

| 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 column.

| | 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

FINAL RESULT (AFTER ETL)

| | prd_id | cat_id | prd_key | prd_nm | prd_cost | prd_line | prd_start_dt | prd_end_dt | dwh_create_date |
|----|--------|--------|-----------|-------------------------|----------|-------------|--------------|------------|-----------------------------|
| 10 | 217 | AC_HE | HL-U509 | Sport-100 Helmet- Black | 13 | Other Sales | 2013-07-01 | NULL | 2025-11-30 21:56:40.3066667 |
| 11 | 220 | AC_HE | HL-U509-B | Sport-100 Helmet- Blue | 12 | Other Sales | 2011-07-01 | 2012-06-30 | 2025-11-30 21:56:40.3066667 |
| 12 | 221 | AC_HE | HL-U509-B | Sport-100 Helmet- Blue | 14 | Other Sales | 2012-07-01 | 2013-06-30 | 2025-11-30 21:56:40.3066667 |
| 13 | 222 | AC_HE | HL-U509-B | Sport-100 Helmet- Blue | 13 | Other Sales | 2013-07-01 | NULL | 2025-11-30 21:56:40.3066667 |
| 14 | 212 | AC_HE | HL-U509-R | Sport-100 Helmet- Red | 12 | Other Sales | 2011-07-01 | 2012-06-30 | 2025-11-30 21:56:40.3066667 |
| 15 | 213 | AC_HE | HL-U509-R | Sport-100 Helmet- Red | 14 | Other Sales | 2012-07-01 | 2013-06-30 | 2025-11-30 21:56:40.3066667 |
| 16 | 214 | AC_HE | HL-U509-R | Sport-100 Helmet- Red | 13 | Other Sales | 2013-07-01 | NULL | 2025-11-30 21:56:40.3066667 |