CS 774 HWY Bearnson
1. long decoder (longx, long y, long 2) {
$y = 2;$ $x \neq y;$ $z = x;$ z
return vox; D. sair fool, fordx I long result = 0 I long masks; masks masks might X is & d with the fortunask = 15 mask; masks might X is & d with the result 1 = X & mask weigh then ord res 1 = 88 mask, result 1 = X & mask
3. Alordy 4. NR(v) (3x(v)) B. % rax NC(v) (4x(v)+1) C. 15
5. Af 7104 B. The % rsp pointer 64 -> % roli C. It uses the offset of rsp D. process store struct r in roli 2 24 where r's members can be accessed 2 16 with roli + offset. 7 8 7 8

E	F. Structure Values de passed to functions using a pointer 2 80 like system with allocated
	y 64 When structs are refusived Hey require extra memory in the original function to
	2 14 be allocated Detere the returning &2 16 function is called. X 15p.
6.	A= 9 B= 5
7.	018241414124 1561
	&ACITUILED = A + size of (***A)*(T*(5*i+J)+K) R=7 3=5 T=13
	&ACIT(I)[K] = A + Sized (***(***)*(1*(5*1+)) + K) R = 7