Window aggregate: rank() OVER (PARTITION BY (grouping(rollup\_group\_item(store.s\_county,1)), (case when (grouping(rollup\_group\_item(store.s\_county,1)) = 0) then rollup\_group\_item(store.s\_state,0) end) ORDER BY total\_sum desc ) Sort: lochierarchy, `(case when (grouping(rollup\_group\_item(store.s\_county,1)) = 0) then rollup\_group\_item(store.s\_state,0) end)`, total\_sum DESC Stream results Group aggregate with rollup: sum(store\_sales.ss\_net\_profit) Sort: store.s\_state, store.s\_county HJ (d1.d\_date\_sk = store\_sales.ss\_sold\_date\_sk) Filter: (d1.d\_month\_seq between 1212 and <cache>((1212 + 11))) HJ (store.s\_store\_sk = store\_sales.ss\_store\_sk) Hash semijoin (FirstMatch) (store.s\_state = tmp1.s\_state) TS on d1 TS on store\_sales Filter: (tmp1.ranking <= 5) TS on store TS on tmp1 Window aggregate: rank() OVER (PARTITION BY store.s\_state ORDER BY ```sum(store\_sales.ss\_net\_profit)``` desc ) Sort: store.s\_state TS on <temporary> Aggregate using temporary table HJ (store.s\_store\_sk = store\_sales.ss\_store\_sk) HJ (date\_dim.d\_date\_sk = store\_sales.ss\_sold\_date\_sk) TS on store

TS on store\_sales Filter: (date\_dim.d\_month\_seq between 1212 and <cache>((1212 + 11)))