

Q4:-

The following code solves the problem called
“towers of Hanoi”

Errors:

Line 1:- globl to global

Line 113 :-

line was `jg .less_branch`
changed to `jl .less_brach`

Line 131:-

added `mov %rsp,%rbp`

What each function does

f1:-

sets certain values in `rax`

F2:-

depending on the value in `%rdi`, it returns a
number
(number of rings on the pole)

F3:-

decreases the number of rings on the pole, and
sets a value for `rax`

F4:-

basically pushes a ring onto a pole, depending on value in rsi and in rdi and updates size

F5:-

calls F2 accordingly to move rings

F7:-

calls f5,f7,f8

.Init_s:-

initialises

Solve:-

it locates memory and calls F1

All the pt (s):-

print output

start:-

will call solve according to the value in rsp