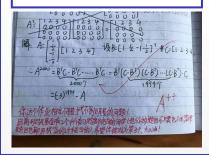
Web Demo: www.solvegpt.net/

Smart Printer— Automated marking machine for paper-based homework

Background

Homework



Mark by teacher



Spending several
Hours each day
Pointing out
errors on every
question

Multi-modality

5.指出下列函数的复合过程。 (1) y=arcsin√x; y=fth) = arcsin まれ。 y=gth 7=J+。 (fa) オニ f [gth)] = arcsin Jカ. Better than OCR

Compare Answer





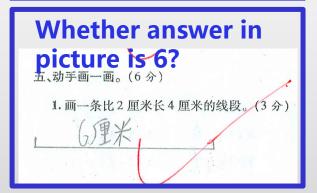
Correct 100 assignments in 1 minute, printing onto paper

Process

1. Scanned by Printer



4. Multi-modality



2. Enter Correct Answer



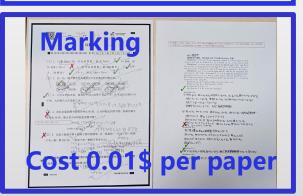
5. Form pdf by Tex

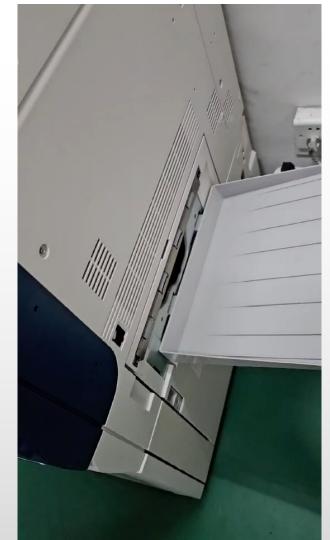


3. Assemble Prompt



6. Print by Printer





Result



We design a supersystem of the supersystem of a vertex space V, then Definition, If S_1 and S_2 are nonrepresentative of a vertex space V, then Definition, If S_2 and S_3 are nonrepresentative of a vertex space V, then Definition, A vertex space V is subthet the sum of W and WV, and WV and WV

ONTHX.yeV. 由比W.OW.知序世久, Y.OW. 名, LeV.使不不仅, Y-U-L. がかいかった。たいようとり、智動子Wi NW、ことの子がカナリー(ス・ナリ・)ナル・リッ $A(T_0,T(x+y)=x_0+y_0=T(x_0)+T(y_0)$ | 対象の対象を表しなが、(P.174=(P.41)は上海上海上海上海上海

② 对xcW, 知 x= x+9 其中xcW, 9cW, 由 W,∩W,=(日知此初唯一 大角 T(x)= x . 関 W, S {x GV: T(x)=x} 用73cfxcv·Tlかっす) 由スcV加育スcW, なeW. 使スース+な。 個Tlかースース・ス・ラス=日、 4节ス=スcW, 事(スcV·Tlかっす) s.W, 便上、W.+(スcV·Tlかっな)

由了是沿着W.在W.上的投影可知W.=R(T) THROW, APROPERS PHINOSO PROMIT THE CANT 对为GNIT). 知f(x)=0. 从南水=8+发=水。6 Ws 鄞 MIT) 5 Ws 粉上、W.=M(7)

8olution (c): 古V=WiのWz=VOWLをWz={0}、外5丁是世界大明でTin)=スオヤスeV. 由 M={9]和TIXO=0 ztyxeV.



18 E.E.

英语

等下面5段对话。构段对话因有一个小概、从窗中所绘的A、B、C 三个选项中选注着佳选项。研究有段对话级。均都有10 秒钟的时间未放音有关小概和规律下一小概。构段对话仪设一遍。
 1 Where does the conversation probably take place? (点)
 A line the book shore.
 B in the algoint of fice.
 C in the dorm building.

C. Rainy.

2、阅读下面知文、在空台处填入1个适当的单词或括号内单词的正确形式。

tive for romorrow.

Carson uses a simple, direct style common to fable. In fact, her style and tone (口間) are seemingly.

fables. Selent the simple syste, however, is a serious message 6 (known) for everyone.

7. (difference) from traditional fables. Carson's story ends with an eccusation indeed of a moral. She warms of the environmental diseasers fabring society, and the teaches that people must take responsibility.

______saving their environments.
The themes of tradisional fables often deal with simple truths about everyday life. However, Carson's

●的有影句一心情况、你会会了知。一句话、他没有定意电路工事。一点可,他还是可证。一点可 语行交对情况、另外、他的哲学中有一种种言字符。以问题会使发生人也心理解、以可能会使发生的性能系统。

Single Field. (2014). It is the service of the ser

○对FXyeV. 申以NOW如存生久.yeW. 死是eVL使死不吃.yelly

大ちてスース、ハリンド、智力・W. ハルニ(の)かのツッ(スペリントストリ)

⑤ 对x6以, 40 x= x+8 其中x6以, 80以, 由以, 1以, -(自知建新唯一

ATRONS APROPERS + FIR) = O + REALTH POWS CANTS

対ならいけ) かがなーの あわなーがえニステル 野 Mit) EWL

大西丁(スーダ)=ストリーア(カトアリ) PRETTING - ATIAL AND TRANSPORTED

ATOTAL OF WE (NOW DA)

由了是的情况生从上的故事的问知以一只(力)

板 W.= MT).

由M=(9)和TIX)=0 对txey.

性化基理等 感染起尿病病,能尽量以上核下写为使 Meshpix 取得

#2: \$0 5、所下面 5 段对话。每段对话后有一个小题、从题中所给的 A、B、C 三个选项中选出最佳选项。研究每段 对话后,你都有 10 秒钟的时间来回答有关小器和阅读TX 小器。每段对话仪读一直。 A In the book store But the register office C in the dorn building 2 What is the weather like now? Suriny.

3 What does the man want to do on the weekend? (E) C. Sainy.

3 What does the man want to do on the weekend? (E) C. Sainy.

4. What we the speakers salking about?

4. What we the speakers salking about? A A new office. B. A change of their jobs. C. A former colleague.

5. What do we know about Andrew? (C.) 2、阅读下面短文、在空白处填入1个适当的单词或括号内单词的正确形式。 For thousands of years, people have told fables (繁富) ___1__ (teach) a lesson or to pass on wisdom. Carson uses a simple, cirect style common to fable. In fact, her style and tone (CDR) are seemingly

___7__ (difference) from traditional fables, Carson's story ends with an accusation instead of a moral. She viens of the environmental dangers facing society, and she teaches that people must take responsibility The themes of traditional fables often deal with simple truths about everyday life. However, Carson's

form; that has been passed down through the ages can still 10 (employ) today to draw attention to important truths.

(1) **Reach** (2) **SixEh*** (3) **a\$ (4) **Moreov*** (5) **Moreov*** (6) instead (7) different (8) for (9) warring (100 8 or unphyside

10 Ma 141 口算除法 以560+70=(X)。在可以这样想。把560看作(与人才不 十. 70新作(11十. 新弘 560+70=(1). 2. 结一倍,哪个算式的商额接近中间的数2把它搬出来。 千米、大约要几天才能到乙也。 4. 批社从家到图书馆再分钟走60米。12分钟稻走到图书馆。如果他每分 钟塞走 20 米,那么多少分钟能走到图书馆? 12-00-(00+20)-0 | 60(12-12+12)-20-50-9 (治時 X 15 8. 已知2张桌子和6把椅子的价钱相等,买一套桌椅(一张桌子和一把椅 ★海詢在计算一道沒有余數的除法题时,发现被除數是除數的6份,除数 比商多 24. 你能写出这道除法算式吗? 图·图二面 Disgressa III

Advantages

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

Our Method: Accuracy of Multi-modality Above 90% Existing limitations:
Marking for 100
homework
1-2 hours

Our Method:
Parallel grading
Print results
5 minutes

Existing limitations:
Teacher Bias
Carelessness
Only right or wrong

Our Method:
Absolutely neutral
Careful correction
Pointing out errors

High Accuracy

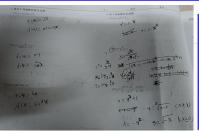
Practical

Better for student

Pilot Program Participant 1

Pilot 1: Zhejiang University Calculus



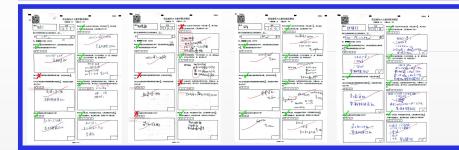


Marking 150 Homework Per week Overall Correct Percentage 89%



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