

**SLOWLY CHANGING DIMENSION (SCD) Type 2**

|     | prd_key         |                         |    |   | start_day               | end_day                 |
|-----|-----------------|-------------------------|----|---|-------------------------|-------------------------|
| 212 | AC-HE-HL-U509-R | Sport-100 Helmet- Red   | 12 | S | 2011-07-01 00:00:00.000 | 2007-12-28 00:00:00.000 |
| 213 | AC-HE-HL-U509-R | Sport-100 Helmet- Red   | 14 | S | 2012-07-01 00:00:00.000 | 2008-12-27 00:00:00.000 |
| 214 | AC-HE-HL-U509-R | Sport-100 Helmet- Red   | 13 | S | 2013-07-01 00:00:00.000 | NULL                    |
| 215 | AC-HE-HL-U509   | Sport-100 Helmet- Black | 12 | S | 2011-07-01 00:00:00.000 | 2007-12-28 00:00:00.000 |
| 216 | AC-HE-HL-U509   | Sport-100 Helmet- Black | 14 | S | 2012-07-01 00:00:00.000 | 2008-12-27 00:00:00.000 |
| 217 | AC-HE-HL-U509   | Sport-100 Helmet- Black | 13 | S | 2013-07-01 00:00:00.000 | NULL                    |

**SOLUTION:** The start\_day column will take the value from the next row start\_day column, reduces it by one day from its current value, and represents that value as the end\_day cloumn.

|     | prd_key         |                         |    |   | start_day               | end_day                 |
|-----|-----------------|-------------------------|----|---|-------------------------|-------------------------|
| 212 | AC-HE-HL-U509-R | Sport-100 Helmet- Red   | 12 | S | 2007-12-28 00:00:00.000 | 2011-07-01 00:00:00.000 |
| 213 | AC-HE-HL-U509-R | Sport-100 Helmet- Red   | 14 | S | 2008-12-27 00:00:00.000 | 2012-07-01 00:00:00.000 |
| 214 | AC-HE-HL-U509-R | Sport-100 Helmet- Red   | 13 | S | NULL                    | 2013-07-01 00:00:00.000 |
| 215 | AC-HE-HL-U509   | Sport-100 Helmet- Black | 12 | S | 2007-12-28 00:00:00.000 | 2011-07-01 00:00:00.000 |
| 216 | AC-HE-HL-U509   | Sport-100 Helmet- Black | 14 | S | 2008-12-27 00:00:00.000 | 2012-07-01 00:00:00.000 |
| 217 | AC-HE-HL-U509   | Sport-100 Helmet- Black | 13 | S | NULL                    | 2013-07-01 00:00:00.000 |

**EXECUTION:** CAST(prd\_start\_dt AS DATE) AS prd\_start\_dt,  
 CAST(LEAD(prd\_start\_dt) OVER (PARTITION BY prd\_key ORDER BY prd\_start\_dt) - 1 AS DATE) AS prd\_end\_dt