# **RANGES CHEAT SHEET**

### **Operators**

#### Range operator (colon)

4-sided range including all cells





### Intersection operator (space)

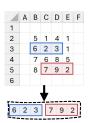
Range shared by 2 or more ranges





#### **Union operator (comma)**

Combines two or more ranges together



B2:D2,C4:E4

Union operator

### Formulas returning ranges

#### 8 formulas to return ranges.

[1] CHOOSE

CHOOSE (2, B2:B5, C2:C5, D2:D5)

[2] IF

C2: IF (TRUE, C5, D5)

	Α	В	С	D	Е	F
1						
2		5	1	4	1	
3		6	2	3	1	
4		7	6	8	5	
5		8	7	9	2	
6						
				ıple 2:C		

[3] IFS

IFS (1=2, B2:B5, 2=2, C2:C5, 2=2, D2:D5)

[4] INDEX

C2:INDEX(B2:E5,4,2) or INDEX(B2:E5,0,4)

[5] INDIRECT

C2: INDIRECT ("C5")

[6] OFFSET

OFFSET (B2, 0, 1, 4, 1)

[7] SWITCH

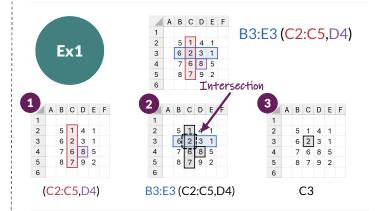
SWITCH(2,1,B2:B5,2,C2:C5,3,D2:D5,4,E2:E5)

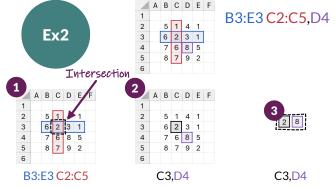
[8] XLOOKUP

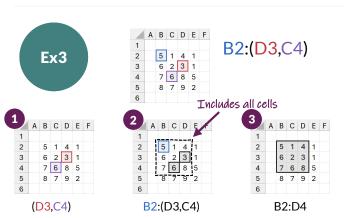
C2:XLOOKUP(8,B2:B5,C2:C5))

## **Calculation Order**

[1] Brackets [2] Range [3] Intersection [4] Union







### **Other Operators**

- Absolute marker: Use [F4] to cycle through options
  Freezes cell references when copying or dragging
- # Spill operator:
  Returns range from a dynamic array spill range
- Implicit intersection operator:
  Returns cell from same row or column

