## Microsoft Excel makes it easy to calculate the Rise & Fall without making any errors

Students lacking computer skills and can't the instruction should contact me.

2	Α	В	С	D	E	F	G	Н	1	J
1	Stat	tion	on Backsight	Inter mediate	Foresight	Fall(-) Rise(+)	Reduced Level 100.000	Remarks	Rise & Fall Records using Microsoft Excel	
2	1	Α	1.325							
3	2	В		2.550		-1.225	98.775			
4	3	С		3.125		-0.575	98.200		Column A	Station numerical
5	4	D		2.890		0.235	98.435		Column B	Station alphabetical
6	5	E		2.050		0.840	99.275			only one of the above is used
7	6	F		1.850		0.200	99.475			
8	7	G		1.350		0.500	99.975		Cell C23	Sum of Backsight
9	8	Н		1.970		-0.620	99.355		Cell E23	Sum of Foresight
0	9	J		2.830		-0.860	98.495		Cell G23	Sum of Rise & Fall
1	10	К	0.900		4.750	-1.920	96.575	Change Point		
12	11	L		1.280		-0.380	96.195		Cell D24	Backsight minus Foresight
3	12	М		2.090		-0.810	95.385			
4	13	N		1.840		0.250	95.635			
5	14	0		1.875		-0.035	95.600			Sheet 2 shows you wha
16	15	P	3.375		0.250	1.625	97.225	Change Point		formulas have been used t
7	16	Q		2.760		0.615	97.840	47	0	calculate the
8	17	R		1.980		0.780	98.620			Rise and Fall
9	18	S		2.560		-0.580	98.040			and the
20	19	Т		3.220		-0.660	97.380			Reduced Levels
1	20	U			0.595	2.625	100.005			Meduced Levels
2	21	V	5.600		5.595	0.005				
3	707-17			0.005						
4							SHE	ET 1		
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Remember first activate the cell in which the formula goes then type = and select the data cell and the oprerand (+, -, x or /)

Z	Α	В	С	D	E	F	G	Н	-1	J			
1	Station		Backsight	Inter mediate	Foresight	Fall(-) Rise(+)	Reduced Level	Remarks	Rise & Fall Records using				
2	1	Α	1.325				100		Microsoft Excel				
3	2	В	1	2.55		=C2-D3	=G2+F3		December date (Declarable Interventiate sinh) Conscients				
4	3	С		3.125		=D3-D4	=G3+F4		Record the data (Backsight, Intermediate sight & Foresight in the appropriate columns cells.  1) Click on Cell F5 (make it active) and select the = sign.  Now you can put the formula in the cell				
5	4	D		2.89		=D4-D5	=G4+F5						
6	5	E	j	2.05		=D5-D6	=G5+F6						
7	6	F		1.85		=D6-D7	=G6+F7		(Always use the = sign for formula input)  Then click on cell C4 hit the minus button and click on D5  hit ▶ Enter (first formula is entered in F5 Value = -1.225				
8	7	G		1.35		=D7-D8	=G7+F8						
9	8	н		1.97		=D8-D9	=G8+F9						
10	9	J		2.83		=D9-D10	=G9+F10		is shown 2) Make Cell F6 active and select = then click on D5 minus D6 and ► Enter (Value = -0575) 3) Copy the formula down to Row 12.				
11	10	K	0.9		4.75	=D10-E11	=G10+F11	Change Point					
12	11	L		1.28		=C11-D12	=G11+F12	7.10					
13	12	M		2.09		=D12-D13	=G12+F13						
14	13	N		1.84		=D13-D14	=G13+F14			ive and select = (Change Point)			
15	14	0		1.875		=D14-D15	=G14+F15		click on D12 minus E13 ➤ Enter (Value =-1.92)  5) Make Cell F14 active and select = (Change Point) then click on C13 minus D14 ➤ Enter (Value =-0.  6) Make Cell F15 active and select =	N N N N N N N N N N N N N N N N N N N			
16	15	P	3.375		0.25	=D15-E16	=G15+F16	Change Point		일반 경기가 되었다면 하고 있다면 하지만 하는 것이 없는데 얼마나 하고 있다.			
17	16	Q		2.76		=C16-D17	=G16+F17						
18	17	R	7	1.98	_	=D17-D18	=G17+F18		now click on D14 minus D15 ▶ Enter (Value =-0.81)				
19	18	S		2.56		=D18-D19	=G18+F19		7) copy the formula down to Row 17				
20	19	Т	Ţ.	3.22		=D19-D20	=G19+F20						
21	20	U			0.595	=D20-E21	=G20+F21			ula follow the above steps			
22	21	1    =SUM(CZ:CZ1)   =SUM(EZ:EZ1) =SUM(F3:FZ1)				inge point have BS & FS and require							
23			j.	=C22-E22		Ī.			different inputs				
24							SHEET 2	•	1				