

딥러닝 기반 문서 인식

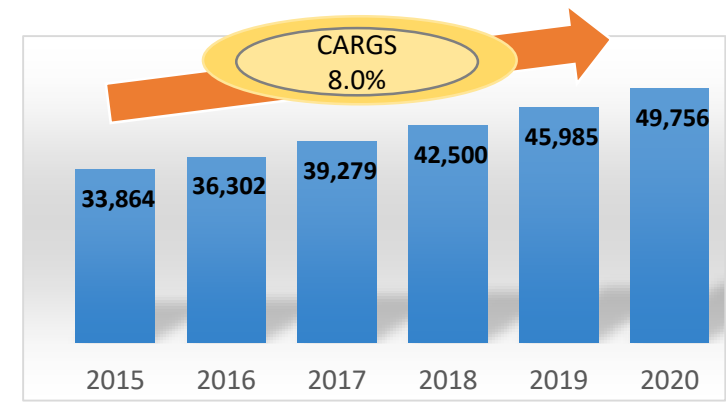
Team : IMAGIC

홍명오, 남해울, 조종현, 김민섭
지도교수 : 심동규 교수님

Needs and Goal

❖ Necessity

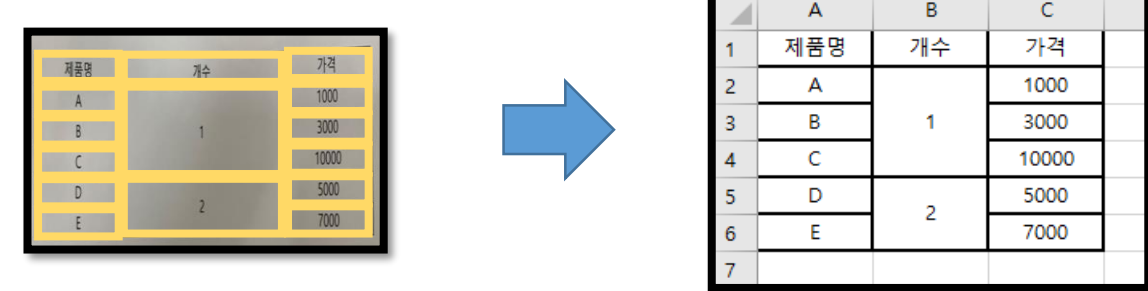
- The market for electronic documents is gradually increasing.



- There are many cases typing documents at companies or public institutions.

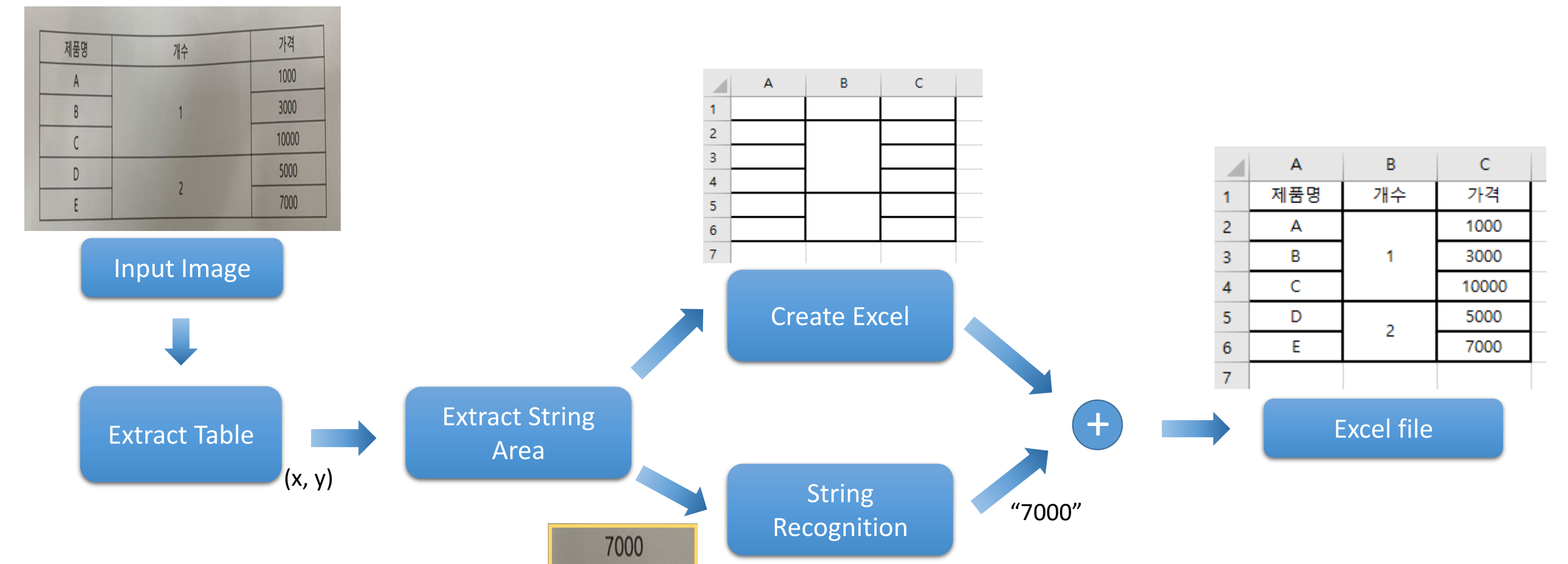
❖ Goal

Development of document recognition module based on deep learning Error rate less than 5%



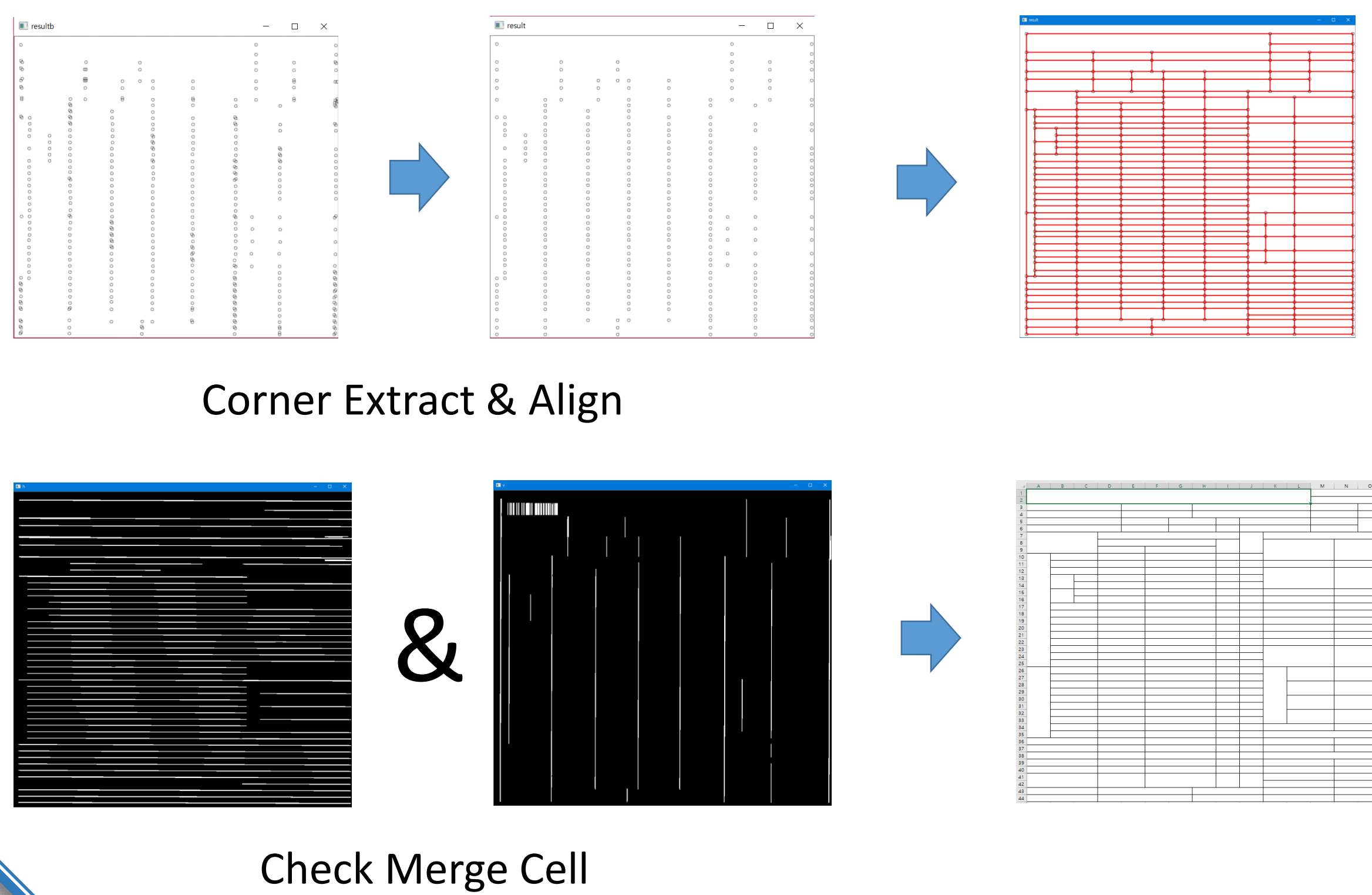
$$0.75 \text{ blocks} \leq 15 \text{ blocks} * 0.05$$

System Structure

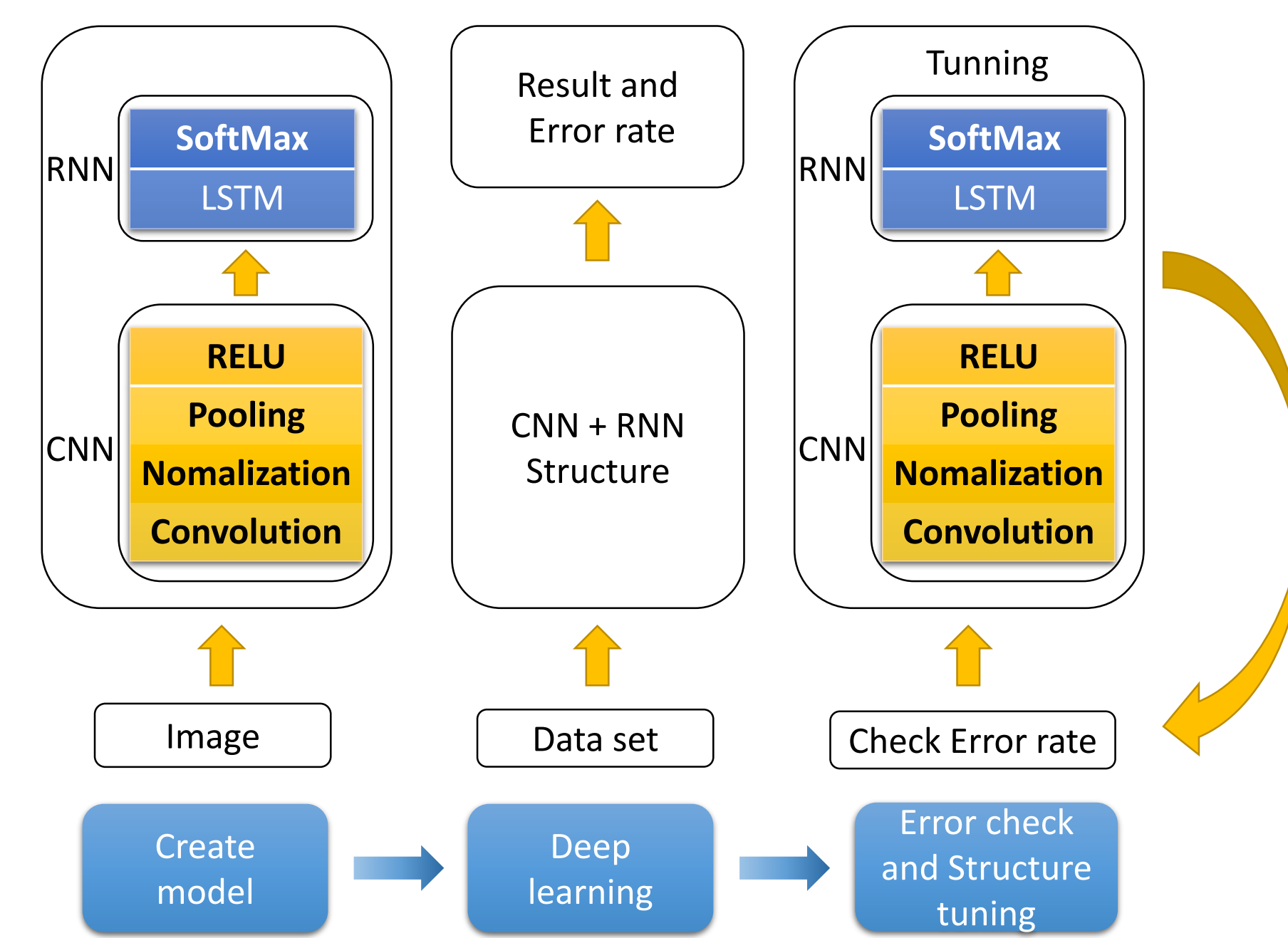


Detailed Structure

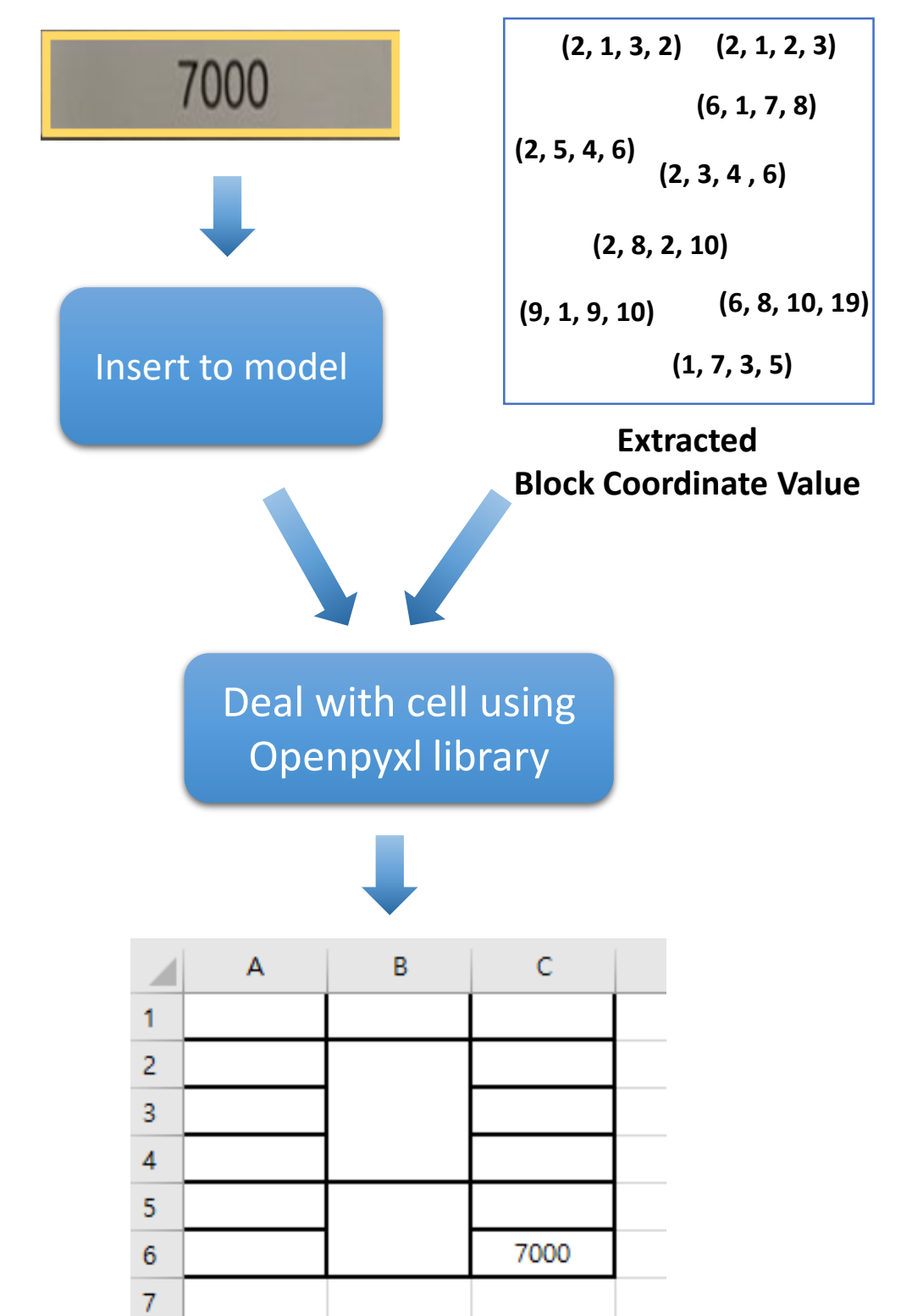
❖ Extract Table



❖ String Recognition



❖ Merge



Result

<CASE 1>

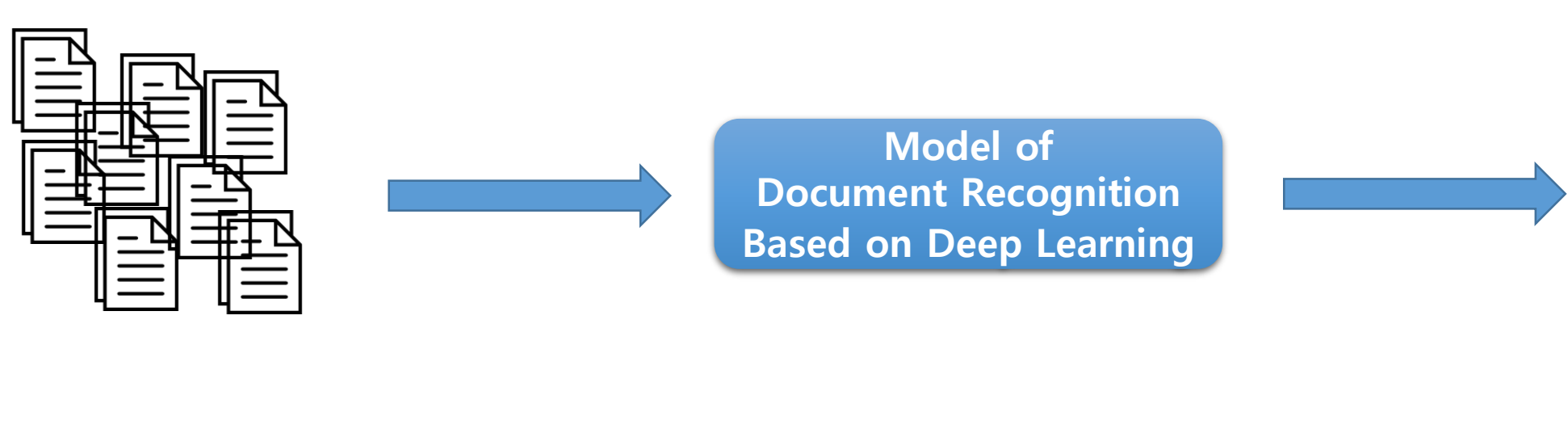
<CASE 2>

<CASE 3>

Uses & Improvement

❖ Uses

- Insurance cost request to insurance companies
- Request a loan to the bank
- work assistant of company



❖ Improvement

- Accuracy improvement through stored format of database
- Extract of accuracy improvement

