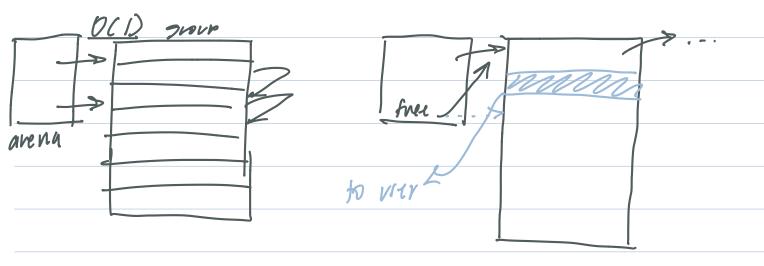
Review Sussion	
higher	addr Entre seg
	T pring y. rsp
ret addr cint) 7.rbp addr	- prshq y. rsp.y.
7 1	·
entry Y. rsp f's Y. rsp f's Y. rbp	< called -saved
	Called - saved (call at beginning and vare at end)
rspis a multiple of 16 (stalk frames	are always aligned)
Cally: decreases stalk pointerby	<u> </u>
culty: acurcuses state pointing	
Sets instr. pointer to calk	d address
Vetq: pops vetvra addr aff	tur stalk
jumps to addr	
Modification to local 6 can over	whih ring addi
$g(in+\chi)$	
long but[8] SUb	g \$0x40, y.rsp
~ Sat but to 0~	
	7 = can overwrite
PVF (X) 3 ···] = can overwrite
	addrus
* return addr + local variabus	must be muit. 16
I caf functions don't weed to be	16-aligned

datarep 13 and arena allocator



g > nodes [o]. key = 1024;
g > nodes [o]. next = null ptr
a > fnes = 8g > nodes [o]

 $n = a \Rightarrow frees;$ if $(n \Rightarrow key > 1)$? $n[1] \cdot key = n \Rightarrow key - 1$ $n[1] \cdot mxf = n \Rightarrow mxf$ $a \Rightarrow frees = gn[1]$

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a-> Freis = N=> mxt

Datarep-5

N operation: 0-21 and 1-20