in[h-1:0], Shift\_ammount [cloy\_(n)-1:0], ou4[n-1:0] 8ht A commont Schem uses n=4 ter my sunity IDEA: Concat to with his of O, Better fir generate Statements, in\_ext (iltwo/ 8htt-commont Wrong! US! Buckwords!

Logical Left Shist

Logical Right Thist in [n-1:0], Ritt-ammount [colog (n)-1:0), out [n:0] Schem using N=4 fer my Sunity 8ht -cm nows Iden, Concationne with Us 8hta-cm moul 6543210 out[i) ) out[i)

Arithmetic Shift Right
in Sn-1:07, Shift\_connent [alog\_[n]-1:0], out [n-1:0]

Schem using nou

Then I start bus again 9h. Flammon A out [0] 9h.H\_am 6743210 ont[0] out[i) out[i) Out[2] Out[2]

ini a s, Entrol  $ALU\_AND = 4'b0001,$ B.tw.se Out. Vesult, crestlew, Zero, qual  $ALU_OR = 4'b0010,$  $ALU_XOR = 4'b0011$  $ALU_SLL = 4'b0101,$  $ALU_SRL = 4'b0110,$  $ALU_SRA = 4'b0111,$  $ALU\_ADD = 4'b1000,$  $ALU_SUB = 4'b1100,$  $ALU_SLT = 4'b1101$ , ALU\_SLTU = 4'b1111 - Lun 1 hm, wis grad 32 Added sulpress: it more to cley N S. Is in b, overslows (use a Mux) result

