

Tutorial 1 Q2

Wednesday 12 September 2018 12:41

21
14
return address
saved ebp
14
21
return address
saved ebp
7
14
return address
saved ebp
0
7
return address
saved ebp

- Frame one where $PO = 14$ AND $P1 = 21$
- $GCD(14,21)$

- Frame two where $PO = 21$ AND $P1 = 14$ because $14 < 21$
- $GCD(21,14)$

- Frame three where $PO = 14$ AND $P1 = 7$
- $GCD(14,7)$

- Frame four where $PO = 7$ AND $P1 = 0$
- $GCD(7,0)$
- Final frame because $B = 0$

Maximum depth of stack is four stack frames.