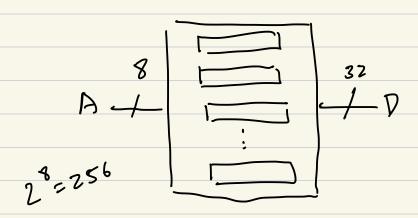
CS 315-01 Decoder	ROM Encoder
Todal	
Roms Instruction	Menory
Decoder	
Priority Encoder	
Instruction decod	Pi~y
	RAM?
	Random Access me nory
ROM Read Only 1	



Instruction Memory PLOGTJ-DAPPED ROMD Lom Row

Decoder 2 to 4 decoder 3 to 8 4 40 16 5,5-13 12 1, 10 ro= (s1.50) 00 6001 $\Gamma_1 = (\bar{S}_1 \cdot S_0)$ 0 0 1 0 0 1 0 0 (2= (51·50) (3 = (s. - s-) 1 0 0 0 Instruction decoder IN / analyze / journ 4 btype O itype 1 stype 2 load 3 5+4PC total

Encoder

Priority Encoder

c value aualyze decode splitters Priority Encoder itype 0010011 6-0 32 7..x opcode rtype 1(-7 1.1 rd <u>j</u>a1 jal o pade

