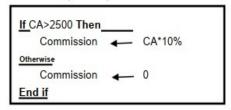
# **TP 07**

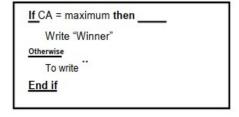
## Exercise 1: "IF" function

In this exercise you have two tables to complete.

 In the first table you must calculate the commission from each seller. For this, you will write in cell " C4" the function that corresponds to the following algorithm and you have it copied to the low for cells (C5:C11).



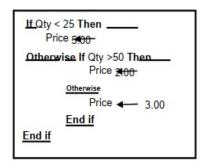
- In the second table you will have to write a function that finds the best seller.
  - In cell "B23" calculate the MAX of CA (turnover figures).
  - · Give the name " maximum " to cell B23.
  - In cell "C18" write the function that corresponds to the following algorithm and copy it down to cells (B19:B22).



4	А	В	С		
1	Commissions sur ventes				
2					
3	Vendeurs	CA	Commissions		
4	vendeur1	1 000,00 €	- €		
5	vendeur2	1 200,00 €	- €		
6	vendeur3	5 000,00 €	500,00€		
7	vendeur4	3 200,00 €	320,00€		
8	vendeur5	2 500,00 €	- €		
9	vendeur6	950,00€	- €		
10	vendeur7	4800,00€	480,00€		
11	vendeur8	1800,00€	- €		
12					
13					
14					
15		Gagnant concours	5		
16			411		
17	Vendeurs	CA	Résultat		
18	vendeurs1	550,00€			
19	vendeurs2	800,00€			
20	vendeurs3	1 200,00 €			
21	vendeurs4	450,00€			
22	vendeurs5	1 300,00 €	Gagnant		
23	maximum	1 300,00 €			

## Exercise 2: If Nested In this

exercise you have 7 product lists. You will have to find the unit price of each list based on the quantity purchased. Write the nested IF function that corresponds to the following algorithm in cell C4 and copy it down to cells (C5:C10).



4	A	В	С	
1	Quantité en gros			
2				
3	Produits	Qté	Prix	
4	P1	10	5,00€	
5	P2	25	3,00 €	
6	P3	55	2,00 €	
7	P4	100	2,00€	
8	P5	20	5,00 €	
9	P6	30	3,00 €	
10	P7	45	3,00€	

#### Exercise 3: Logical "AND" function

In this exercise you will have to find among a list of 8 people those who deserve a raise.

Write the following function in cell " E4 " and copy it down to the cells (E5:E11).

E4=ET (Salary < 900; seniority >=3; Points>50).

Note: This function is a compound condition.

1	Α	В	С	D	E
1	augmentation salaire				
2					
3	noms	salaire	ancienneté	points	Augmentation
4	pers1	835	5	51	VRAI
5	pers2	900	12	45	FAUX
6	pers3	850	5	52	VRAI
7	pers4	910	4	50	FAUX
8	pers5	850	3	56	VRAI
9	pers6	950	10	54	FAUX
10	pers7	800	7	49	FAUX
11	pers8	785	2	48	FAUX

### Exercise 4: IF AND

In this exercise you will use the "IF" function with an "AND" compound condition. This exercise is similar to the previous exercise,

except this time you will calculate the raise for the people who deserve the raise. To do this, write the function that corresponds to the following algorithm in cell " E4 " and copy it down to the cells (E5:E11).

If (Salary <900 and seniority >=3 and points>50 Then Salary Increase *1 <del>05</del>	l <u>a</u>
Otherwise Increase   Otherwise Increase   Otherwise Increase	

1	augmentation salaire				
2					
3	noms	salaire	ancienneté	points	Augmentation
4	pers1	835	5	51	876,75€
5	pers2	900	12	45	- €
6	pers3	850	5	52	892,50€
7	pers4	910	4	50	- €
8	pers5	850	3	56	892,50€
9	pers6	950	10	54	- €
10	pers7	800	7	49	- €
11	pers8	785	2	48	- €

A B C D E

# Exercise 5: NBSI

In cell "F4" you will calculate the number of amounts that are greater than 1000.

Give the name amount to the range (D2:D27).

Write the following function in "F4".

# F4=NBSI(amount; "">1000")

In cell "F13" calculate the average of the amounts.

In cell "F5" calculate the number of amounts that are greater than the average "F13".

