**Views From Sub Queries**

**1.**

**ORIGINAL QUERY:**

SELECT OD1.PRODUCTCODE AS FIRSTPRODUCT, OD2.PRODUCTCODE AS SECONDPRODUCT, OD3.PRODUCTCODE AS THIRDPRODUCT,

COUNT(DISTINCT OD1.ORDERNUMBER) AS TOTAL\_COUNT

FROM (SELECT PRODUCTCODE, ORDERNUMBER FROM PRODUCTS INNER JOIN ORDERDETAILS USING (PRODUCTCODE)) OD1

INNER JOIN (SELECT PRODUCTCODE, ORDERNUMBER FROM PRODUCTS INNER JOIN ORDERDETAILS USING (PRODUCTCODE)) OD2

USING (ORDERNUMBER)

INNER JOIN (SELECT PRODUCTCODE, ORDERNUMBER FROM PRODUCTS INNER JOIN ORDERDETAILS USING (PRODUCTCODE)) OD3

ON OD2.ORDERNUMBER = OD3.ORDERNUMBER

WHERE OD1.PRODUCTCODE<OD2.PRODUCTCODE

AND OD2.PRODUCTCODE<OD3.PRODUCTCODE

GROUP BY OD1.PRODUCTCODE,OD2.PRODUCTCODE,OD3.PRODUCTCODE

HAVING COUNT(DISTINCT OD1.ORDERNUMBER)>20;

**VIEW:**

CREATE VIEW ODVIEW AS

SELECT PRODUCTCODE, ORDERNUMBER

FROM PRODUCTS INNER JOIN ORDERDETAILS USING (PRODUCTCODE);

**REFACTORED QUERY:**

SELECT OD1.PRODUCTCODE AS FIRSTPRODUCT, OD2.PRODUCTCODE AS SECONDPRODUCT, OD3.PRODUCTCODE AS THIRDPRODUCT,

COUNT(DISTINCT OD1.ORDERNUMBER) AS TOTAL\_COUNT

FROM ODVIEW OD1

INNER JOIN ODVIEW OD2

USING (ORDERNUMBER)

INNER JOIN ODVIEW OD3

ON OD2.ORDERNUMBER = OD3.ORDERNUMBER

WHERE OD1.PRODUCTCODE<OD2.PRODUCTCODE

AND OD2.PRODUCTCODE<OD3.PRODUCTCODE

GROUP BY OD1.PRODUCTCODE,OD2.PRODUCTCODE,OD3.PRODUCTCODE

HAVING COUNT(DISTINCT OD1.ORDERNUMBER)>20;

**OUTPUT FROM ORIGINAL QUERY:**

|  |  |  |  |
| --- | --- | --- | --- |
| FIRSTPRODUCT | SECONDPRODUCT | THIRDPRODUCT | TOTAL\_COUNT |
| S10\_1678 | S10\_4698 | S24\_1578 | 21 |
| S10\_1949 | S12\_1666 | S18\_1097 | 21 |
| S10\_2016 | S10\_4698 | S18\_2625 | 23 |
| S10\_2016 | S10\_4698 | S24\_1578 | 21 |
| S10\_2016 | S18\_2625 | S24\_1578 | 21 |
| S10\_4698 | S18\_2625 | S24\_1578 | 22 |
| S12\_1099 | S12\_3380 | S12\_3990 | 23 |
| S12\_1099 | S12\_3990 | S24\_3371 | 22 |
| S12\_4473 | S18\_2238 | S24\_1444 | 21 |
| S12\_4473 | S18\_2238 | S24\_2840 | 21 |
| S12\_4473 | S18\_2319 | S18\_3232 | 21 |
| S12\_4473 | S18\_2319 | S24\_2840 | 21 |
| S12\_4473 | S18\_3232 | S24\_2840 | 21 |
| S12\_4473 | S24\_2840 | S32\_2509 | 21 |
| S18\_1662 | S24\_2841 | S24\_3420 | 22 |
| S18\_2238 | S24\_1444 | S50\_1392 | 21 |
| S18\_2319 | S18\_3232 | S24\_2840 | 23 |
| S18\_2319 | S18\_3232 | S32\_2509 | 22 |
| S18\_2319 | S24\_2840 | S32\_2509 | 21 |
| S18\_2581 | S24\_1785 | S24\_4278 | 22 |
| S18\_2949 | S18\_2957 | S18\_3136 | 23 |
| S18\_3140 | S18\_3259 | S700\_1938 | 22 |
| S18\_3232 | S24\_2840 | S32\_2509 | 22 |
| S18\_3278 | S18\_3482 | S24\_3371 | 21 |
| S18\_3856 | S24\_2841 | S24\_3420 | 22 |
| S18\_3856 | S24\_2841 | S700\_2047 | 21 |
| S18\_3856 | S24\_3420 | S700\_2047 | 21 |
| S18\_3856 | S700\_2047 | S72\_1253 | 22 |
| S18\_4668 | S32\_3522 | S700\_2824 | 22 |
| S24\_1046 | S24\_2766 | S24\_3191 | 21 |
| S24\_1046 | S24\_2766 | S24\_3432 | 21 |
| S24\_1046 | S24\_3191 | S24\_3432 | 21 |
| S24\_1444 | S24\_4048 | S50\_1392 | 21 |
| S24\_1785 | S24\_4278 | S32\_4289 | 21 |
| S24\_2011 | S700\_3962 | S72\_3212 | 21 |
| S24\_2360 | S32\_2206 | S32\_4485 | 21 |
| S24\_2360 | S32\_4485 | S50\_4713 | 24 |
| S24\_2766 | S24\_2887 | S24\_3191 | 22 |
| S24\_2766 | S24\_3191 | S24\_3432 | 23 |
| S24\_2841 | S24\_3420 | S700\_2047 | 24 |
| S24\_2841 | S24\_3420 | S72\_1253 | 23 |
| S24\_2841 | S700\_2047 | S72\_1253 | 23 |
| S24\_3151 | S700\_1138 | S700\_2610 | 21 |
| S24\_3420 | S700\_2047 | S72\_1253 | 24 |
| S24\_3949 | S700\_2466 | S700\_4002 | 24 |
| S24\_4278 | S32\_4289 | S50\_1341 | 21 |
| S24\_4278 | S32\_4289 | S700\_1691 | 21 |
| S24\_4278 | S32\_4289 | S700\_2834 | 22 |
| S24\_4278 | S50\_1341 | S700\_1691 | 21 |
| S32\_2206 | S32\_4485 | S50\_4713 | 21 |
| S32\_4289 | S50\_1341 | S700\_1691 | 24 |
| S32\_4289 | S50\_1341 | S700\_3167 | 21 |
| S32\_4289 | S700\_1691 | S700\_3167 | 21 |
| S50\_1341 | S700\_1691 | S700\_2466 | 21 |
| S50\_1341 | S700\_1691 | S700\_3167 | 24 |
| S700\_3505 | S700\_3962 | S72\_3212 | 25 |

**OUTPUT FROM REFACTORED QUERY:**

|  |  |  |  |
| --- | --- | --- | --- |
| FIRSTPRODUCT | SECONDPRODUCT | THIRDPRODUCT | TOTAL\_COUNT |
| S10\_1678 | S10\_4698 | S24\_1578 | 21 |
| S10\_1949 | S12\_1666 | S18\_1097 | 21 |
| S10\_2016 | S10\_4698 | S18\_2625 | 23 |
| S10\_2016 | S10\_4698 | S24\_1578 | 21 |
| S10\_2016 | S18\_2625 | S24\_1578 | 21 |
| S10\_4698 | S18\_2625 | S24\_1578 | 22 |
| S12\_1099 | S12\_3380 | S12\_3990 | 23 |
| S12\_1099 | S12\_3990 | S24\_3371 | 22 |
| S12\_4473 | S18\_2238 | S24\_1444 | 21 |
| S12\_4473 | S18\_2238 | S24\_2840 | 21 |
| S12\_4473 | S18\_2319 | S18\_3232 | 21 |
| S12\_4473 | S18\_2319 | S24\_2840 | 21 |
| S12\_4473 | S18\_3232 | S24\_2840 | 21 |
| S12\_4473 | S24\_2840 | S32\_2509 | 21 |
| S18\_1662 | S24\_2841 | S24\_3420 | 22 |
| S18\_2238 | S24\_1444 | S50\_1392 | 21 |
| S18\_2319 | S18\_3232 | S24\_2840 | 23 |
| S18\_2319 | S18\_3232 | S32\_2509 | 22 |
| S18\_2319 | S24\_2840 | S32\_2509 | 21 |
| S18\_2581 | S24\_1785 | S24\_4278 | 22 |
| S18\_2949 | S18\_2957 | S18\_3136 | 23 |
| S18\_3140 | S18\_3259 | S700\_1938 | 22 |
| S18\_3232 | S24\_2840 | S32\_2509 | 22 |
| S18\_3278 | S18\_3482 | S24\_3371 | 21 |
| S18\_3856 | S24\_2841 | S24\_3420 | 22 |
| S18\_3856 | S24\_2841 | S700\_2047 | 21 |
| S18\_3856 | S24\_3420 | S700\_2047 | 21 |
| S18\_3856 | S700\_2047 | S72\_1253 | 22 |
| S18\_4668 | S32\_3522 | S700\_2824 | 22 |
| S24\_1046 | S24\_2766 | S24\_3191 | 21 |
| S24\_1046 | S24\_2766 | S24\_3432 | 21 |
| S24\_1046 | S24\_3191 | S24\_3432 | 21 |
| S24\_1444 | S24\_4048 | S50\_1392 | 21 |
| S24\_1785 | S24\_4278 | S32\_4289 | 21 |
| S24\_2011 | S700\_3962 | S72\_3212 | 21 |
| S24\_2360 | S32\_2206 | S32\_4485 | 21 |
| S24\_2360 | S32\_4485 | S50\_4713 | 24 |
| S24\_2766 | S24\_2887 | S24\_3191 | 22 |
| S24\_2766 | S24\_3191 | S24\_3432 | 23 |
| S24\_2841 | S24\_3420 | S700\_2047 | 24 |
| S24\_2841 | S24\_3420 | S72\_1253 | 23 |
| S24\_2841 | S700\_2047 | S72\_1253 | 23 |
| S24\_3151 | S700\_1138 | S700\_2610 | 21 |
| S24\_3420 | S700\_2047 | S72\_1253 | 24 |
| S24\_3949 | S700\_2466 | S700\_4002 | 24 |
| S24\_4278 | S32\_4289 | S50\_1341 | 21 |
| S24\_4278 | S32\_4289 | S700\_1691 | 21 |
| S24\_4278 | S32\_4289 | S700\_2834 | 22 |
| S24\_4278 | S50\_1341 | S700\_1691 | 21 |
| S32\_2206 | S32\_4485 | S50\_4713 | 21 |
| S32\_4289 | S50\_1341 | S700\_1691 | 24 |
| S32\_4289 | S50\_1341 | S700\_3167 | 21 |
| S32\_4289 | S700\_1691 | S700\_3167 | 21 |
| S50\_1341 | S700\_1691 | S700\_2466 | 21 |
| S50\_1341 | S700\_1691 | S700\_3167 | 24 |
| S700\_3505 | S700\_3962 | S72\_3212 | 25 |

**CODE TO TEST OUTPUT:**

SELECT \* FROM NEW

EXCEPT

SELECT \* FROM OLD

UNION

SELECT \* from OLD

EXCEPT

SELECT \* FROM NEW;

**2.**

**ORIGINAL QUERY:**

SELECT DISTINCT C1.CUSTOMERNAME AS FIRST\_CUSTOMER, C2.CUSTOMERNAME AS SECOND\_CUSTOMER, C1.PRODUCTCODE

FROM (SELECT CUSTOMERNAME, ORDERS.ORDERNUMBER, ORDERDETAILS.PRODUCTCODE,PRODUCTS.PRODUCTNAME, ORDERS.ORDERDATE

FROM CUSTOMERS INNER JOIN ORDERS USING(CUSTOMERNUMBER)

INNER JOIN ORDERDETAILS ON ORDERS.ORDERNUMBER=ORDERDETAILS.ORDERNUMBER

INNER JOIN PRODUCTS ON ORDERDETAILS.PRODUCTCODE=PRODUCTS.PRODUCTCODE) C1 INNER JOIN

(SELECT CUSTOMERNAME, ORDERS.ORDERNUMBER, ORDERDETAILS.PRODUCTCODE,PRODUCTS.PRODUCTNAME, ORDERS.ORDERDATE

FROM CUSTOMERS INNER JOIN ORDERS USING(CUSTOMERNUMBER)

INNER JOIN ORDERDETAILS ON ORDERS.ORDERNUMBER=ORDERDETAILS.ORDERNUMBER

INNER JOIN PRODUCTS ON ORDERDETAILS.PRODUCTCODE=PRODUCTS.PRODUCTCODE) C2 USING (PRODUCTCODE)

WHERE C1.CUSTOMERNAME<C2.CUSTOMERNAME

AND (C1.ORDERDATE >'2015-1-1'

AND C1.ORDERDATE <'2015-3-1')

AND (C2.ORDERDATE >'2015-1-1'

AND C2.ORDERDATE <'2015-3-1')

ORDER BY C1.CUSTOMERNAME,C2.CUSTOMERNAME,SECOND\_CUSTOMER;

**VIEW:**

CREATE VIEW CUSTOMERVIEW AS

SELECT CUSTOMERNAME, ORDERS.ORDERNUMBER, ORDERDETAILS.PRODUCTCODE,PRODUCTS.PRODUCTNAME, ORDERS.ORDERDATE

FROM CUSTOMERS INNER JOIN ORDERS USING(CUSTOMERNUMBER)

INNER JOIN ORDERDETAILS ON ORDERS.ORDERNUMBER=ORDERDETAILS.ORDERNUMBER

INNER JOIN PRODUCTS ON ORDERDETAILS.PRODUCTCODE=PRODUCTS.PRODUCTCODE;

**REFACTORED QUERY:**

SELECT DISTINCT C1.CUSTOMERNAME AS FIRST\_CUSTOMER, C2.CUSTOMERNAME AS SECOND\_CUSTOMER, C1.PRODUCTCODE

FROM CUSTOMERVIEW C1 INNER JOIN

CUSTOMERVIEW C2 USING (PRODUCTCODE)

WHERE C1.CUSTOMERNAME<C2.CUSTOMERNAME

AND (C1.ORDERDATE >'2015-1-1'

AND C1.ORDERDATE <'2015-3-1')

AND (C2.ORDERDATE >'2015-1-1'

AND C2.ORDERDATE <'2015-3-1')

ORDER BY C1.CUSTOMERNAME,C2.CUSTOMERNAME,SECOND\_CUSTOMER;

**OUTPUT FROM ORIGINAL QUERY:**

|  |  |  |
| --- | --- | --- |
| FIRST\_CUSTOMER | SECOND\_CUSTOMER | PRODUCTCODE |
| Anna's Decorations, Ltd | Corporate Gift Ideas Co. | S10\_4962 |
| Anna's Decorations, Ltd | Corporate Gift Ideas Co. | S12\_1666 |
| Anna's Decorations, Ltd | Corporate Gift Ideas Co. | S18\_1097 |
| Anna's Decorations, Ltd | Corporate Gift Ideas Co. | S18\_2432 |
| Anna's Decorations, Ltd | Euro+ Shopping Channel | S18\_2319 |
| Anna's Decorations, Ltd | Euro+ Shopping Channel | S18\_3232 |
| Anna's Decorations, Ltd | Mini Gifts Distributors Ltd. | S18\_4600 |
| Anna's Decorations, Ltd | Mini Gifts Distributors Ltd. | S18\_4668 |
| Anna's Decorations, Ltd | Mini Gifts Distributors Ltd. | S32\_3522 |
| Anna's Decorations, Ltd | Royale Belge | S18\_3232 |
| Anna's Decorations, Ltd | Toys of Finland, Co. | S18\_3232 |
| Australian Gift Network, Co | Technics Stores Inc. | S10\_4698 |
| Australian Gift Network, Co | Technics Stores Inc. | S18\_2625 |
| Australian Gift Network, Co | Technics Stores Inc. | S24\_1578 |
| Boards & Toys Co. | Suominen Souveniers | S12\_3380 |
| Collectables For Less Inc. | Corporate Gift Ideas Co. | S10\_1949 |
| Collectables For Less Inc. | Corporate Gift Ideas Co. | S18\_1367 |
| Collectables For Less Inc. | Corporate Gift Ideas Co. | S18\_2949 |
| Collectables For Less Inc. | Corporate Gift Ideas Co. | S18\_2957 |
| Collectables For Less Inc. | Corporate Gift Ideas Co. | S18\_3136 |
| Collectables For Less Inc. | Euro+ Shopping Channel | S18\_1342 |
| Collectables For Less Inc. | Mini Gifts Distributors Ltd. | S18\_3320 |
| Collectables For Less Inc. | Mini Gifts Distributors Ltd. | S24\_4258 |
| Corporate Gift Ideas Co. | Oulu Toy Supplies, Inc. | S10\_4757 |
| Corporate Gift Ideas Co. | Oulu Toy Supplies, Inc. | S24\_3151 |
| Corporate Gift Ideas Co. | Tokyo Collectables, Ltd | S24\_2011 |
| Corporate Gift Ideas Co. | Tokyo Collectables, Ltd | S700\_1938 |
| Euro+ Shopping Channel | Marseille Mini Autos | S32\_2206 |
| Euro+ Shopping Channel | Mini Gifts Distributors Ltd. | S24\_1444 |
| Euro+ Shopping Channel | Mini Gifts Distributors Ltd. | S24\_2766 |
| Euro+ Shopping Channel | Mini Gifts Distributors Ltd. | S24\_2840 |
| Euro+ Shopping Channel | Mini Gifts Distributors Ltd. | S24\_2887 |
| Euro+ Shopping Channel | Mini Gifts Distributors Ltd. | S24\_3191 |
| Euro+ Shopping Channel | Mini Gifts Distributors Ltd. | S24\_3432 |
| Euro+ Shopping Channel | Mini Gifts Distributors Ltd. | S24\_3969 |
| Euro+ Shopping Channel | Mini Gifts Distributors Ltd. | S24\_4048 |
| Euro+ Shopping Channel | Mini Gifts Distributors Ltd. | S32\_2509 |
| Euro+ Shopping Channel | Mini Gifts Distributors Ltd. | S32\_3207 |
| Euro+ Shopping Channel | Mini Gifts Distributors Ltd. | S50\_1392 |
| Euro+ Shopping Channel | Royale Belge | S18\_2870 |
| Euro+ Shopping Channel | Royale Belge | S18\_3232 |
| Euro+ Shopping Channel | Suominen Souveniers | S18\_3278 |
| Euro+ Shopping Channel | Suominen Souveniers | S18\_3482 |
| Euro+ Shopping Channel | Suominen Souveniers | S18\_3782 |
| Euro+ Shopping Channel | Suominen Souveniers | S18\_4721 |
| Euro+ Shopping Channel | Suominen Souveniers | S24\_3371 |
| Euro+ Shopping Channel | Suominen Souveniers | S24\_3856 |
| Euro+ Shopping Channel | Suominen Souveniers | S24\_4620 |
| Euro+ Shopping Channel | Tokyo Collectables, Ltd | S18\_3140 |
| Euro+ Shopping Channel | Tokyo Collectables, Ltd | S18\_3259 |
| Euro+ Shopping Channel | Tokyo Collectables, Ltd | S18\_4027 |
| Euro+ Shopping Channel | Tokyo Collectables, Ltd | S18\_4522 |
| Euro+ Shopping Channel | Tokyo Collectables, Ltd | S50\_1514 |
| Euro+ Shopping Channel | Toys of Finland, Co. | S18\_3232 |
| Euro+ Shopping Channel | Toys4GrownUps.com | S18\_1589 |
| Euro+ Shopping Channel | Toys4GrownUps.com | S18\_1749 |
| Euro+ Shopping Channel | Toys4GrownUps.com | S18\_2248 |
| Euro+ Shopping Channel | Toys4GrownUps.com | S18\_2325 |
| Euro+ Shopping Channel | Toys4GrownUps.com | S18\_2795 |
| Euro+ Shopping Channel | Toys4GrownUps.com | S18\_3685 |
| Euro+ Shopping Channel | Toys4GrownUps.com | S18\_4409 |
| Euro+ Shopping Channel | Toys4GrownUps.com | S18\_4933 |
| Euro+ Shopping Channel | Toys4GrownUps.com | S24\_1046 |
| Euro+ Shopping Channel | Toys4GrownUps.com | S24\_1628 |
| Euro+ Shopping Channel | Toys4GrownUps.com | S24\_1937 |
| Euro+ Shopping Channel | Toys4GrownUps.com | S24\_2022 |
| Euro+ Shopping Channel | Toys4GrownUps.com | S24\_2972 |
| La Rochelle Gifts | Mini Creations Ltd. | S32\_4485 |
| La Rochelle Gifts | Mini Creations Ltd. | S50\_4713 |
| La Rochelle Gifts | Suominen Souveniers | S12\_1099 |
| La Rochelle Gifts | Suominen Souveniers | S24\_2000 |
| La Rochelle Gifts | Suominen Souveniers | S24\_2360 |
| La Rochelle Gifts | Suominen Souveniers | S32\_1374 |
| La Rochelle Gifts | Technics Stores Inc. | S12\_2823 |
| Mini Creations Ltd. | Toys of Finland, Co. | S18\_1129 |
| Mini Gifts Distributors Ltd. | Oulu Toy Supplies, Inc. | S24\_3816 |
| Mini Gifts Distributors Ltd. | Oulu Toy Supplies, Inc. | S700\_1138 |
| Mini Gifts Distributors Ltd. | Tokyo Collectables, Ltd | S12\_3148 |
| Mini Gifts Distributors Ltd. | Tokyo Collectables, Ltd | S12\_3891 |
| Royale Belge | Toys of Finland, Co. | S18\_1984 |
| Royale Belge | Toys of Finland, Co. | S18\_3232 |
| Suominen Souveniers | Toys of Finland, Co. | S12\_3990 |
| Suominen Souveniers | Toys of Finland, Co. | S12\_4675 |
| Suominen Souveniers | Toys of Finland, Co. | S18\_1889 |

**OUTPUT FROM REFACTORED QUERY:**

|  |  |  |
| --- | --- | --- |
| FIRST\_CUSTOMER | SECOND\_CUSTOMER | PRODUCTCODE |
| Anna's Decorations, Ltd | Corporate Gift Ideas Co. | S10\_4962 |
| Anna's Decorations, Ltd | Corporate Gift Ideas Co. | S12\_1666 |
| Anna's Decorations, Ltd | Corporate Gift Ideas Co. | S18\_1097 |
| Anna's Decorations, Ltd | Corporate Gift Ideas Co. | S18\_2432 |
| Anna's Decorations, Ltd | Euro+ Shopping Channel | S18\_2319 |
| Anna's Decorations, Ltd | Euro+ Shopping Channel | S18\_3232 |
| Anna's Decorations, Ltd | Mini Gifts Distributors Ltd. | S18\_4600 |
| Anna's Decorations, Ltd | Mini Gifts Distributors Ltd. | S18\_4668 |
| Anna's Decorations, Ltd | Mini Gifts Distributors Ltd. | S32\_3522 |
| Anna's Decorations, Ltd | Royale Belge | S18\_3232 |
| Anna's Decorations, Ltd | Toys of Finland, Co. | S18\_3232 |
| Australian Gift Network, Co | Technics Stores Inc. | S10\_4698 |
| Australian Gift Network, Co | Technics Stores Inc. | S18\_2625 |
| Australian Gift Network, Co | Technics Stores Inc. | S24\_1578 |
| Boards & Toys Co. | Suominen Souveniers | S12\_3380 |
| Collectables For Less Inc. | Corporate Gift Ideas Co. | S10\_1949 |
| Collectables For Less Inc. | Corporate Gift Ideas Co. | S18\_1367 |
| Collectables For Less Inc. | Corporate Gift Ideas Co. | S18\_2949 |
| Collectables For Less Inc. | Corporate Gift Ideas Co. | S18\_2957 |
| Collectables For Less Inc. | Corporate Gift Ideas Co. | S18\_3136 |
| Collectables For Less Inc. | Euro+ Shopping Channel | S18\_1342 |
| Collectables For Less Inc. | Mini Gifts Distributors Ltd. | S18\_3320 |
| Collectables For Less Inc. | Mini Gifts Distributors Ltd. | S24\_4258 |
| Corporate Gift Ideas Co. | Oulu Toy Supplies, Inc. | S10\_4757 |
| Corporate Gift Ideas Co. | Oulu Toy Supplies, Inc. | S24\_3151 |
| Corporate Gift Ideas Co. | Tokyo Collectables, Ltd | S24\_2011 |
| Corporate Gift Ideas Co. | Tokyo Collectables, Ltd | S700\_1938 |
| Euro+ Shopping Channel | Marseille Mini Autos | S32\_2206 |
| Euro+ Shopping Channel | Mini Gifts Distributors Ltd. | S24\_1444 |
| Euro+ Shopping Channel | Mini Gifts Distributors Ltd. | S24\_2766 |
| Euro+ Shopping Channel | Mini Gifts Distributors Ltd. | S24\_2840 |
| Euro+ Shopping Channel | Mini Gifts Distributors Ltd. | S24\_2887 |
| Euro+ Shopping Channel | Mini Gifts Distributors Ltd. | S24\_3191 |
| Euro+ Shopping Channel | Mini Gifts Distributors Ltd. | S24\_3432 |
| Euro+ Shopping Channel | Mini Gifts Distributors Ltd. | S24\_3969 |
| Euro+ Shopping Channel | Mini Gifts Distributors Ltd. | S24\_4048 |
| Euro+ Shopping Channel | Mini Gifts Distributors Ltd. | S32\_2509 |
| Euro+ Shopping Channel | Mini Gifts Distributors Ltd. | S32\_3207 |
| Euro+ Shopping Channel | Mini Gifts Distributors Ltd. | S50\_1392 |
| Euro+ Shopping Channel | Royale Belge | S18\_2870 |
| Euro+ Shopping Channel | Royale Belge | S18\_3232 |
| Euro+ Shopping Channel | Suominen Souveniers | S18\_3278 |
| Euro+ Shopping Channel | Suominen Souveniers | S18\_3482 |
| Euro+ Shopping Channel | Suominen Souveniers | S18\_3782 |
| Euro+ Shopping Channel | Suominen Souveniers | S18\_4721 |
| Euro+ Shopping Channel | Suominen Souveniers | S24\_3371 |
| Euro+ Shopping Channel | Suominen Souveniers | S24\_3856 |
| Euro+ Shopping Channel | Suominen Souveniers | S24\_4620 |
| Euro+ Shopping Channel | Tokyo Collectables, Ltd | S18\_3140 |
| Euro+ Shopping Channel | Tokyo Collectables, Ltd | S18\_3259 |
| Euro+ Shopping Channel | Tokyo Collectables, Ltd | S18\_4027 |
| Euro+ Shopping Channel | Tokyo Collectables, Ltd | S18\_4522 |
| Euro+ Shopping Channel | Tokyo Collectables, Ltd | S50\_1514 |
| Euro+ Shopping Channel | Toys of Finland, Co. | S18\_3232 |
| Euro+ Shopping Channel | Toys4GrownUps.com | S18\_1589 |
| Euro+ Shopping Channel | Toys4GrownUps.com | S18\_1749 |
| Euro+ Shopping Channel | Toys4GrownUps.com | S18\_2248 |
| Euro+ Shopping Channel | Toys4GrownUps.com | S18\_2325 |
| Euro+ Shopping Channel | Toys4GrownUps.com | S18\_2795 |
| Euro+ Shopping Channel | Toys4GrownUps.com | S18\_3685 |
| Euro+ Shopping Channel | Toys4GrownUps.com | S18\_4409 |
| Euro+ Shopping Channel | Toys4GrownUps.com | S18\_4933 |
| Euro+ Shopping Channel | Toys4GrownUps.com | S24\_1046 |
| Euro+ Shopping Channel | Toys4GrownUps.com | S24\_1628 |
| Euro+ Shopping Channel | Toys4GrownUps.com | S24\_1937 |
| Euro+ Shopping Channel | Toys4GrownUps.com | S24\_2022 |
| Euro+ Shopping Channel | Toys4GrownUps.com | S24\_2972 |
| La Rochelle Gifts | Mini Creations Ltd. | S32\_4485 |
| La Rochelle Gifts | Mini Creations Ltd. | S50\_4713 |
| La Rochelle Gifts | Suominen Souveniers | S12\_1099 |
| La Rochelle Gifts | Suominen Souveniers | S24\_2000 |
| La Rochelle Gifts | Suominen Souveniers | S24\_2360 |
| La Rochelle Gifts | Suominen Souveniers | S32\_1374 |
| La Rochelle Gifts | Technics Stores Inc. | S12\_2823 |
| Mini Creations Ltd. | Toys of Finland, Co. | S18\_1129 |
| Mini Gifts Distributors Ltd. | Oulu Toy Supplies, Inc. | S24\_3816 |
| Mini Gifts Distributors Ltd. | Oulu Toy Supplies, Inc. | S700\_1138 |
| Mini Gifts Distributors Ltd. | Tokyo Collectables, Ltd | S12\_3148 |
| Mini Gifts Distributors Ltd. | Tokyo Collectables, Ltd | S12\_3891 |
| Royale Belge | Toys of Finland, Co. | S18\_1984 |
| Royale Belge | Toys of Finland, Co. | S18\_3232 |
| Suominen Souveniers | Toys of Finland, Co. | S12\_3990 |
| Suominen Souveniers | Toys of Finland, Co. | S12\_4675 |
| Suominen Souveniers | Toys of Finland, Co. | S18\_1889 |

**CODE TO TEST OUTPUT:**

SELECT \* FROM NEW\_2

EXCEPT

SELECT \* FROM OLD\_2

UNION

SELECT \* from OLD\_2

EXCEPT

SELECT \* FROM NEW\_2;