

```
CREATE TABLE HZL_Table (  
    Date DATE,  
    BU VARCHAR(10),  
    Value INT  
);  
  
INSERT INTO HZL_Table (Date, BU, Value) VALUES  
( '2024-01-01', 'h2l', 3456),  
( '2024-02-01', 'h2l', NULL),  
( '2024-03-01', 'h2l', NULL),  
( '2024-04-01', 'h2l', NULL),  
( '2024-01-01', 'SC', 32456),  
( '2024-02-01', 'SC', NULL),  
( '2024-03-01', 'SC', NULL),  
( '2024-04-01', 'SC', NULL),  
( '2024-05-01', 'SC', 345),  
( '2024-06-01', 'SC', NULL);  
  
SELECT * FROM HZL_Table; --ORIGINAL  
  
WITH CTE AS (  
    SELECT  
        Date,  
        BU,  
        Value,  
        ROW_NUMBER() OVER (PARTITION BY BU ORDER BY Date) AS RN  
    FROM  
        HZL_Table  
)  
,  
RECURSIVE_CTE AS (  
    SELECT  
        Date,  
        BU,  
        Value,  
        RN  
    FROM  
        CTE  
    WHERE  
        Value IS NOT NULL  
    UNION ALL  
    SELECT  
        CTE.Date,  
        CTE.BU,  
        COALESCE(CTE.Value, RECURSIVE_CTE.Value) AS Value,  
        CTE.RN  
    FROM  
        CTE  
    JOIN  
        RECURSIVE_CTE ON CTE.BU = RECURSIVE_CTE.BU AND CTE.RN = RECURSIVE_CTE.RN + 1  
    WHERE  
        CTE.Value IS NULL  
)
```

```
SELECT
    Date,
    BU,
    Value
FROM
    RECURSIVE_CTE
ORDER BY
    BU,
    Date,
    RN;
```