

first_memtest stack

// constructor is called
buffer [BUF_SIZE]

\0	\0	\0	\0	\0	\0	\0	\0	\0	\0	\0	\0	\0	\0	\0	\0	\0
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	...9999

char* buf = simplest_mem_manager.alloc_chars(13);

H	e			0		W	o	r		d	!	\n	\0	\0	\0	\0
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	...9999

simplest_mem_manager.free_chars(&buf[6]);

H	e			0		\0	\0	\0	\0	\0	\0	\0	\0	\0	\0	\0
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	...9999

simplest_mem_manager.alloc_chars(11);

H	e			0		m	o	o	n	!		B	y	e	.	\0
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	...9999