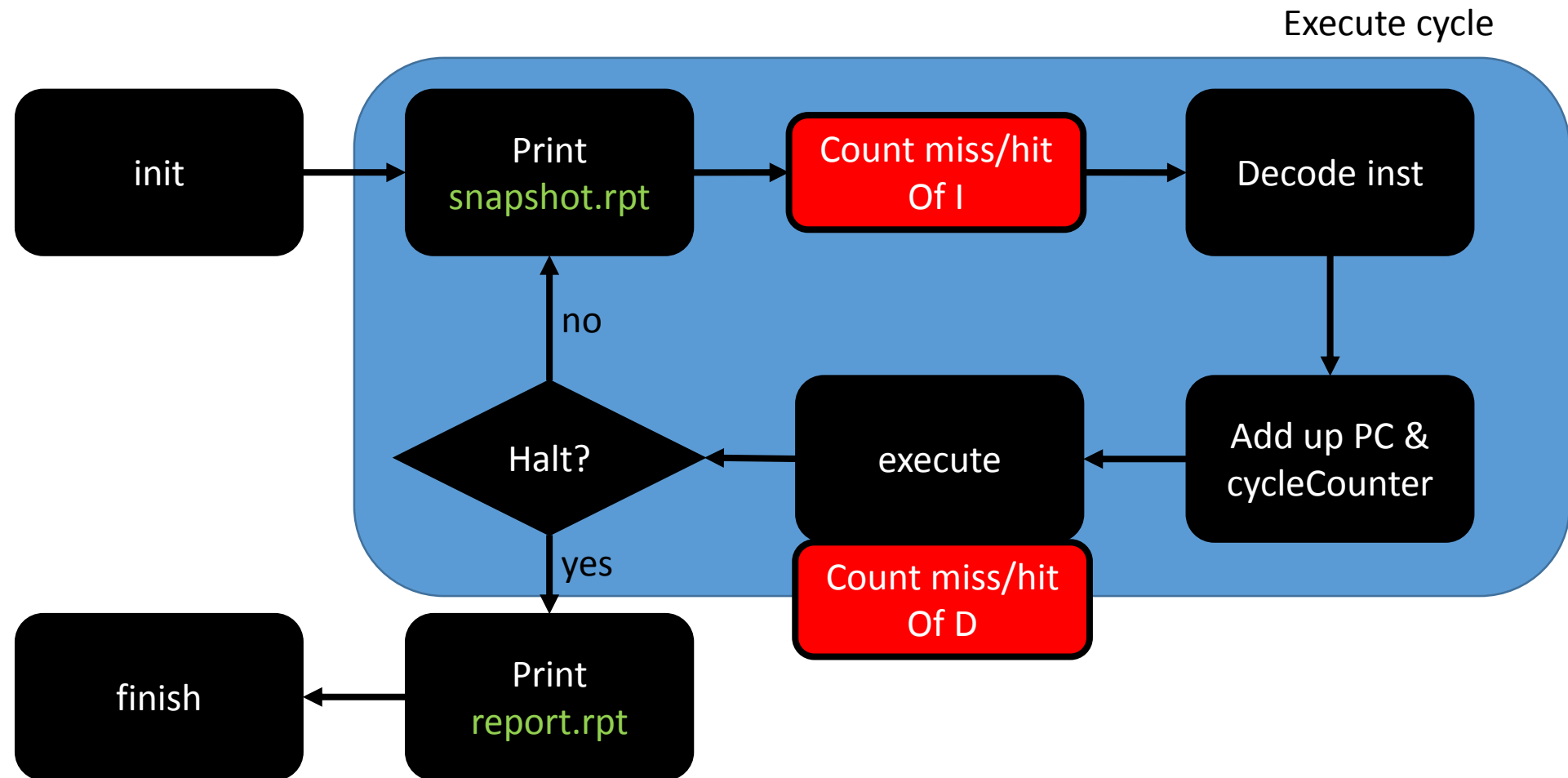


# Architecture project 3

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# Flowchart



# Short cut

足以算出report.rpt



- No implement of data path.
- 建立在proj\_1的基礎上，插入miss/hit counting function
- 各個table只記錄status，  
不記錄data(no data, no dirty bits)→no write through/back

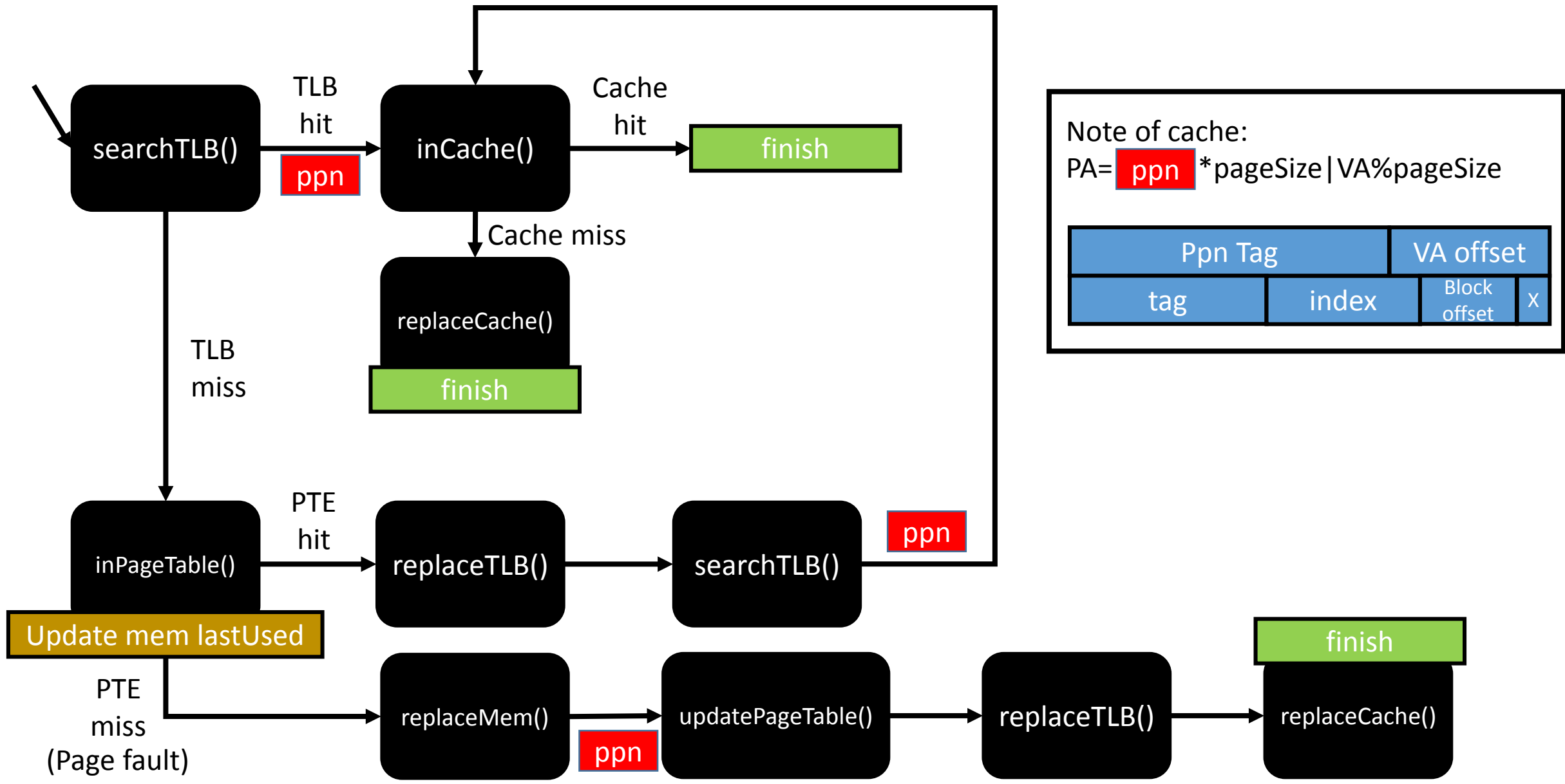
Snapshot.rpt 由proj\_1的架構來計算

# Count miss/hit (1/2)

Instruction: 每個cycle開始時呼叫

Data: 每次使用到load/store時呼叫

# Count miss/hit (2/2)



# Testcase design

- Aim on Data
- 測試memory last use是否正確更新
- 測試cache bit-pseudo LRU policy
- 測試cache tag/index/block offset 計算
- 測試cache 是否有在memory swap out 時update(valid / MRU)