



Request 4 : Segment with the Most Increase in Unique Products (2021 vs. 2020)

```
with CTE1 AS (SELECT
    P.segment AS A,
    count(Distinct(fs.product_code)) as B
from dim_product p, fact_sales_monthly fs
where p.product_code = fs.product_code
group by fs.fiscal_year , p.segment
having fiscal_year = "2020"),
CTE2 AS (SELECT
    P.segment as C,
    count(Distinct(fs.product_code)) as D
from dim_product p, fact_sales_monthly fs
where p.product_code = fs.product_code
group by fs.fiscal_year , p.segment
having fiscal_year = "2021")

SELECT
    CTE1.A as segment,
    CTE1.B AS Product_count_2020,
    CTE2.D AS Product_count_2021,
    (CTE2.D - CTE1.B) as Difference
FROM CTE1,CTE2
WHERE CTE1.A = CTE2.C
order by Difference DESC ;
```

	segment	Product_count_2020	Product_count_2021	Difference
▶	Accessories	69	103	34
	Notebook	92	108	16
	Peripherals	59	75	16
	Desktop	7	22	15
	Storage	12	17	5
	Networking	6	9	3



Insights: Product growth varied across segments, with Accessories leading in absolute growth (+34, +49%), Desktops showing the highest relative increase (+214%), steady gains in Notebooks and Peripherals (+16 each), and minimal expansion in Storage (+5) and Networking (+3)..