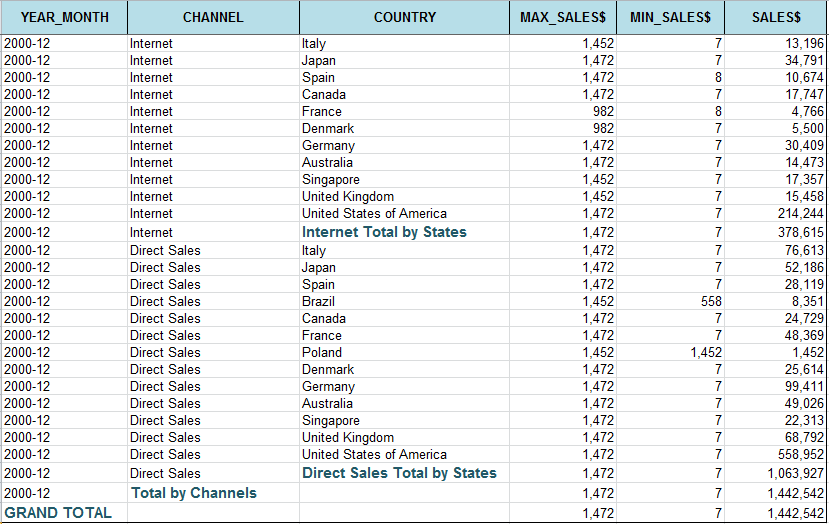
# Task 1

Analyze max, min and summary sales in the report below by:

* December 2000;
* Two channels: Internet and Direct Sales;
* All States.

Build the query using Oracle SQL for Aggregation and design the same report (export results to Excel).



Скрипт на выполнение задания:

SELECT CASE

WHEN GROUPING\_ID (TIMES.CALENDAR\_MONTH\_DESC,CHANNELS.CHANNEL\_DESC,COUNTRIES.COUNTRY\_NAME) = 7

THEN 'GRAND TOTAL'

ELSE TIMES.CALENDAR\_MONTH\_DESC

END YEAR\_MONTH,

CASE

WHEN GROUPING\_ID (TIMES.CALENDAR\_MONTH\_DESC,CHANNELS.CHANNEL\_DESC,COUNTRIES.COUNTRY\_NAME) = 3

THEN 'Total by Channels'

ELSE CHANNELS.CHANNEL\_DESC

END CHANNEL,

CASE

WHEN GROUPING\_ID (TIMES.CALENDAR\_MONTH\_DESC,CHANNELS.CHANNEL\_DESC,COUNTRIES.COUNTRY\_NAME) = 1

THEN CHANNELS.CHANNEL\_DESC || ' Total by Sales'

ELSE COUNTRIES.COUNTRY\_NAME

END COUNTRY,

TO\_CHAR(MAX(AMOUNT\_SOLD),'9,999') "MAX\_SALES$",

TO\_CHAR(MIN(AMOUNT\_SOLD),'9,999') "MIN\_SALES$",

TO\_CHAR(SUM(AMOUNT\_SOLD),'9,999,999') "SALES$"

FROM TIMES,

SALES,

CHANNELS,

COUNTRIES,

CUSTOMERS

WHERE SALES.TIME\_ID=TIMES.TIME\_ID and

SALES.CUST\_ID=CUSTOMERS.CUST\_ID and

SALES.CHANNEL\_ID=CHANNELS.CHANNEL\_ID and

TIMES.CALENDAR\_MONTH\_DESC='2000-12' and

CHANNELS.CHANNEL\_DESC in ('Internet', 'Direct Sales') and

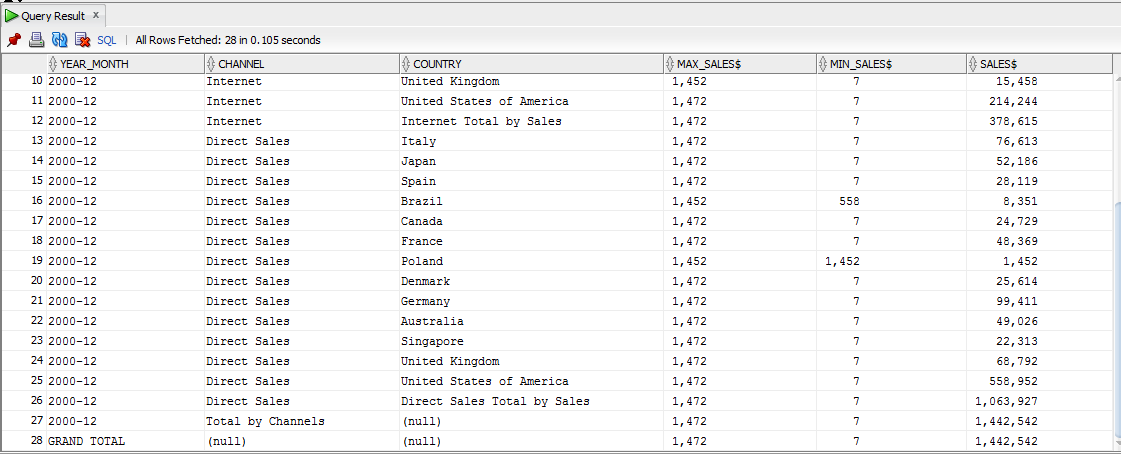
CUSTOMERS.COUNTRY\_ID=COUNTRIES.COUNTRY\_ID

GROUP BY ROLLUP (TIMES.CALENDAR\_MONTH\_DESC,

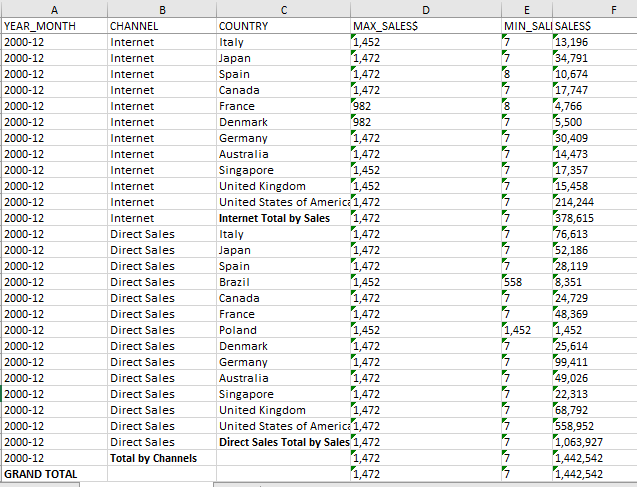
CHANNELS.CHANNEL\_DESC,

COUNTRIES.COUNTRY\_NAME);

Результат выполнения в Oracle:



Результат экспорта в excel:



# Task 2

Напишите запрос для формирования отчёта о продажах в Азии всех продуктов из категории Photo за 2000 год по кварталам. Вычислите итоговые суммы (TOTAL и YEAR\_SUM).

