

Codezeile:	mov eax, 0	call function //[Schritt 1]	call function //[Schritt 2]	push rbp
Stack				
Nr.				
0				
8				
16				
24				
32				
40				
48				
56				
64				
72				
80				
88				
96				
104				
112				
120				
128		<main> x x x x x x x x	<main>	136 <main>
136	144	144	144	144
144	~	~	~	~
Register				
rbp	136	136	136	136
rsp	136	128	128	120
rip	<main>	<main>	<function>	<function>
eax	0	0	0	0

Codezeile:	mov rbp, rsp										mov DWORD PTR [rbp-16], 0										mov DWORD PTR [rbp-8], 2										pop rbp									
Stack																																								
Nr.																																								
0																																								
8																																								
16																																								
24																																								
32																																								
40																																								
48																																								
56																																								
64																																								
72																																								
80																																								
88																																								
96																																								
104											0	x	x	x	x						0	x	x	x	x															
112																					2	x	x	x	x															
120	136										136									136																				
128	<main>										<main>									<main>																				
136	144										144									144																				
144	~										~									~																				
Register																																								
rbp	120										120										120										136									
rsp	120										120										120										128									
rip	<function>										<function>										<function>										<function>									
eax	0										0										0										0									

Codezeile:	ret								nop								pop rbp								ret							
Stack																																
Nr.																																
0																																
8																																
16																																
24																																
32																																
40																																
48																																
56																																
64																																
72																																
80																																
88																																
96																																
104																																
112																																
120																																
128																																
136	144								144																							
144	~								~								~															
Register																																
rbp	136								136								144								144							
rsp	136								136								144								152							
rip	<main>								<main>								<main>								~							
eax	0								0								0							0								