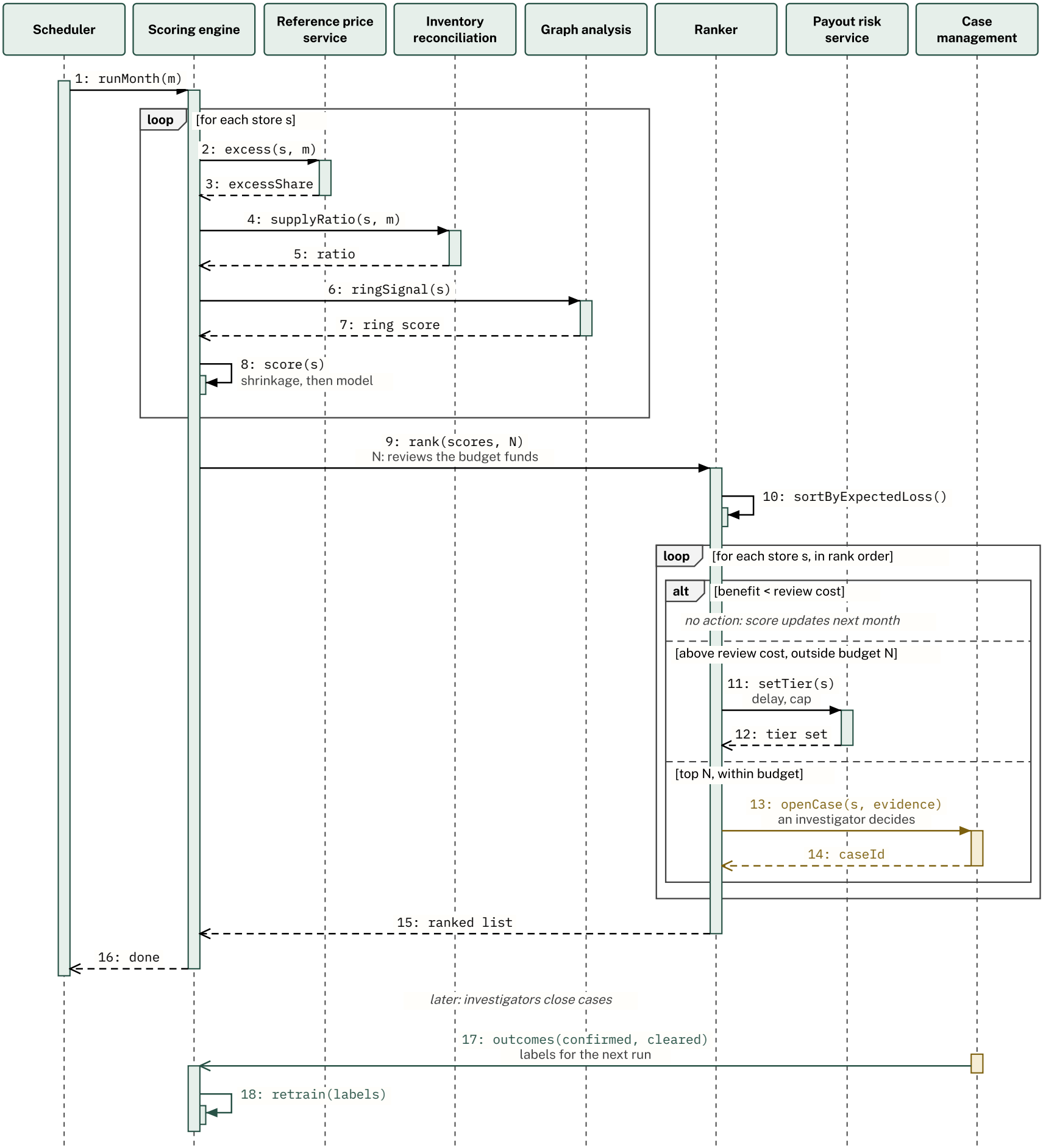
Scheduler
Scoring engine
Reference price service
Inventory reconciliation
Graph analysis
Ranker
Payout risk service
Case management
1: runMonth(m)
loop
[for each store s]
2: excess(s, m)
3: excessShare
4: supplyRatio(s, m)
5: ratio
6: ringSignal(s)
7: ring score
8: score(s)
shrinkage, then model
9: rank(scores, N)
N: reviews the budget funds
10: sortByExpectedLoss()
loop
[for each store s, in rank order]
alt
[benefit < review cost]
no action: score updates next month
[above review cost, outside budget N]
11: setTier(s)
delay, cap
12: tier set
[top N, within budget]
13: openCase(s, evidence)
an investigator decides
14: caseId
15: ranked list
16: done
later: investigators close cases
17: outcomes(confirmed, cleared)
labels for the next run
18: retrain(labels)