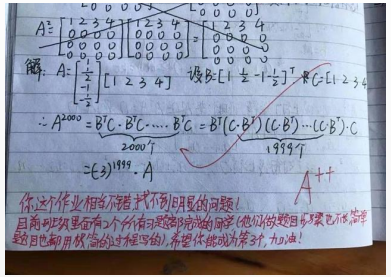
Web Demo:
www.solvegpt.net/

Smart Printer——Automated marking machine for paper-based homework

Background

Homework

Homework

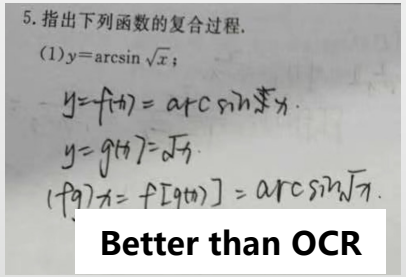


Mark by teacher

Spending several **Hours** each day **Pointing out** errors on every question

Machine

Multi-modality



Compare Answer

Correct **100** assignments in **1** **minute**, **printing** **onto** paper

Process

1. Scanned by Printer

Automatically Scanned By Printer

Fast Scan

2. Enter Correct Answer

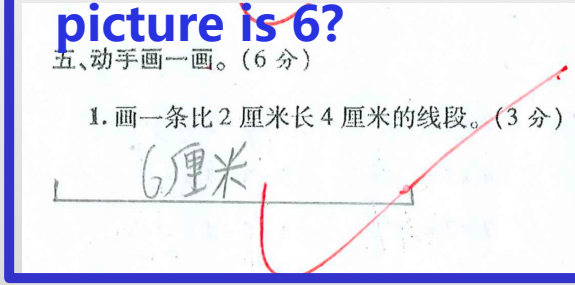
Save Paper

3. Assemble Prompt

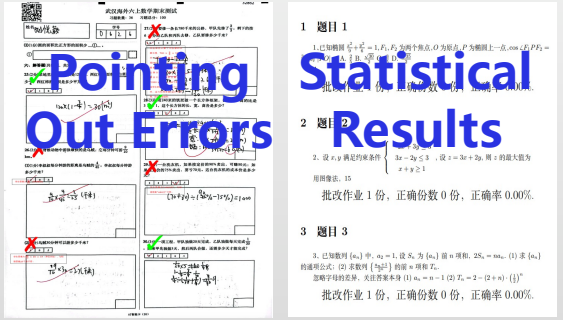
Prompt

4. Multi-modality

Whether answer in picture is 6?



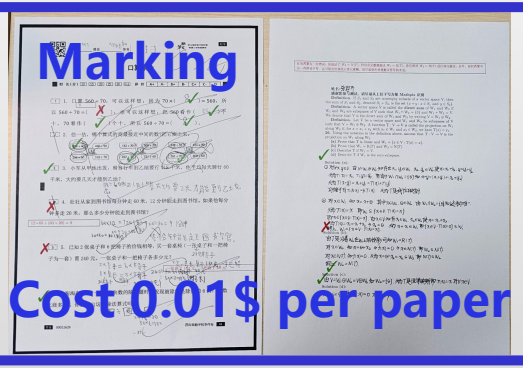
5. Form pdf by Tex



Pointing Out Errors

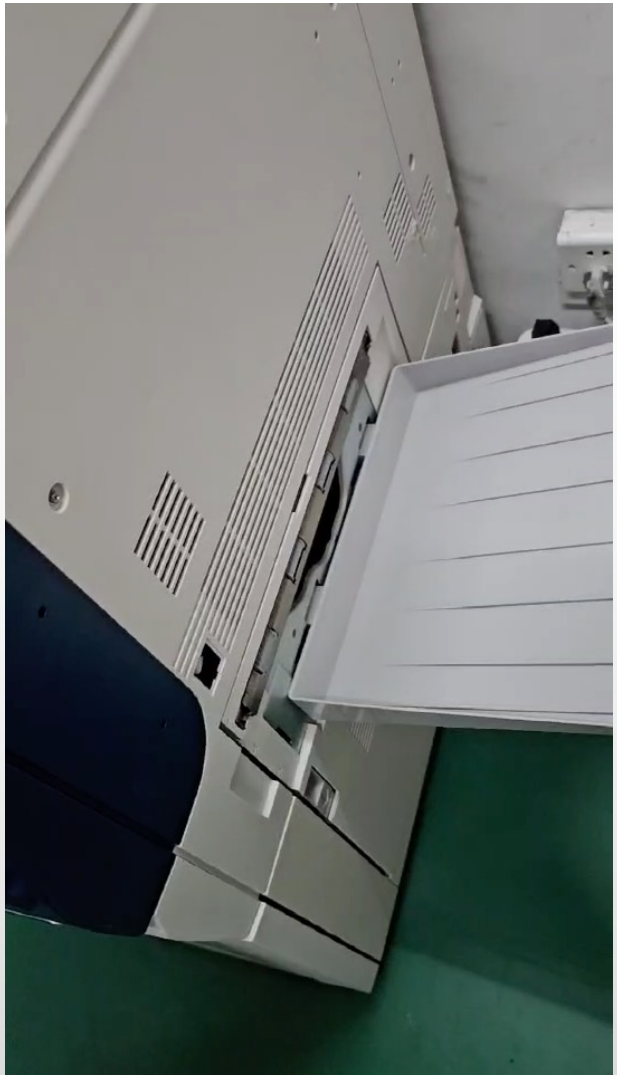
Statistical Results

6. Print by Printer

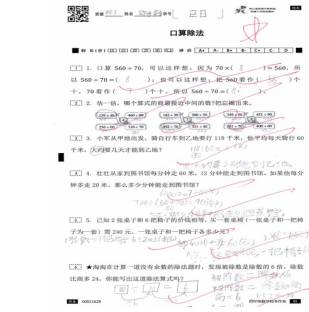


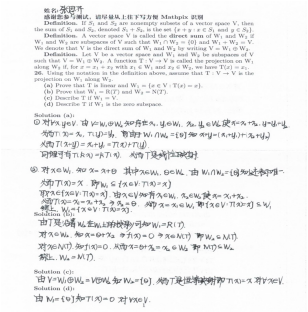
Marking

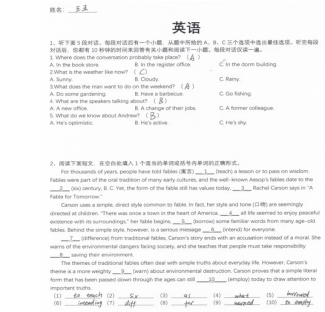
Cost 0.01$ per paper

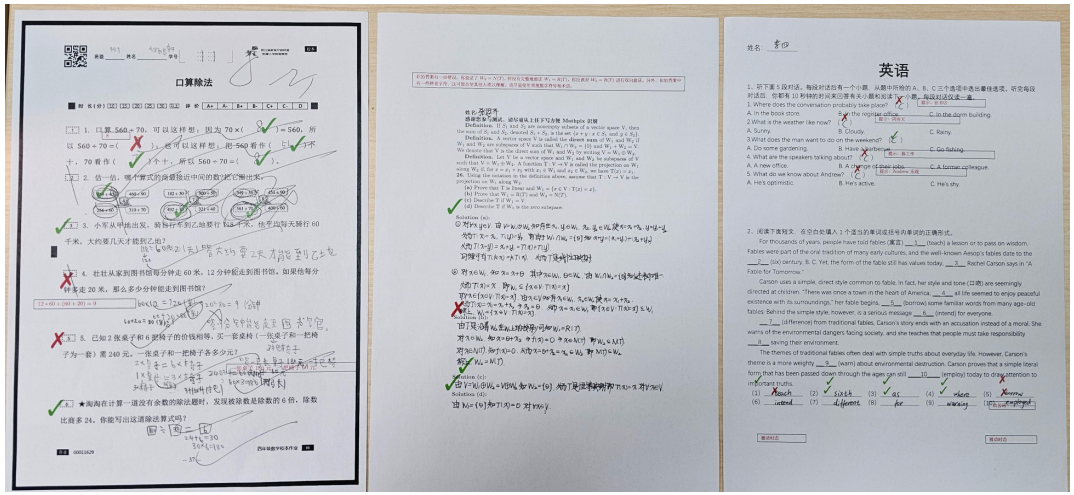


Result









Advantages

Existing limitations:
Accuracy of OCR(Mathpix,Abbyy)
Below 80%

Our Method:
Accuracy of
Multi-modality
Above 90%

High Accuracy

Existing limitations:
Marking for 100 homework
1-2 hours

Our Method:
Parallel grading
Print results
5 minutes

Practical

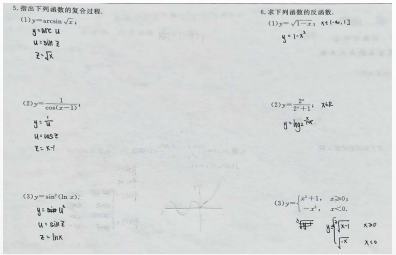
Existing limitations:
Teacher Bias
Carelessness
Only right or wrong

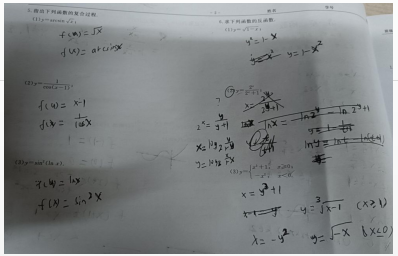
Our Method:
Absolutely neutral
Careful correction
Pointing out errors

Better for student

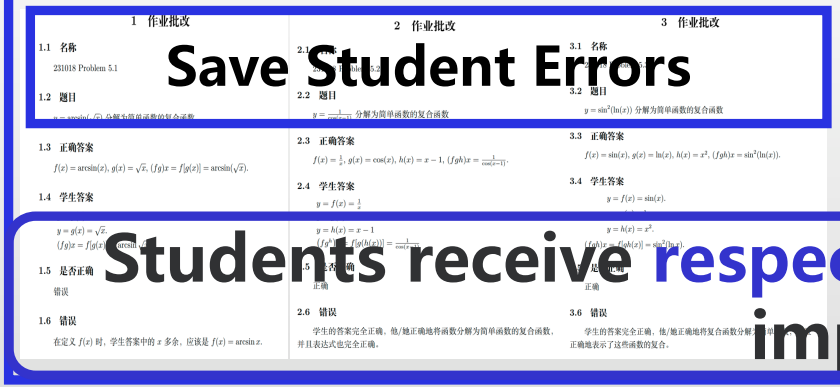
Pilot Program Participant 1

Pilot 1： Zhejiang University Calculus

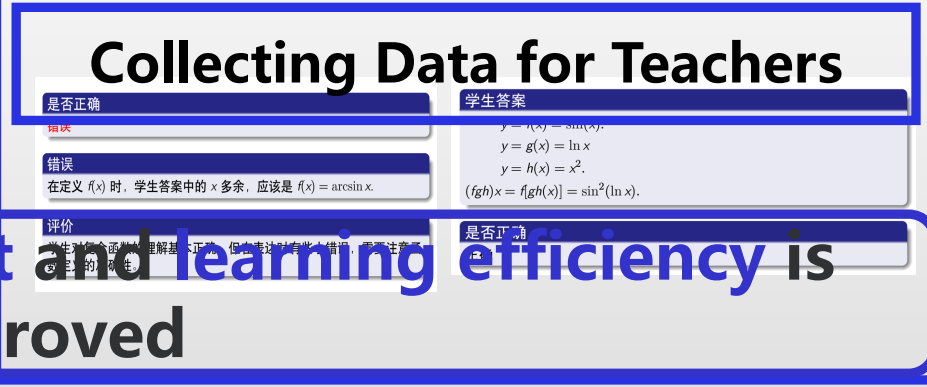




Marking 150 Homework Per week
Overall Correct Percentage 89%



Save Student Errors

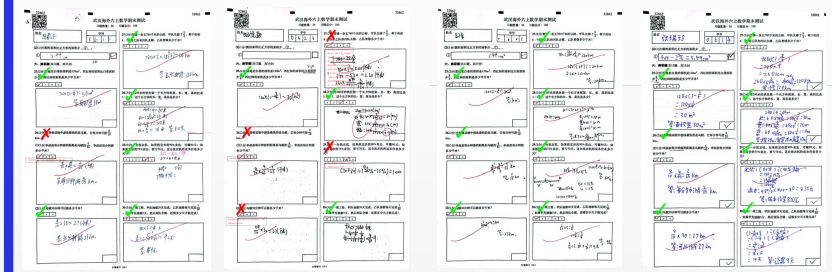


Collecting Data for Teachers

Students receive respect and learning efficiency is improved

Pilot Program Participant 2

Pilot 2： Wuhan Foreign Languages School



Mark on Math Homework,
Correct: 221/240,
Accuracy: 88%

Current system requires teachers to manually correct and then take photos into the system, which actually increases the burden.
The school’ s vice-principal stated:
“Our product has solved existing issues and has practical value ! "

Thanks for listening!
Live Q&A