ 9 & 8 & (100.00\%) \\ C445 \text{flip} \text{printed_only} \text{rot1} \text{test} \\ 9 & 8 & (100.00\%) \\ C445 \text{flip} \text{printed_only} \text{rot1} \text{test} \\ 9 & 8 & (100.00\%) \\ C445 \text{flip} \text{printed_only} \text{rot1} \text{test} \\ 9 & 8 & (100.00\%) \\ C445 \text{flip} \text{rot1} \text{test} \\ 9 & 8 & (100.00$			()				, ,
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$ \begin{array}{c} \text{C445} \text{flip} \text{mixed_print_hand} \text{rot3} \text{test} \\ \text{C445} \text{flip} \text{printed_only} \text{rot0} \text{test} \\ \text{S} \\ \text{S} \\ \text{I} 100.00\%) \\ \text{C445} \text{flip} \text{printed_only} \text{rot0} \text{test} \\ \text{S} \\ \text{S} \\ \text{S} \\ \text{I} 100.00\%) \\ \text{C445} \text{flip} \text{printed_only} \text{rot1} \text{test} \\ \text{S} \\ \text{S} \\ \text{S} \\ \text{I} 100.00\%) \\ \text{C445} \text{flip} \text{printed_only} \text{rot2} \text{test} \\ \text{S} \\ \text{S} \\ \text{S} \\ \text{I} 100.00\%) \\ \text{C445} \text{flip} \text{printed_only} \text{rot2} \text{test} \\ \text{S} \\ \text{S} \\ \text{S} \\ \text{I} 100.00\%) \\ \text{S} \\ \text{I} 100.00\%) \\ \text{S} \\ \text{I} 100.00\%) \\ \text{S} \\ \text{I} \\$			()	` ,	` ,	,	
$ \begin{array}{c} \text{C445 flip printed_only rot0 test} & 8 & 8 & (100.00\%) & 8 & (100.00\%) & 8 & (100.00\%) & 2 & (25.00\%) \\ \text{C445 flip printed_only rot1 test} & 8 & 8 & (100.00\%) & 8 & (100.00\%) & 8 & (100.00\%) & 0 & (0.00\%) \\ \text{C445 flip printed_only rot2 test} & 8 & 8 & (100.00\%) & 8 & (100.00\%) & 8 & (100.00\%) & 0 & (0.00\%) \\ \text{C445 flip printed_only rot3 test} & 8 & 8 & (100.00\%) & 8 & (100.00\%) & 8 & (100.00\%) & 0 & (0.00\%) \\ \text{C445 handwritten_only no_flip rot0 test} & 4 & 4 & (100.00\%) & 4 & (100.00\%) & 4 & (100.00\%) & 2 & (50.00\%) \\ \text{C445 handwritten_only no_flip rot1 test} & 4 & 4 & (100.00\%) & 4 & (100.00\%) & 4 & (100.00\%) & 4 & (100.00\%) & 4 & (100.00\%) \\ \text{C445 handwritten_only no_flip rot1 test} & 4 & 4 & (100.00\%) & 4 & (100.00\%) & 4 & (100.00\%) & 1 & (25.00\%) \\ \text{C445 handwritten_only no_flip rot1 train} & 4 & 4 & (100.00\%) & 4 & (100.00\%) & 4 & (100.00\%) & 2 & (50.00\%) \\ \text{C445 handwritten_only no_flip rot2 test} & 4 & 4 & (100.00\%) & 4 & (100.00\%) & 4 & (100.00\%) & 2 & (50.00\%) \\ \text{C445 handwritten_only no_flip rot2 test} & 4 & 4 & (100.00\%) & 4 & (100.00\%) & 4 & (100.00\%) & 2 & (50.00\%) \\ \text{C445 handwritten_only no_flip rot2 test} & 4 & 4 & (100.00\%) & 4 & (100.00\%) & 4 & (100.00\%) & 2 & (50.00\%) \\ \text{C445 handwritten_only no_flip rot3 test} & 4 & 4 & (100.00\%) & 4 & (100.00\%) & 4 & (100.00\%) & 1 & (25.00\%) \\ \text{C445 handwritten_only no_flip rot3 test} & 4 & 4 & (100.00\%) & 4 & (100.00\%) & 4 & (100.00\%) & 1 & (25.00\%) \\ \text{C445 handwritten_only no_flip rot3 test} & 4 & 4 & (100.00\%) & 4 & (100.00\%) & 4 & (100.00\%) & 3 & (75.00\%) \\ \text{C445 handwritten_only no_flip rot3 test} & 4 & 4 & (100.00\%) & 4 & (100.00\%) & 4 & (100.00\%) & 3 & (75.00\%) \\ \text{C445 handwritten_only no_flip rot3 test} & 4 & 4 & (100.00\%) & 4 & (100.00\%) & 4 & (100.00\%) & 3 & (75.00\%) \\ \text{C445 handwritten_only no_flip rot3 test} & 4 & 4 & (100.00\%) & 4 & (100.00\%) & 4 & (100.00\%) & 3 & (75.00\%) \\ \text{C445 handwritten_only no_flip rot3 test} & 4 & 4 & (100.00\%) & 4 & (100.00\%) & 4 & (100.00\%) & 3 & (75.00\%) \\ C445 handwritten_only no_flip rot$	1 -1 1 1		` ,	` ,	` ,	` ′	
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$C445 handwritten_only no_flip rot3 train \\ 4 4 \ (100.00\%) \\ 4 \ (100.00\%) 4 \ (100.00\%) \\ 3 \ (75.00\%) \\ 3 \ (75.00\%) \\ 3 \ (75.00\%)$			` ,	,	` ,	,	
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			,	,	, ,	,	` ,
$C445 mixed_print_hand no_flip rot0 train \\ 4 \qquad 4 \ (100.00\%) \\ \qquad 4 \ (100.$	$C445 mixed_print_hand no_flip rot0 train$	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)

tag	total_count	json_correct	structure_correct	type_correct	edge_correct	all_correct
$C445 mixed_print_hand no_flip rot1 test$	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	0 (0.00%)	0 (0.00%)
$C445 mixed_print_hand no_flip rot1 train$	n 4	4 (100.00%)	4 (100.00%)	4 (100.00%)	3 (75.00%)	3 (75.00%)
$C445 mixed_print_hand no_flip rot2 test$	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	0 (0.00%)	0 (0.00%)
C445 mixed_print_hand no_flip rot2 train	n 4	4 (100.00%)	4 (100.00%)	4 (100.00%)	3 (75.00%)	3 (75.00%)
$C445 mixed_print_hand no_flip rot3 test$	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	0 (0.00%)	0 (0.00%)
C445 mixed_print_hand no_flip rot3 train	n 4	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)
C445 no_flip printed_only rot0 test	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)
C445 no_flip printed_only rot0 train	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)
C445 no_flip printed_only rot1 test	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)
C445 no_flip printed_only rot1 train	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)
C445 no_flip printed_only rot2 test	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	2 (50.00%)	2 (50.00%)
C445 no_flip printed_only rot2 train	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)
C445 no_flip printed_only rot3 test	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)
C445 no_flip printed_only rot3 train	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)
C505 flip handwritten_only rot0 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	1 (12.50%)	1 (12.50%)
C505 flip handwritten_only rot1 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
C505 flip handwritten_only rot2 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
C505 flip handwritten_only rot3 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
C505 flip mixed_print_hand rot0 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	1 (12.50%)	1 (12.50%)
C505 flip mixed_print_hand rot1 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
C505 flip mixed print hand rot2 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
C505 flip mixed_print_hand rot3 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
C505 flip printed_only rot0 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	4 (50.00%)	4 (50.00%)
C505 flip printed_only rot1 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
C505 flip printed_only rot2 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
C505 flip printed_only rot3 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
C505 handwritten_only no_flip rot0 test	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	3 (75.00%)	3 (75.00%)
C505 handwritten_only no_flip rot0 train	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)
C505 handwritten_only no_flip rot1 test	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	1 (25.00%)	1 (25.00%)
C505 handwritten_only no_flip rot1 train	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	3 (75.00%)	3 (75.00%)
C505 handwritten_only no_flip rot2 test	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	0 (0.00%)	0 (0.00%)
C505 handwritten_only no_flip rot2 train	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	2 (50.00%)	2 (50.00%)
C505 handwritten_only no_flip rot3 test	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	2 (50.00%)	2 (50.00%)
C505 handwritten_only no_flip rot3 train	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	3 (75.00%)	3 (75.00%)
C505 mixed_print_hand no_flip rot0 test	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	2 (50.00%)	2 (50.00%)
C505 mixed_print_nand no_mp roto test C505 mixed_print_hand no_flip rot0 train		4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)
C505 mixed_print_hand no_flip rot1 test	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	2 (50.00%)	2 (50.00%)
C505 mixed_print_hand no_flip rot1 train		4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)
C505 mixed_print_hand no_flip rot2 test		4 (100.00%)	,	4 (100.00%)	1 (25.00%)	1 (25.00%)
	4	,	4 (100.00%)	,	4 (100.00%)	4 (100.00%)
C505 mixed_print_hand no_flip rot2 train		4 (100.00%)	4 (100.00%)	4 (100.00%)	,	` /
C505 mixed_print_hand no_flip rot3 test	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	1 (25.00%)	1 (25.00%)
C505 mixed_print_hand no_flip rot3 trair		4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)
C505 no_flip printed_only rot0 test	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)
C505 no_flip printed_only rot0 train	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)
C505 no_flip printed_only rot1 test	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	1 (25.00%)	1 (25.00%)
C505 no_flip printed_only rot1 train	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)
C505 no_flip printed_only rot2 test	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	3 (75.00%)	3 (75.00%)
C505 no_flip printed_only rot2 train	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	3 (75.00%)	3 (75.00%)
C505 no_flip printed_only rot3 test	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	2 (50.00%)	2 (50.00%)
C505 no_flip printed_only rot3 train	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)
C603 flip handwritten_only rot0 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
C603 flip handwritten_only rot1 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
C603 flip handwritten_only rot2 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
$C603 flip handwritten_only rot3 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
$C603 flip mixed_print_hand rot0 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
$C603 flip mixed_print_hand rot1 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)

tag	total_count	json_correct	structure_correct	type_correct	edge_correct	all_correct
C603 flip mixed_print_hand rot2 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
$C603 flip mixed_print_hand rot3 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
$C603 flip printed_only rot0 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	1 (12.50%)	$1\ (12.50\%)$
C603 flip printed_only rot1 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
C603 flip printed_only rot2 test	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
$C603 flip printed_only rot3 test$	8	8 (100.00%)	8 (100.00%)	8 (100.00%)	0 (0.00%)	0 (0.00%)
$C603 handwritten_only no_flip rot0 test$	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	1~(25.00%)	1~(25.00%)
$C603 handwritten_only no_flip rot0 train$	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)
$C603 handwritten_only no_flip rot1 test$	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	0 (0.00%)	0 (0.00%)
$C603 handwritten_only no_flip rot1 train$	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)
$C603 handwritten_only no_flip rot2 test$	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	0 (0.00%)	0 (0.00%)
$C603 handwritten_only no_flip rot2 train$	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	2 (50.00%)	2 (50.00%)
$C603 handwritten_only no_flip rot3 test$	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	0 (0.00%)	0 (0.00%)
$C603 handwritten_only no_flip rot3 train$	4	4~(100.00%)	4 (100.00%)	4~(100.00%)	4 (100.00%)	4 (100.00%)
$C603 mixed_print_hand no_flip rot0 test$	4	4~(100.00%)	4 (100.00%)	4~(100.00%)	1~(25.00%)	1~(25.00%)
$C603 mixed_print_hand no_flip rot0 train$	n 4	4~(100.00%)	4 (100.00%)	4~(100.00%)	4 (100.00%)	4 (100.00%)
$C603 mixed_print_hand no_flip rot1 test$	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	2 (50.00%)	2 (50.00%)
$C603 mixed_print_hand no_flip rot1 train$	n 4	4~(100.00%)	4 (100.00%)	4~(100.00%)	4 (100.00%)	4 (100.00%)
$C603 mixed_print_hand no_flip rot2 test$	4	4~(100.00%)	4 (100.00%)	4~(100.00%)	0 (0.00%)	0~(0.00%)
$C603 mixed_print_hand no_flip rot2 train$	n 4	4 (100.00%)	4 (100.00%)	4~(100.00%)	2 (50.00%)	2~(50.00%)
$C603 mixed_print_hand no_flip rot3 test$	4	4~(100.00%)	4 (100.00%)	4~(100.00%)	1~(25.00%)	1~(25.00%)
$C603 mixed_print_hand no_flip rot3 train$	n 4	4~(100.00%)	4 (100.00%)	4~(100.00%)	4 (100.00%)	4 (100.00%)
$C603 no_flip printed_only rot0 test$	4	4 (100.00%)	4 (100.00%)	4~(100.00%)	1~(25.00%)	1~(25.00%)
$C603 no_flip printed_only rot0 train$	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)
$C603 no_flip printed_only rot1 test$	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	1 (25.00%)	1~(25.00%)
$C603 no_flip printed_only rot1 train$	4	4~(100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)	4~(100.00%)
$C603 no_flip printed_only rot2 test$	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	0 (0.00%)	0~(0.00%)
$C603 no_flip printed_only rot2 train$	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)
$C603 no_flip printed_only rot3 test$	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	0 (0.00%)	0 (0.00%)
C603 no_flip printed_only rot3 train	4	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)	4 (100.00%)
handwritten_only	384	384 (100.00%)	384 (100.00%)	381 (99.22%)	108 (28.12%)	108 (28.12%)
mixed_print_hand	384	384 (100.00%)	384 (100.00%)	384 (100.00%)	$102 \ (26.56\%)$	$102 \ (26.56\%)$
printed_only	384	384 (100.00%)	384 (100.00%)	384 (100.00%)	181 (47.14%)	181 (47.14%)
C105	192	192 (100.00%)	192 (100.00%)	191 (99.48%)	73 (38.02%)	73 (38.02%)
C106	192	192 (100.00%)	192 (100.00%)	191 (99.48%)	79 (41.15%)	79 (41.15%)
C413	192	192 (100.00%)	192 (100.00%)	191 (99.48%)	53 (27.60%)	53 (27.60%)
C445	192	192 (100.00%)	192 (100.00%)	192 (100.00%)	63 (32.81%)	63 (32.81%)
C505	192	192 (100.00%)	192 (100.00%)	192 (100.00%)	71 (36.98%)	71 (36.98%)
C603	192	192 (100.00%)	192 (100.00%)	192 (100.00%)	52 (27.08%)	52 (27.08%)
flip	576	576 (100.00%)	576 (100.00%)	576 (100.00%)	38 (6.60%)	38~(6.60%)
no_flip	576	576 (100.00%)	576 (100.00%)	573 (99.48%)	353 (61.28%)	$353 \ (61.28\%)$
rot0	288	288 (100.00%)	288 (100.00%)	287 (99.65%)	149 (51.74%)	149 (51.74%)
rot1	288	288 (100.00%)	288 (100.00%)	287 (99.65%)	83 (28.82%)	83 (28.82%)
rot2	288	288 (100.00%)	288 (100.00%)	287 (99.65%)	75 (26.04%)	75 (26.04%)
rot3	288	288 (100.00%)	288 (100.00%)	288 (100.00%)	84 (29.17%)	84 (29.17%)
train	288	288 (100.00%)	288 (100.00%)	288 (100.00%)	234 (81.25%)	234 (81.25%)
test	864	864 (100.00%)	864 (100.00%)	861 (99.65%)	157 (18.17%)	157 (18.17%)
summary	1152	1152 (100.00%)	1152 (100.00%)	1149 (99.74%)	391 (33.94%)	391 (33.94%)