

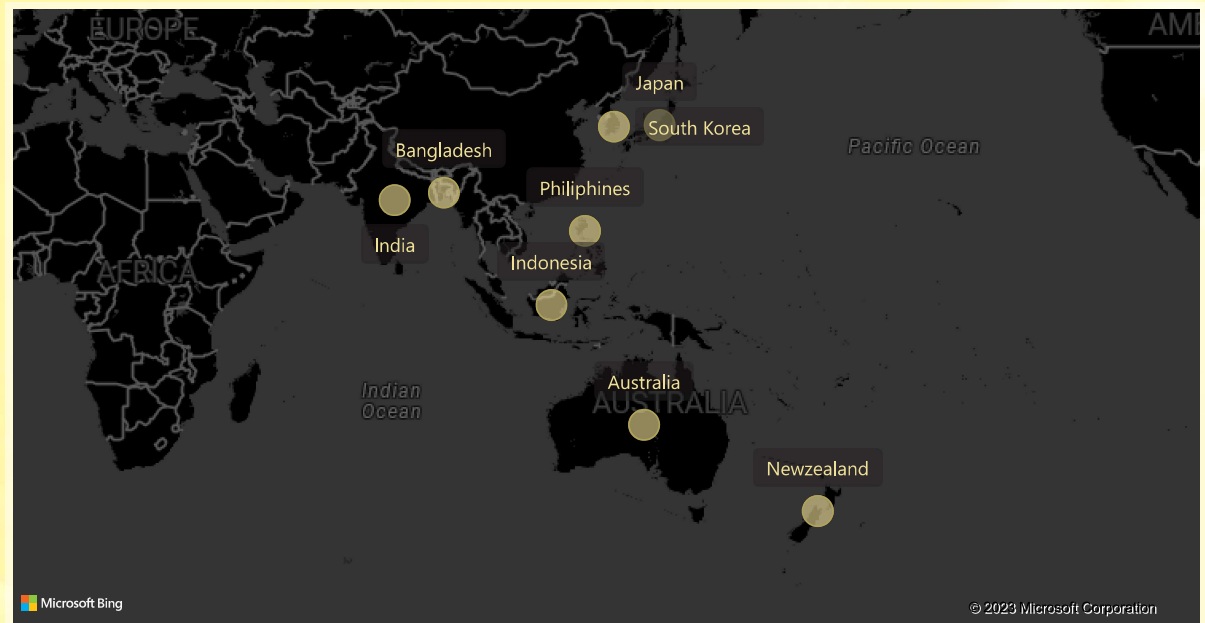
Provide the list of markets in which customer "AtliQ Exclusive" operates its business in the APAC region.

```
SELECT distinct(market) FROM dim_customer where customer = "AtliQ Exclusive" and region = "APAC";
```

SQL OUTPUT

	market
▶	India
	Indonesia
	Japan
	Philiphines
	South Korea
	Australia
	Newzealand
	Bangladesh

List of AtliQ Exclusive Market in APAC Region



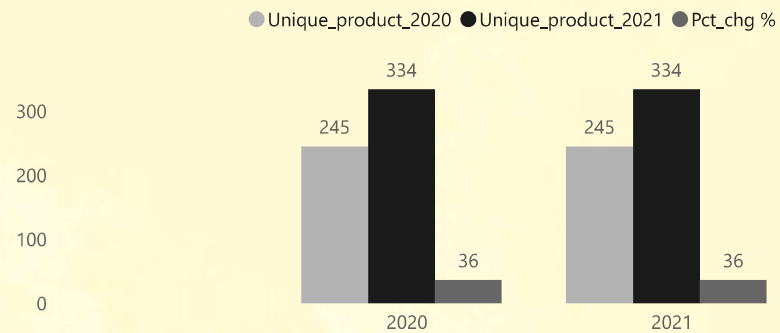
What is the percentage of unique product increase in 2021 vs. 2020?

```
with cte as (select
COUNT(DISTINCT CASE
WHEN fiscal_year = 2020 THEN product_code
END) as unique_product_2020,
COUNT(DISTINCT CASE
WHEN fiscal_year = 2021 THEN product_code
END) as unique_product_2021
from fact_sales_monthly s )
select *,
((unique_product_2021 - unique_product_2020)/unique_product_2020)*100
as pct_chg from cte;
```

SQL OUTPUT

unique_product_2020	unique_product_2021	pct_chg
245	334	36.3265

Unique_Product and Change %



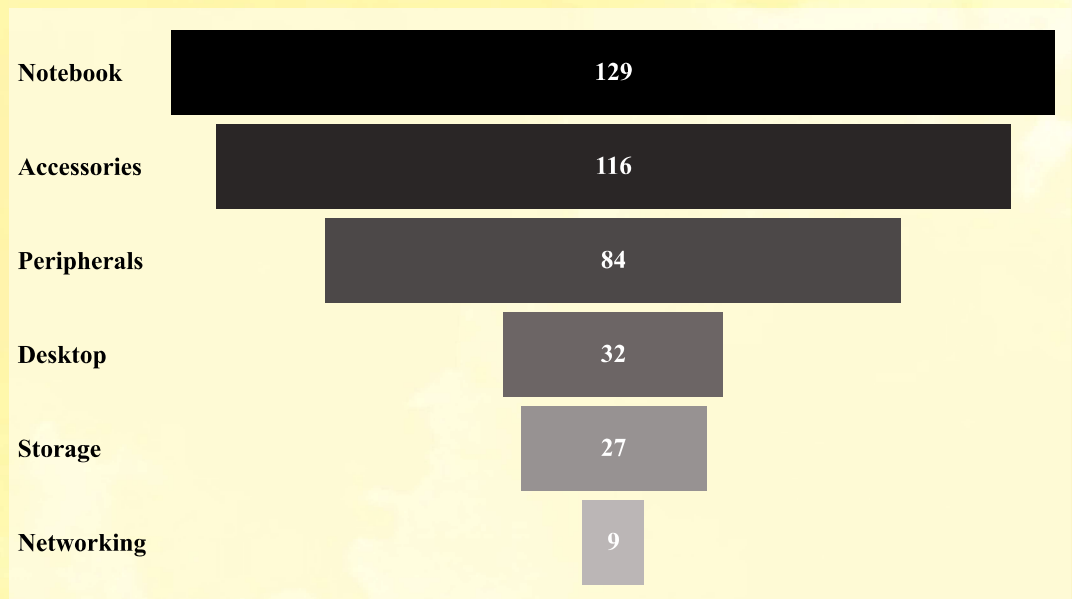
Provide a report with all the unique product counts for each segment and sort them in descending order of product counts.

```
SELECT segment, count(distinct( product_code)) as unique_product
FROM gdb023.dim_product group by segment order by unique_product desc;
```

SQL OUTPUT

segment	unique_product
Notebook	129
Accessories	116
Peripherals	84
Desktop	32
Storage	27
Networking	9

Unique_Product by segment



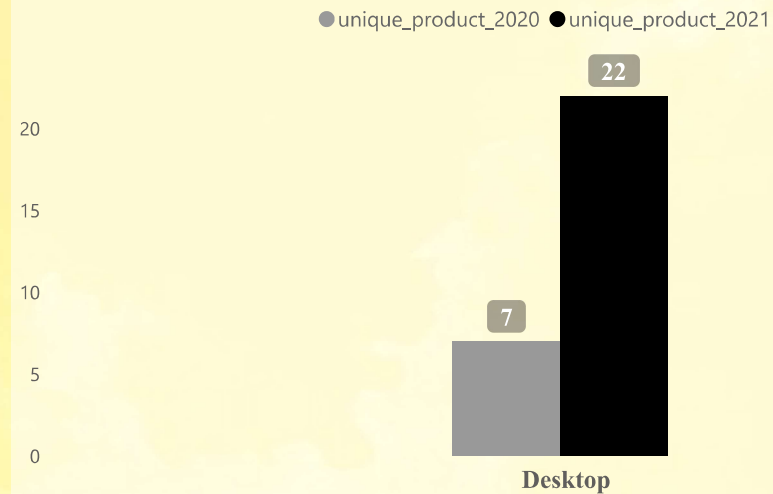
Which segment had the most increase in unique products in 2021 vs 2020?

```
with cte as (select p.segment,  
COUNT(DISTINCT CASE WHEN fiscal_year = 2020 THEN p.product_code END) as unique_product_2020,  
COUNT(DISTINCT CASE WHEN fiscal_year = 2021 THEN p.product_code END) as unique_product_2021  
from fact_sales_monthly s  
join dim_product p on p.product_code = s.product_code group by segment)  
select *,((unique_product_2021 - unique_product_2020)/unique_product_2020)*100 as difference  
from cte order by difference desc Limit 1;
```

SQL OUTPUT

segment	unique_product_2020	unique_product_2021	difference
Desktop	7	22	214.2857

Unique_Product by segment in 2021 vs 2020



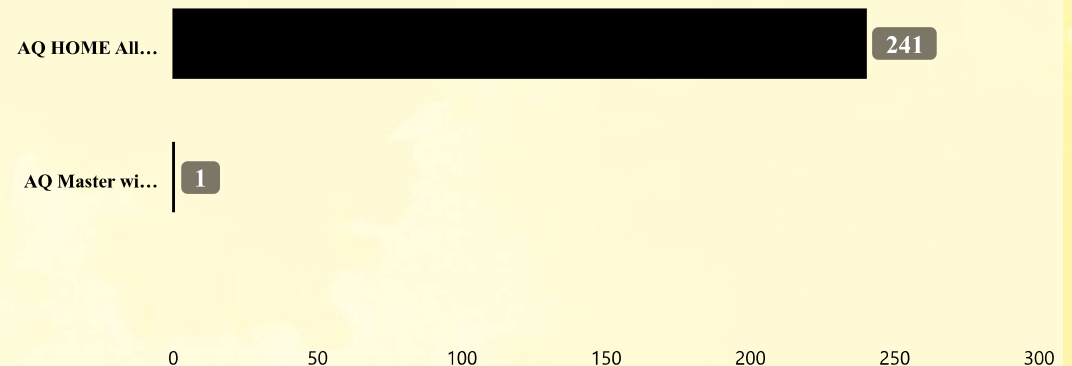
Get the products that have the highest and lowest manufacturing costs.

```
select p.product_code, p.product, manufacturing_cost from dim_product p
      join fact_manufacturing_cost m
      on p.product_code = m.product_code
where manufacturing_cost = (select max(manufacturing_cost) from fact_manufacturing_cost)
   or manufacturing_cost = (select min(manufacturing_cost) from fact_manufacturing_cost)
order by m.manufacturing_cost desc;
```

SQL OUTPUT

product_code	product	manufacturing_cost
A6120110206	AQ HOME Allin1 Gen 2	240.5364
A2118150101	AQ Master wired x1 Ms	0.8920

HIGH & LOW MANUFACTURING_COST



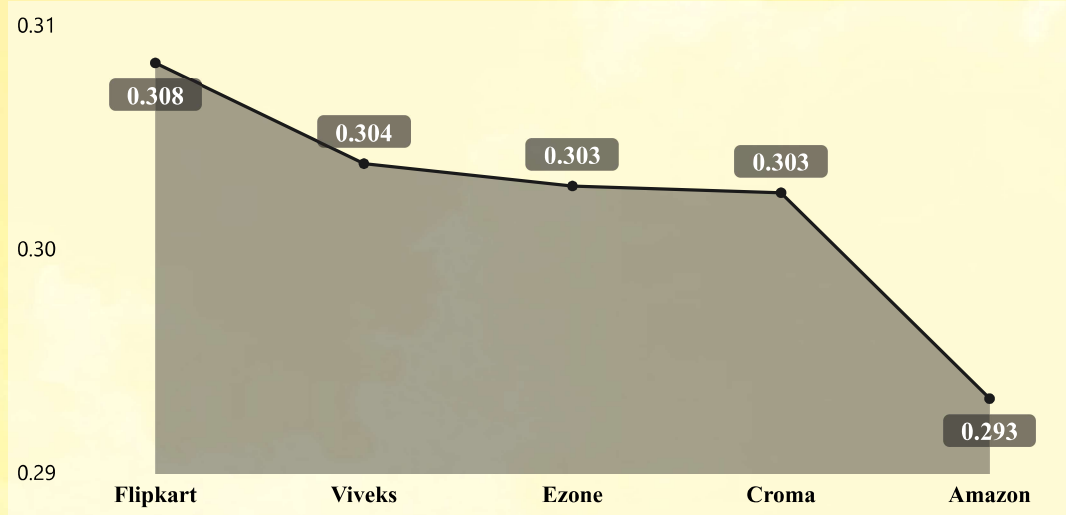
Generate a report which contains the top 5 customers who received an average high pre_invoice_discount_pct for the fiscal year 2021 and in the Indian market.

```
SELECT c.customer_code, c.customer, (pre.pre_invoice_discount_pct) as avg_discount_pct
FROM dim_customer c
join fact_pre_invoice_deductions pre
on c.customer_code = pre.customer_code
where fiscal_year = 2021 and market = "India"
Having pre_invoice_discount_pct > (select avg(pre_invoice_discount_pct) from fact_pre_invoice_deductions)
order by pre_invoice_discount_pct desc
limit 5;
```

SQL OUTPUT

customer_code	customer	avg_discount_pct
90002009	Flipkart	0.3083
90002006	Viveks	0.3038
90002003	Ezone	0.3028
90002002	Croma	0.3025
90002016	Amazon	0.2933

TOP 5 AVG_DISCOUNT_PCT CUSTOMERS IN INDIA FOR FY 2021



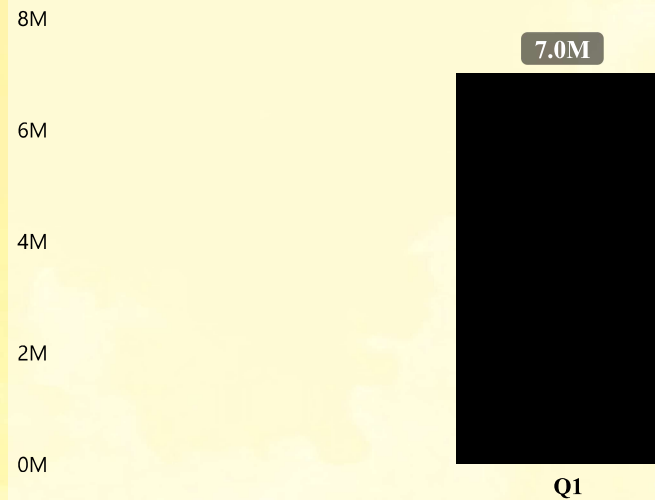
In which quarter of 2020, got the maximum total_sold_quantity?

```
SELECT case
  when month(date) in (9,10,11) then "Q1"
  when month(date) in (12,01,02) then "Q2"
  when month(date) in (03,04,05) then "Q3"
  when month(date) in (06,07,08) then "Q4"
end as Quarter, sum(sold_quantity) as total_sold_qty
FROM gdb023.fact_sales_monthly where fiscal_year = 2020 group by Quarter
order by total_sold_qty desc limit 1;
```

SQL OUTPUT

Quarter	total_sold_qty
Q1	7005619

QUARTER OF MAXIMUM SOLD QTY



Which channel helped to bring more gross sales in the fiscal year 2021 and the percentage of contribution

```
with cte as (SELECT s.fiscal_year, c.channel, (s.sold_quantity*g.gross_price) as gross_Sales
FROM gdb023.fact_sales_monthly s join fact_gross_price g
on s.fiscal_year=g.fiscal_year and s.product_code = g.product_code
join dim_customer c on s.customer_code=c.customer_code)
select channel,
round((sum(gross_sales))/1000000,2) as total_gross_sales,
round(sum(gross_Sales)/(Select sum(gross_Sales )
from cte where fiscal_year=2021)*100,2) as pct_contribution
from cte where fiscal_year=2021 group by channel ;
```

SQL OUTPUT

channel	total_gross_sales	pct_contribution
Direct	257.53	15.47
Retailer	1219.08	73.23
Distributor	188.03	11.30

TOTAL GROSS SALES & PCT CONTRIBUTION %

