Note Title 13-09-2011 Floating Point 23 man tissa exponent Nan (255(€), m≠0) (E=0, m=0) Denormal (E=0) (m + 0) + 00 (255 (E), m=0) - DO (255 (E), M=0)

7. 834 3. 212 11-046 (1.1046 ×101) (1.105 ×10') Two Floating Point Numbers (A+B)
(A>0 2 B>0) Take a look at sign bits
Compare A and B (W.l.g A7B) Align the smaller number, B, by right
shifting Add mantissas. (1.2+1.y = 2.u or 3.v)

5) Normalize	
6) Rounding	Enamples.
7) Re-normdize.	precision
	1.011 = 3bib
	+
	.11 × 2 <sup>-2</sup>
	1-011
	0.01115 158
	J. 1101
1) Francate	3) Round to -00
2) Round to to	4) Round:

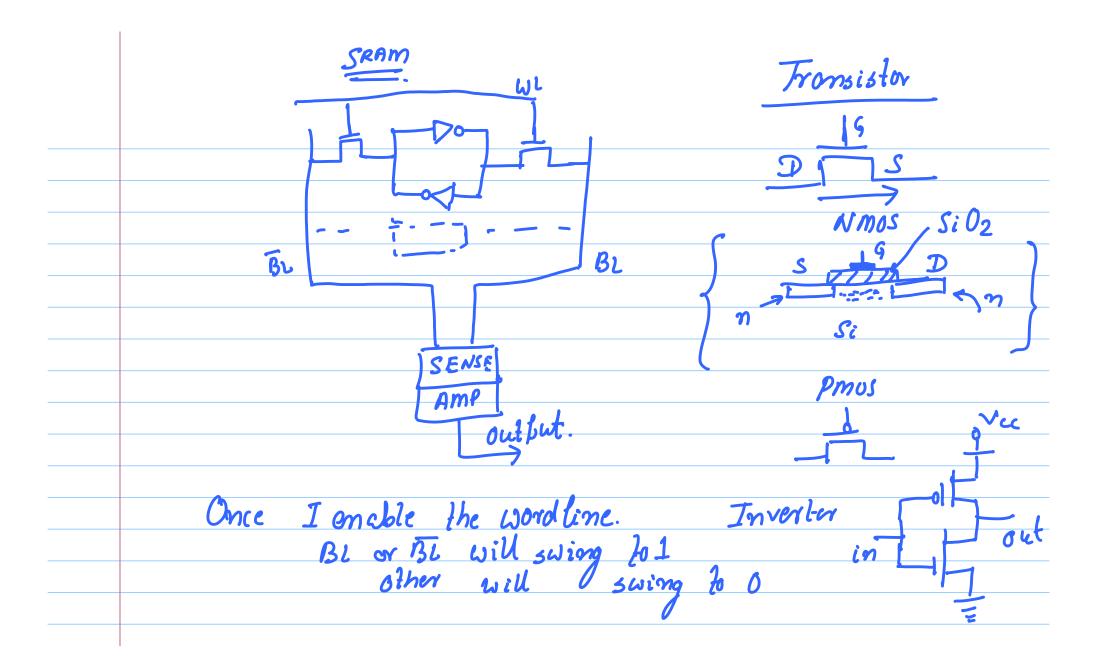
## Rounding on FP Num

multiplication [Notes consider a guard 2 round bit (conceptually same) Truncate -> Round down (+) Round up (-). Round up & Round down have the same commotation. S Floating Point Assembly

Not covered

Please Read.

	Ct	apter 4	ا ک ک	Archi tecture
	-> State (	Registers, Mem Adden Sub, Divide,	) {4 5	Organization.
	→ logic. (	Adden Sub, Divide,	)	
Si	ate_			
Flit Flobs	latch (D flipfly)	Memory		RAM (SRAM)
	(D July 1.1)	Cell	- Dynomic	RAM (DRAM)



i) Frechange: BL and BL 70 0.5 V 2) Enable WL
3) Bi and Bi would start swinging in opp. directions.
4) 450 mV 550 mV