

Excel

Logical Functions

Catarina
Oliveira

DCT DEPARTAMENTO CIÊNCIA
E TECNOLOGIA

CONTENT

1. Objectives
2. IF
3. AND
4. OR
5. NOT

Objectives

Make conditional operations

Test/Validate operations

Avoid errors on the spreadsheet

IF

Classify students with F for grades below 50% and P for the remainder

C2							
	A	B	C	D	E	F	
1	Student	Grade	Class.				
2	Ann	75%	P				
3	Bob	41%	F				
4	Charles	33%	F				
5	Diana	72%	P				

Classify students with F for grades below 40%, E for grades between 40% and 50%, and P for the remainder

C2								
	A	B	C	D	E	F	G	H
1	Student	Grade	Class.					
2	Ann	75%	P					
3	Bob	41%	E					
4	Charles	33%	F					
5	Diana	72%	P					

AND

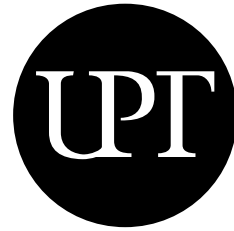
C2					
✕ ✓ <i>fx</i> =AND(A2;B2)					
	A	B	C	D	E
1	Val1	Val2	Result		
2	TRUE	TRUE	TRUE		
3	TRUE	FALSE	FALSE		
4	FALSE	TRUE	FALSE		
5	FALSE	FALSE	FALSE		

OR

C2					
✕ ✓ <i>fx</i> =OR(A2;B2)					
	A	B	C	D	E
1	Val1	Val2	Result		
2	TRUE	TRUE	TRUE		
3	TRUE	FALSE	TRUE		
4	FALSE	TRUE	TRUE		
5	FALSE	FALSE	FALSE		

NÃO

B2					
✕ ✓ <i>fx</i> =NOT(A2)					
	A	B	C	D	E
1	Val1	Result			
2	TRUE	FALSE			
3	TRUE	FALSE			



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Do conhecimento à prática.