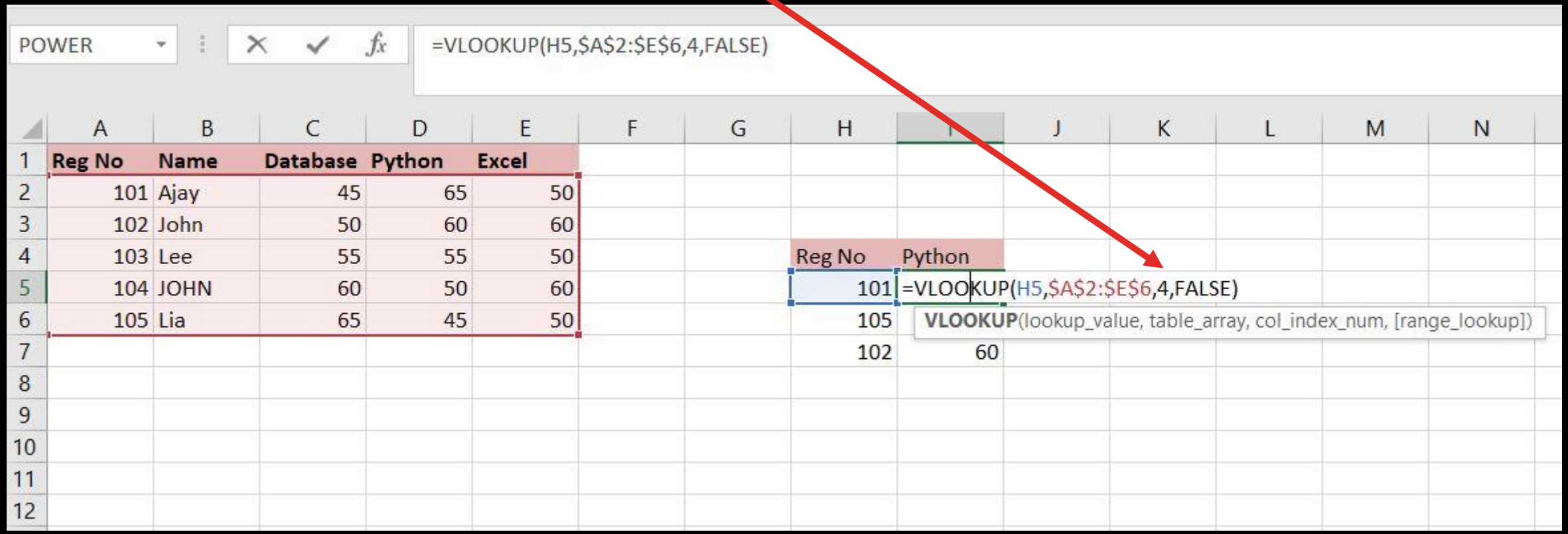
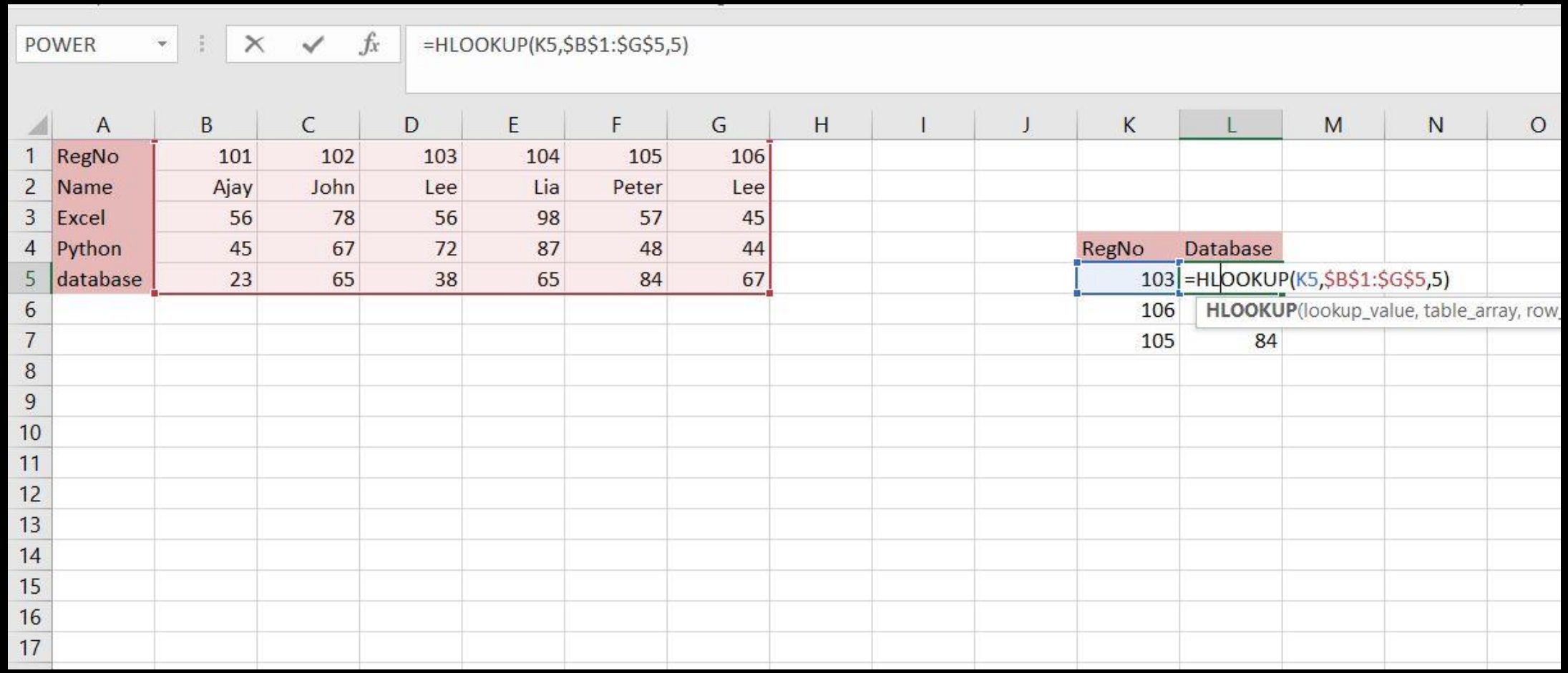
LOOKUP AND REFERENCE FUNCTIONS

VLOOKUP

This means the column number in which Python Marks are present

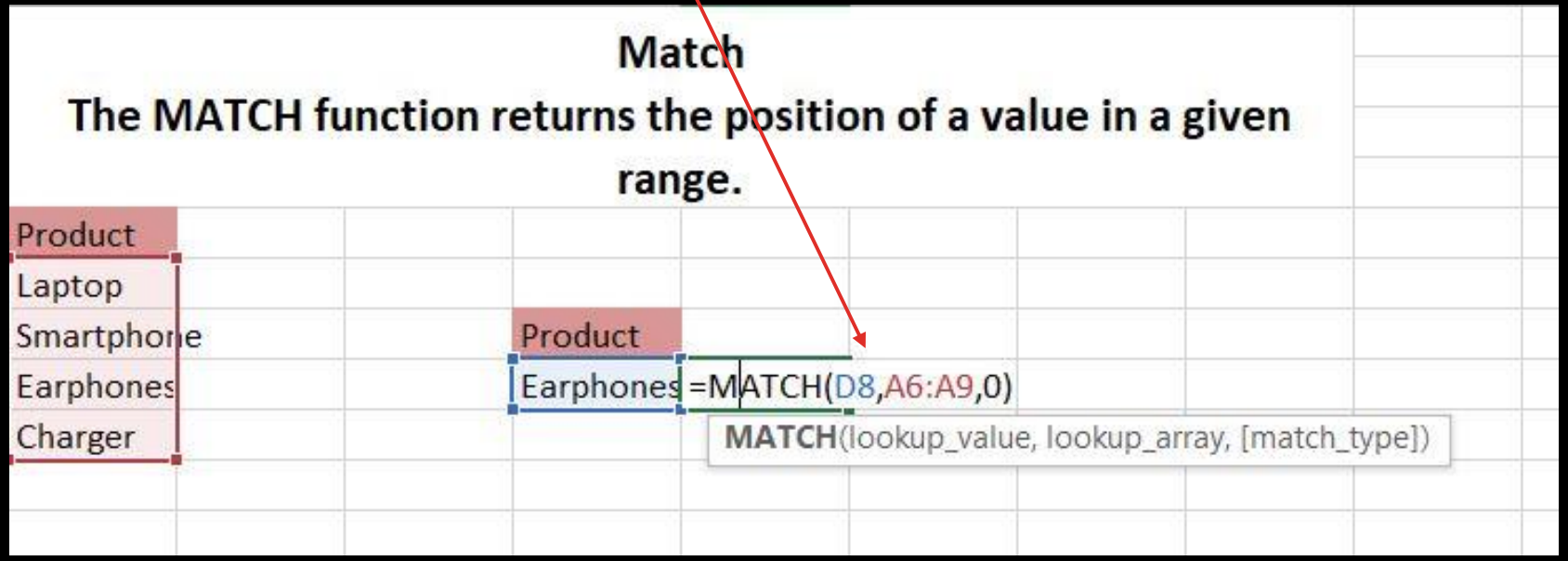


HLOOKUP


POWER
=HLOOKUP(K5,$B$1:$G$5,5)
RegNo 101 102 103 104 105 106
Name Ajay John Lee Lia Peter Lee
Excel 56 78 56 98 57 45
Python 45 67 72 87 48 44
database 23 65 38 65 84 67
RegNo Database
103 =HLOOKUP(K5,$B$1:$G$5,5)
106
105 84
HLOOKUP(lookup_value, table_array, row

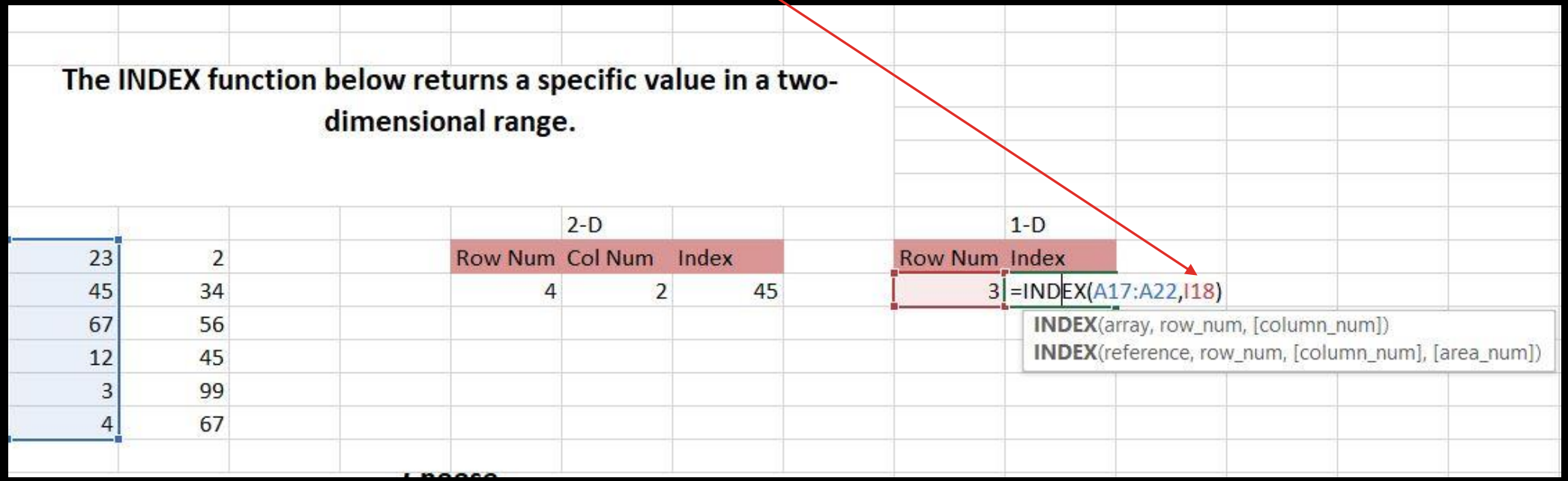
MATCH FUNCTION

Reference to the cell which contains the value we want to search



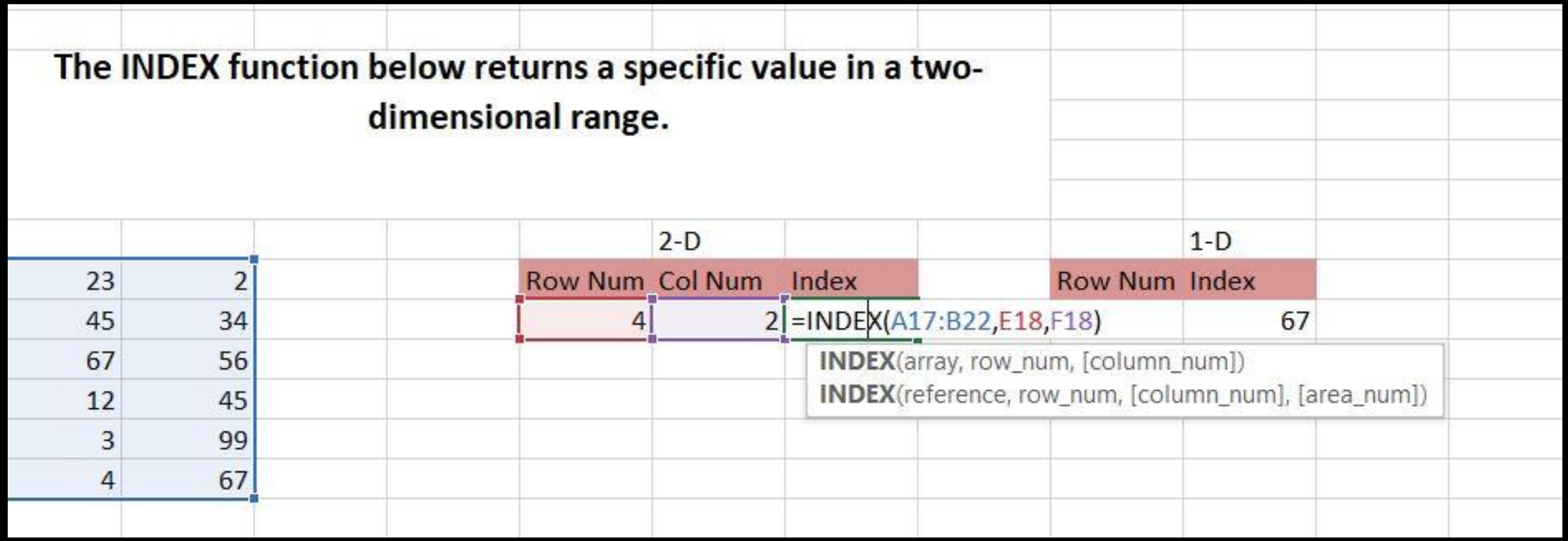
INDEX

1 dimensional Index function in which we specify range of data and row number and we get data in result

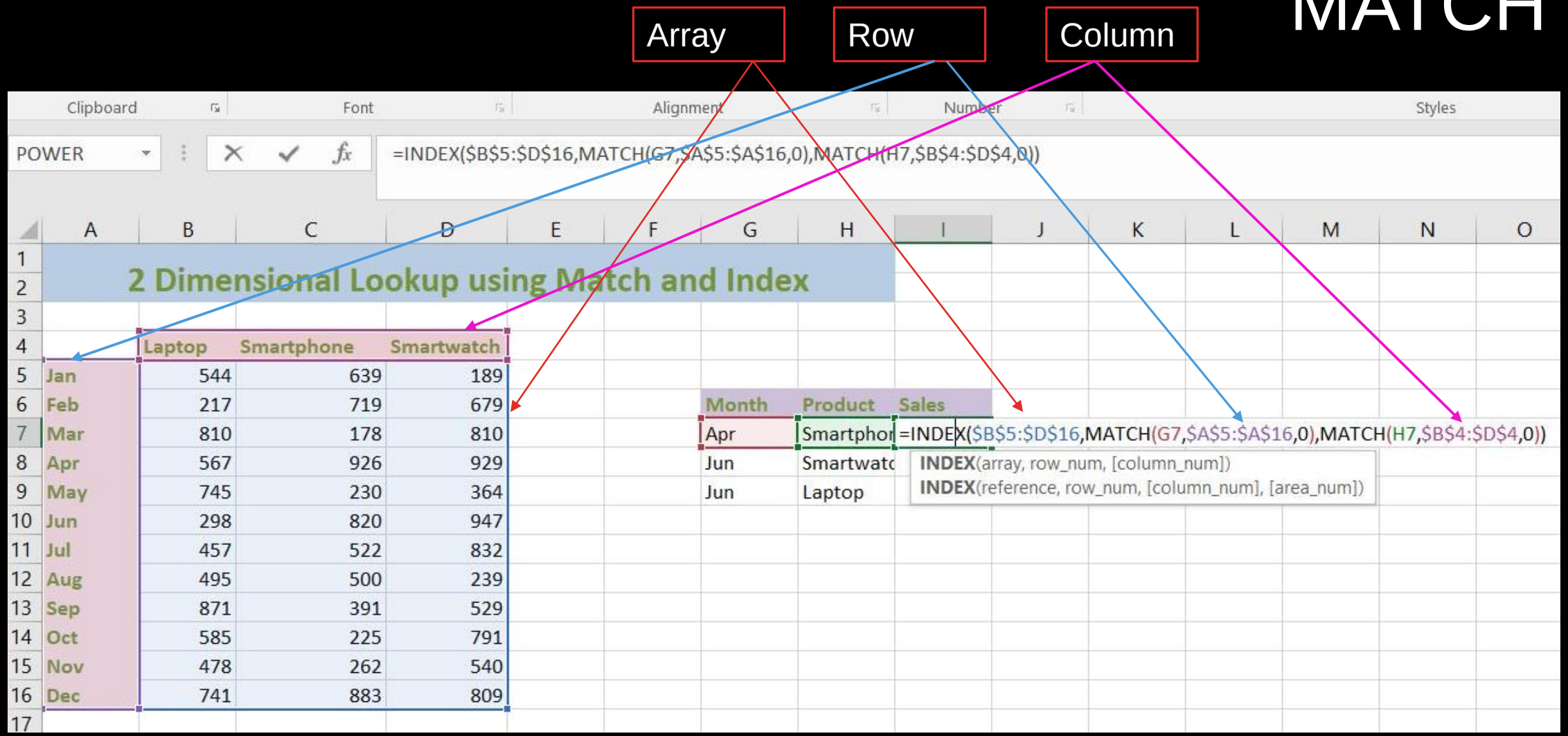


INDEX

2 Dimensional Index: Here we specify range of two dimensional data, row number and column number and we get result as value

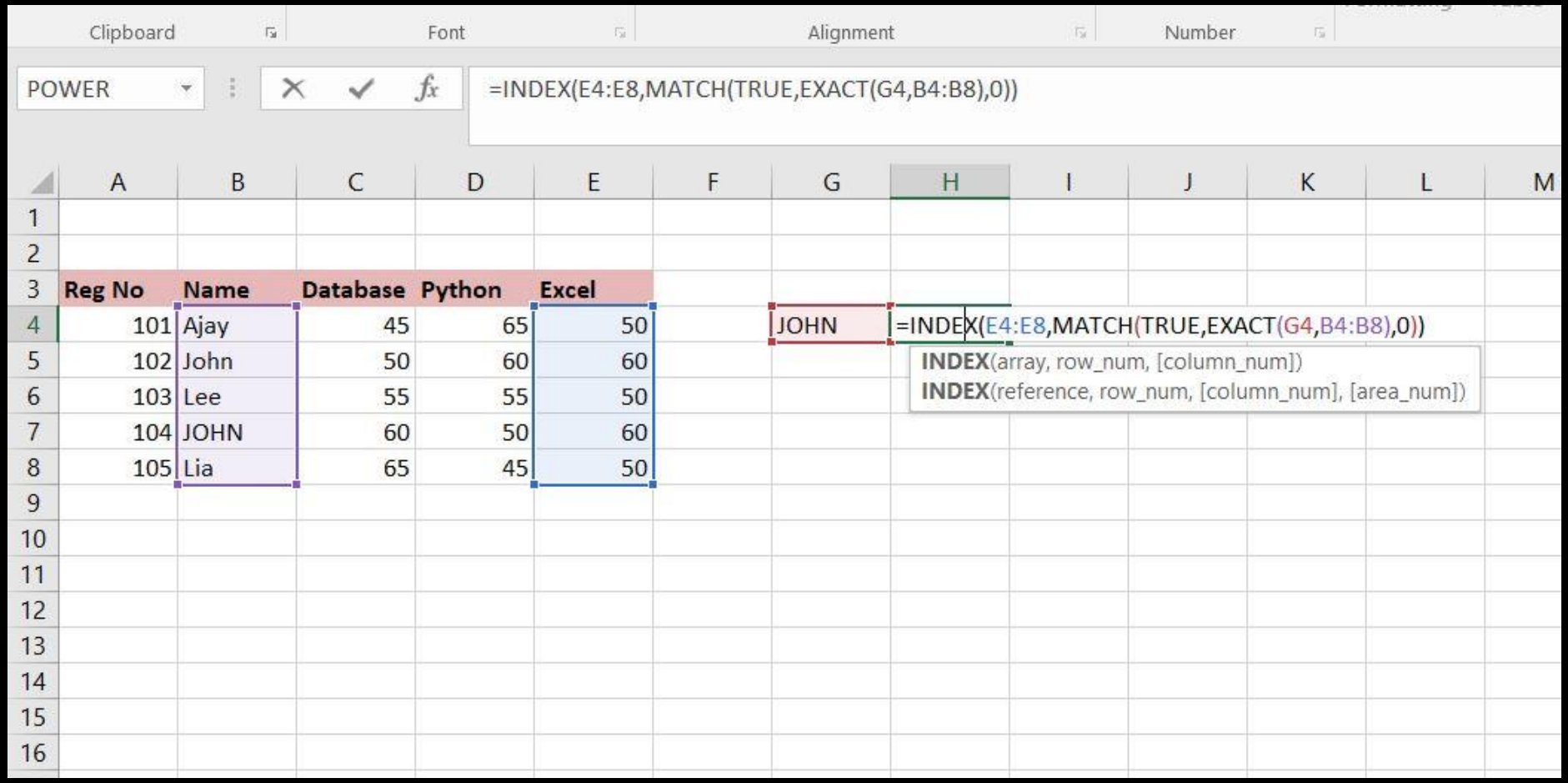


2WAY LOOKUP USING INDEX AND MATCH



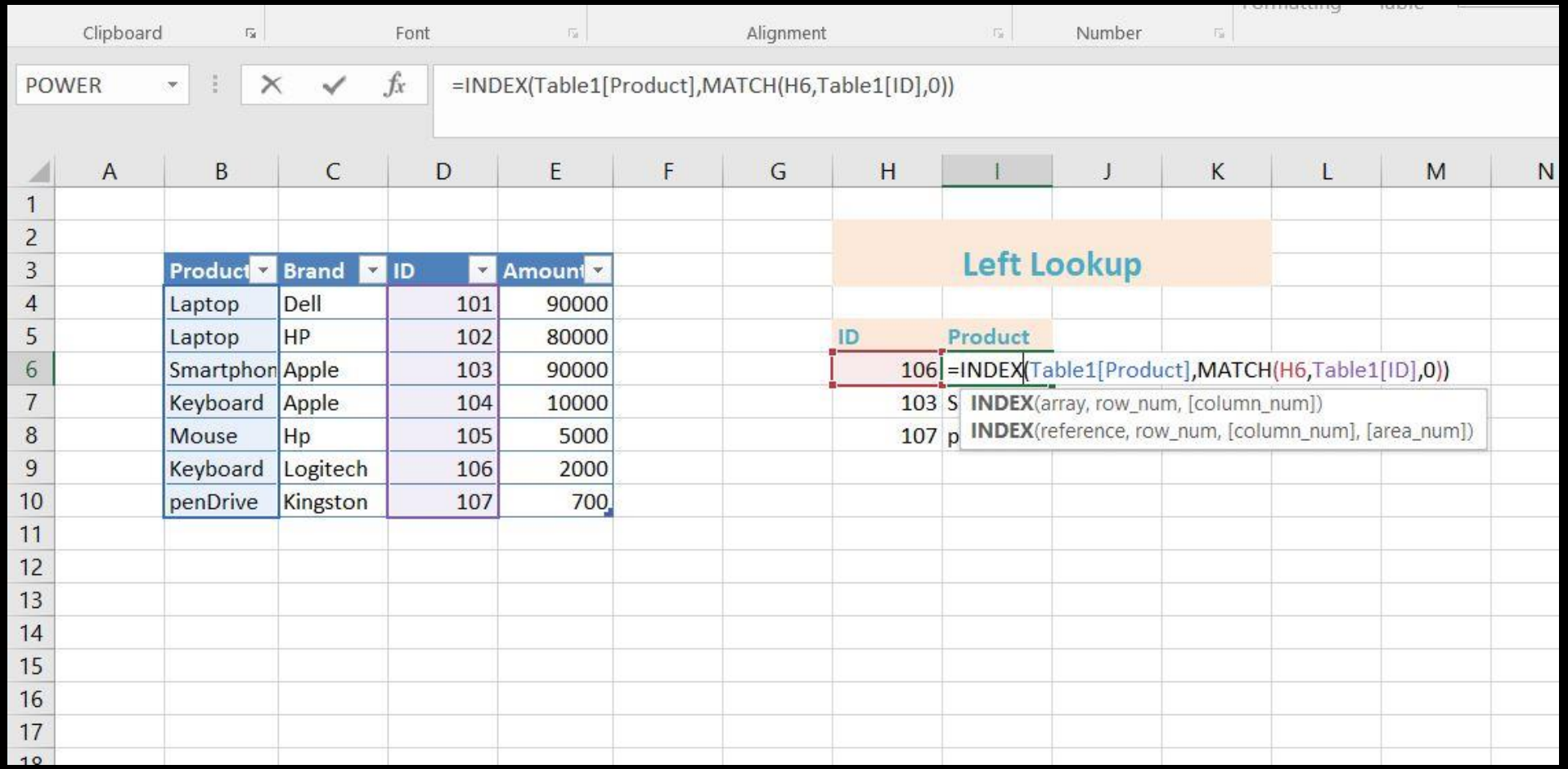
CASE SENSITIVE LOOKUP USING INDEX, MATCH AND EXACT

Execute this by pressing Ctrl-Shift-Enter because this is an array formula as John will be compared with complete column Name.

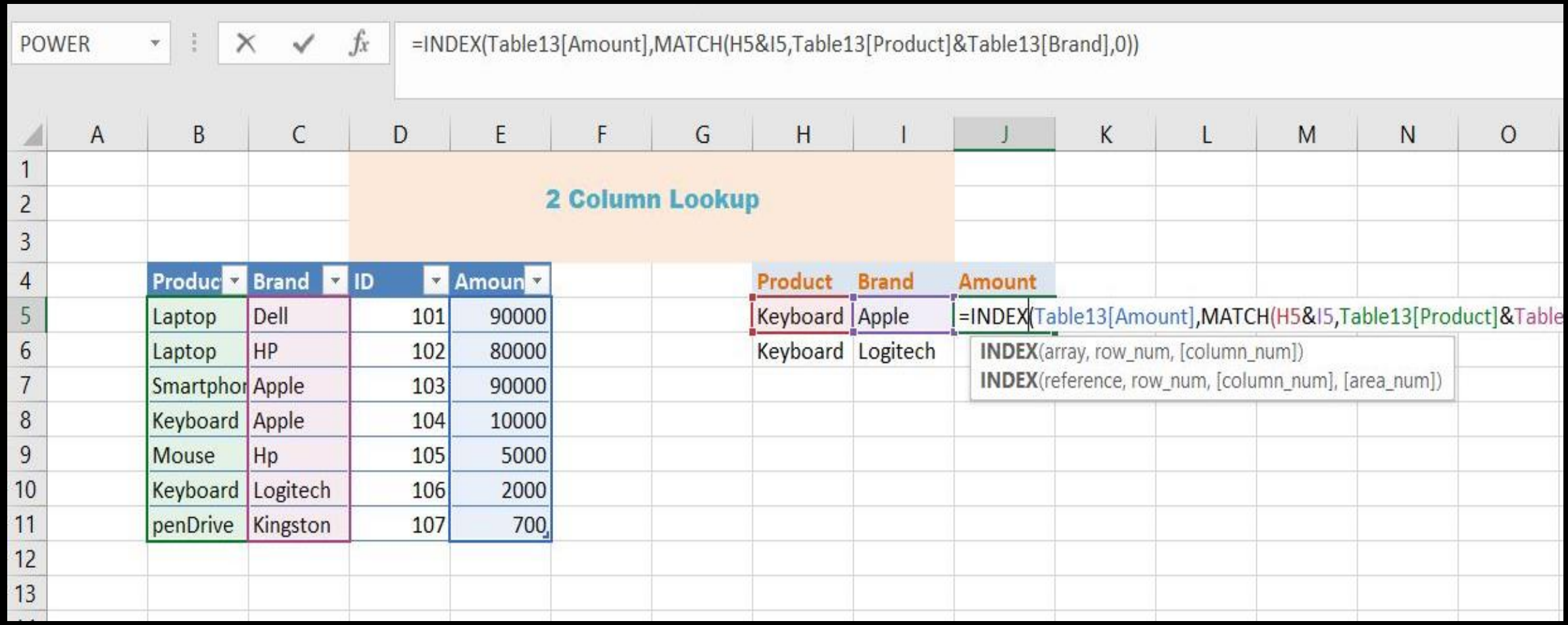


LEFT LOOKUP: USING INDEX AND MATCH

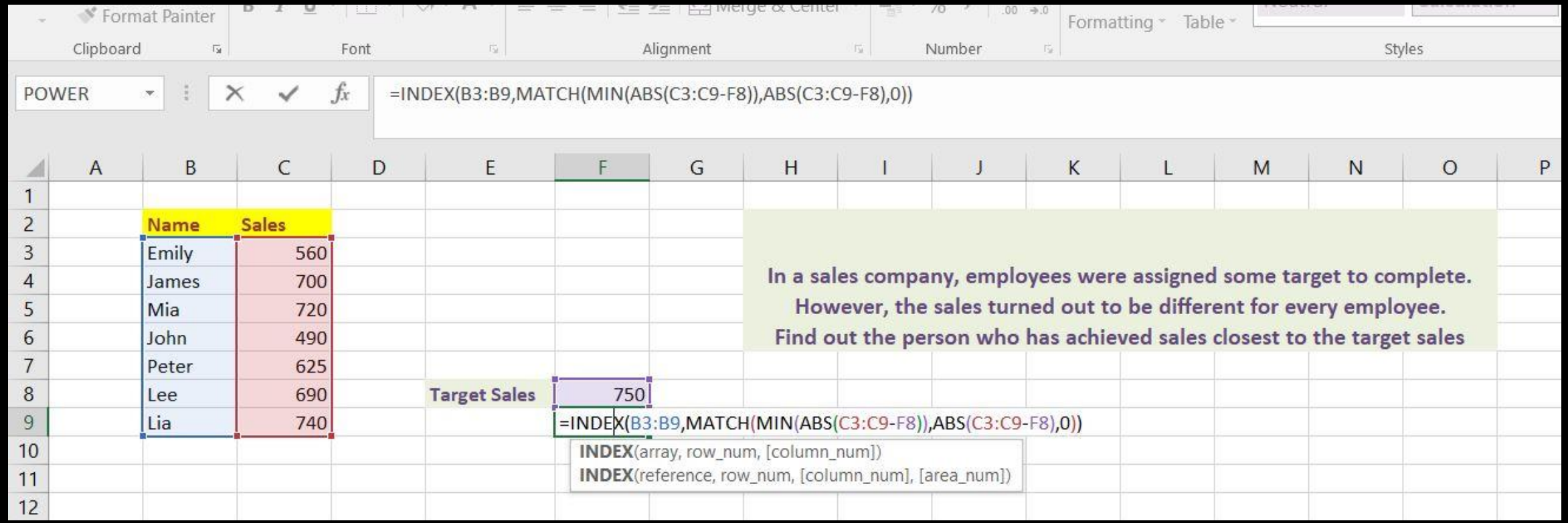
With Vlookup we can only search from left to right, in order to search from right to left, use combination of index and match. As match will return a position, and use this as an input to index and get an output



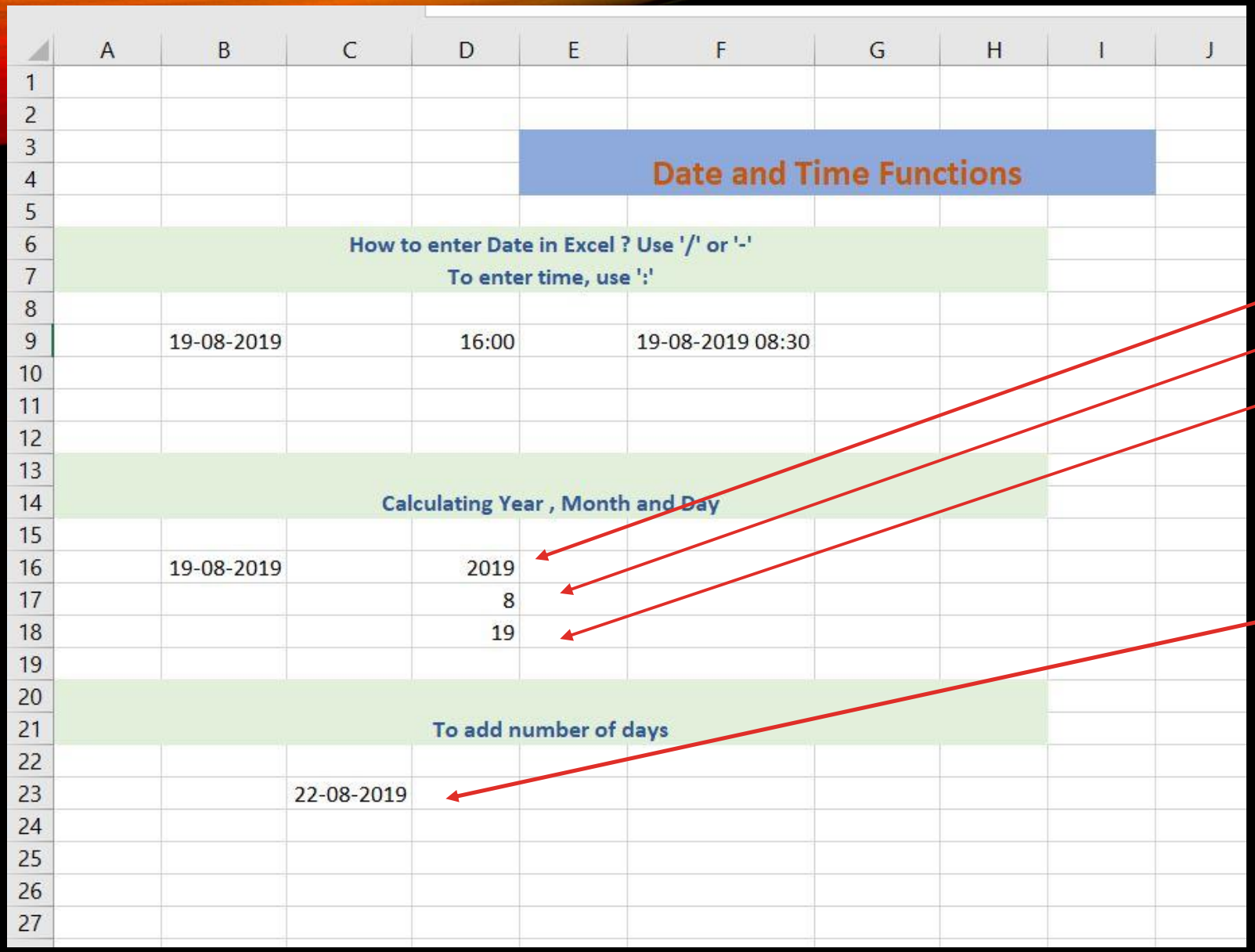
TWO COLUMN LOOKUP



CLOSEST MATCH



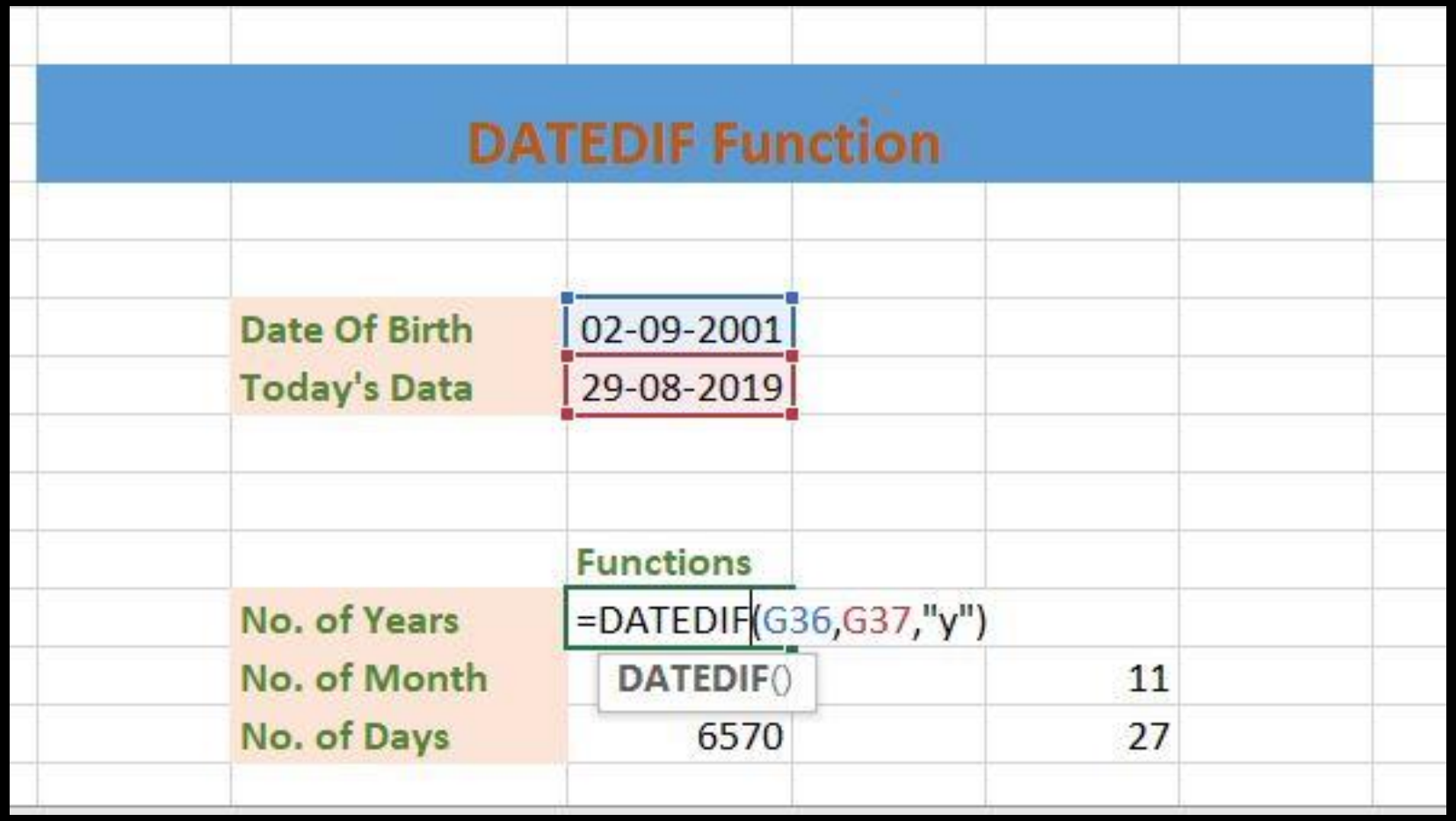
DATE & TIME FUNCTIONS



Format of date and time

To calculate year month and day: Use
=YEAR(B16)
=MONTH(B16)
=DAY(B16)

To add some days to a date: use
=(B16+3)



Parameters to use in datedif:
“y” : to calculate years
“m”: to calculate number of months
“d”: to calculate number of days
“ym”: ignore year and days and calculate months
“md”: ignore year and month and calculate days

To add a number of years, months and/or days, use the DATE function.

Hour Function

09:45:34	=HOUR(L23)
18:54:12	

HOUR(serial_number)

Time Function:

To add a number of hours, minutes and/or seconds, use the TIME function.

09:45:34	=TIME(HOUR(L30)+3,MINUTE(L30)+5, SECOND(L30)+6)

TIME(hour, minute, second)