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SELECT SUM(Amount)

FROM [YourInputAlias] TIMESTAMP BY EventEnqueuedUtcTime

WHERE ATMCode=21 AND Type=0

GROUP BY SlidingWindow(minute,10)

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SELECT SUM(Amount)

FROM [YourInputAlias] TIMESTAMP BY EventEnqueuedUtcTime

WHERE ATMCode=21 AND Type=1

GROUP BY TumblingWindow(hour,1)

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3

SELECT SUM(Amount)

FROM [YourInputAlias] TIMESTAMP BY EventEnqueuedUtcTime

WHERE ATMCode=21 AND Type=1

GROUP BY HoppingWindow (minute,60,30)

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4

SELECT SUM(Amount)

FROM [YourInputAlias] TIMESTAMP BY EventEnqueuedUtcTime

WHERE Type=1

GROUP BY ATMCode, SlidingWindow(hour,1)

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5.

SELECT

    [atmref].[area\_code] AS AreaCode,

    SUM([input].[Amount]) AS TotalAmount

FROM

    input TIMESTAMP BY EventEnqueuedUtcTime

LEFT JOIN

    [atmref] ON [input].[ATMCode] = [atmref].[atm\_code]

WHERE

    [input].[type] = 1

GROUP BY

    [atmref].[area\_code],

    TumblingWindow(hour, 1)

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6.

SELECT

    [atmref].[area\_code] AS AreaCode,

    SUM([input].[Amount]) AS TotalAmount

FROM

    input TIMESTAMP BY EventEnqueuedUtcTime

LEFT JOIN

    [atmref] ON [input].[ATMCode] = [atmref].[atm\_code]

WHERE

    [input].[type] = 1

GROUP BY

    [atmref].[area\_code],

    TumblingWindow(hour, 1)

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7.

SELECT

    1 AS Alert, [input].[CardNumber]

FROM

    [input] TIMESTAMP BY EventEnqueuedUtcTime

WHERE

    [input].[Type] = 1

GROUP BY

    [input].[CardNumber],

    SlidingWindow(hour, 1)

HAVING

    COUNT(\*) >= 2

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8.

SELECT 1 AS Alert, [atmref].[area\_code], [customerref].[card\_number]

FROM input TIMESTAMP BY EventEnqueuedUtcTime

LEFT JOIN

    [customerref] ON [customerref].[card\_number] = [input].[CardNumber]

LEFT JOIN

    [atmref] ON [atmref].[atm\_code] = [input].[ATMCode]

WHERE

    [atmref].[area\_code] <> [customerref].[area\_code]

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