IF OBJECT\_ID('tempdb..#t', 'U') IS NOT NULL

DROP TABLE #t;

CREATE TABLE #t(

[id] INT PRIMARY KEY IDENTITY,

[status] INT NOT NULL DEFAULT 0,

[timestamp] DATETIME2 NOT NULL DEFAULT CURRENT\_TIMESTAMP)

INSERT INTO #t

([status], [timestamp])

VALUES

(1,'2017-01-17 08:11:59.0600000'),

(1,'2017-01-17 08:11:59.0600000'),

(1,'2017-01-17 08:11:59.0600000'),

(2,'2017-01-17 08:11:59.0600000'),

(2,'2017-01-17 08:11:59.0600000'),

(3,'2017-01-17 08:11:59.0600000'),

(4,'2017-01-17 08:11:59.0600000'),

(0,'2017-01-17 08:11:59.0600000'),

(0,'2017-01-17 08:11:59.0600000'),

(5,'2017-01-17 08:11:59.0600000'),

(1,'2017-01-17 08:12:40.3870000'),

(2,'2017-01-17 08:12:48.4300000'),

(3,'2017-01-17 08:13:02.3700000'),

(3,'2017-01-17 08:13:02.3700000'),

(4,'2017-01-17 08:13:10.9330000'),

(5,'2017-01-17 08:13:26.3570000'),

(0,'2017-01-17 08:13:26.3570000'),

(0,'2017-01-17 08:13:26.3570000'),

(2,'2017-01-17 08:13:26.3570000'),

(2,'2017-01-17 08:13:26.3570000')

;WITH cte AS

(

SELECT

LAST\_VALUE(id) OVER (PARTITION BY [status] ORDER BY [timestamp] DESC) AS id,

RANK() OVER (PARTITION BY [status] ORDER BY [timestamp] DESC) AS rnk,

[status]

FROM #t

) SELECT DISTINCT cte.[status],cte.[id] FROM cte WHERE cte.[rnk] =1 ORDER BY cte.[status]