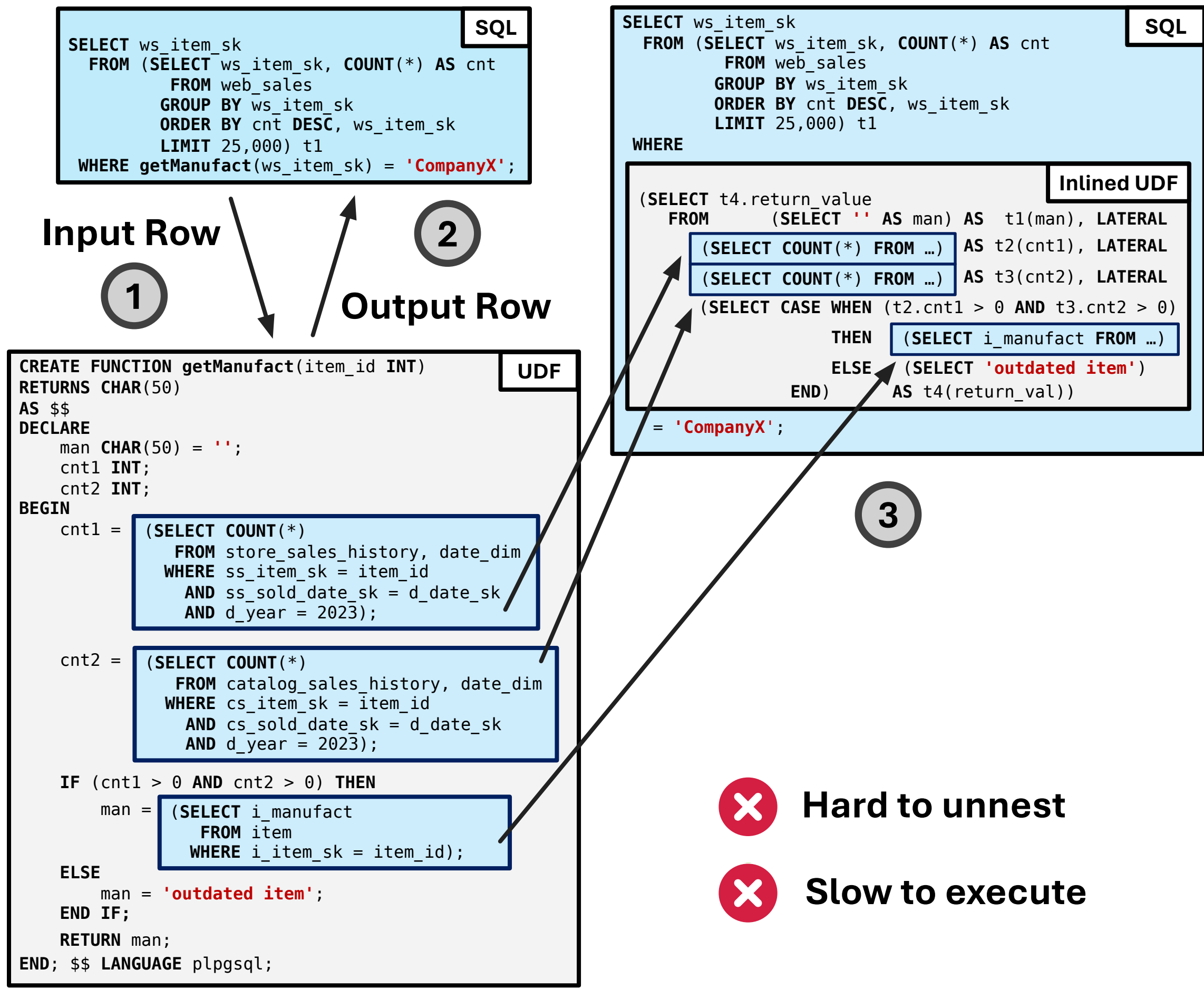


Existing Approach: FROID



SQL

```
SELECT ws_item_sk
FROM (SELECT ws_item_sk, COUNT(*) AS cnt
      FROM web_sales
      GROUP BY ws_item_sk
      ORDER BY cnt DESC, ws_item_sk
      LIMIT 25,000) t1
WHERE
```

Inlined UDF

```
(SELECT t4.return_value
FROM (SELECT '' AS man) AS t1(man), LATERAL
      (SELECT COUNT(*) FROM ...) AS t2(cnt1), LATERAL
      (SELECT COUNT(*) FROM ...) AS t3(cnt2), LATERAL
      (SELECT CASE WHEN (t2.cnt1 > 0 AND t3.cnt2 > 0)
                THEN (SELECT i_manufact FROM ...)
                ELSE (SELECT 'outdated item')
               AS t4(return_val))
= 'CompanyX';
```

Our Approach: PRISM

