Total #of electron pairs	# lone pairs	Chem Repr.	VSEPR CODE	Basic Shape	Shape And Angle	Name	Eg.
1	0		AX			Linear	HF
2	0		AX_2			Linear	BeF_2
2	1		AXE			Linear	
3	0		AX_3			Trigonal planer	BF_3
3	1		AX_2E			Angular	$SnCl_2$
3	2		AXE_2			Linear	
4	0		AX_4			Tetrahedral	CCl_4
4	1		AX_3E			Trigonal pyramid	NH_3
4	2		AX_2E_2			Angular	H_2O

4	3		AXE_3			Linear	HCl
5	0		AX_5			Trigonal bypyramid	PCl_5
5	1		AX_4E			Disphenoid (seesaw)	SF_4
5	2		AX_3E_2			T-shape	ClF_3
5	3		AX_2E_3			Linear	XeF_2
5	4		AXE_4			Linear	
6	0		AX_6			Octahedral	SF_6
6	1		AX_5E			Square pyramid	IF_5
6	2		AX_4E_2			Square plane	XeF_4
6	3		AX_3E_3			T-shape	
6	4		AX_2E_4			Linear	
6	5		AXE_5			Linear	