41812022 comp Arch. HW 6.2 myfunc: Oddi \$SP, \$SP, -8 #adjust stack to make room for a items SW \$rm, 469SP) #some return address 5 N \$00,0(\$5P) #some orgument i. i = \$00 SIt \$to, \$00, \$zero #test; fix0 bne \$to, \$zero, LI #ifi!=0,90 to LI Oddi \$vo, \$zero, 1 #if i = 0, Return 1 to \$vo Addi \$5P, \$5P, 8 #POP 2 items off stack ir \$ ron #return to conler L1: nddi \$00,400,-1 #ifi70, (i-1) Jal myfunc # call myfunc with (i-1) W \$00,06\$SP) 12 \$ cm, 4 (\$ 5P) nddi \$5P, \$5P, 8 # POP 2 times Addi \$10, \$00, 1 # 1+ my funcci-1) ir sro

2) The code doesn't work because it is an infinite loop. It adds 1 and subtracts 1 to myfunc so it is infinite

41812022 comp Arch. HW #6.2

nddi \$50, \$zero, \$zero #xm=0 Nddi \$51, \$zero, \$4 #nm=4 Nddi \$51, \$zero, \$4 #nm=4 Nddi \$52, \$zero, \$1 #ym=1 Nddi \$53, \$zero, \$7 #i=7 Caller Calle)			
nddi \$51, \$zero, 4 #nm=4 \$11 \$t3, \$to, \$t2 #s=x.n nddi \$62, \$zero, 1 #ym=1 ndd \$t3, \$zero, \$t1 #s=0+y nddi \$53, \$zero, 7 #i=7 jr \$rn Caller SIti \$54, \$53, 7 #testifi2=7 Beg \$64, \$zero, 11 #90+0 L1 Else quit andd \$t1, \$52, \$zero y=ym Add \$t2, \$51, \$zero y=ym Addi \$53, \$52, 2 \(\)		oddi \$50, \$zero,\$z	ero #xm=0	\(\ \ = \\$ to, \ \ = \\$ t1, \ \ n = \\$ t2, \ \ s = \\$ t3
Oddi \$52, \$zero, 1 #ym=1 Odd \$t3, \$zero, \$t1 #s=0+y Oddi \$53, \$zero, 7 #i=7 jr \$rm Caller S ti \$54, \$53, 7 #testifi <=7 Beq \$84, \$zero, 11 #90+0 L E se quit Odd \$to, \$50, \$zero X=Xm Odd \$td, \$53, \$zero Y=ym L Odd \$td, \$53, \$zero n=0m Oddi \$53, \$53, 2 \ 3 \ ym+2 Oddi \$53, \$53, 1 \ 3 i+1		ndi \$51,\$zero,4	# nm =4	SII \$t3, \$t0, \$t2 # s= x· n
Coller SIti \$54, \$53,7 # test if i <= 7 Beq \$84, \$zero, LI #90+0 LI Else quit Odd \$to, \$50, \$zero \ Y=XM Odd \$tl, \$52, \$zero \ Y=YM LI Odd \$t2, \$51, \$zero \ n=nM Oddi \$53, \$52, 2 \ 3 \ YM+2 Oddi \$53, \$53, 1 \ 3 i+1		oddi \$52,\$zero,1	#YM=1	ndd \$t3,\$zero,\$t1 #5=0+y
Coller SIti \$54, \$53,7 # test if i <= 7 Beq \$84, \$zero, LI #90+0 LI Else quit Odd \$to, \$50, \$zero \ Y=XM Odd \$tl, \$52, \$zero \ Y=YM LI Odd \$t2, \$51, \$zero \ n=nM Oddi \$53, \$52, 2 \ 3 \ YM+2 Oddi \$53, \$53, 1 \ 3 i+1		oddi \$53,\$zero,7	#6=7	
SIti \$54, \$53,7 # test if i 2=7 Beq \$64, \$zero, 1, #00+0 LI Else quit Old \$to, \$50, \$zero \ X=XM Old \$t1, \$52, \$zero \ Y=YM LI Old \$t2, \$51, \$zero \ n=nM Oldi \$52, \$52, 2 \ 3 YM+2 Oldi \$53, \$53, 1 \ 3 i+1		1	collee -	7
Beq \$84, \$zero, L1 #00+0 L1 Else quit Odd \$to, \$so, \$zero \ X=XM Odd \$tl, \$52, \$zero \ Y=YM L1 Odd \$t2, \$51, \$zero \ n=nM Oddi \$53, \$52, 2 \ 3 YM+2 Oddi \$53, \$53, 1 \ 3 i+1		coller		Slti \$54, \$53, 7 # test if i <= 7
0dd \$to, \$50, \$zero \ X=XM 0dd \$t1, \$52, \$zero \ Y=YM L1 0dd \$t2, \$51, \$zero / n=nm 0ddi \$52, \$52, 2 ≥ YM+2 0ddi \$53, \$53, 1 ≥ i+1		1000		
0dd \$t1,\$52,\$zero \(\gamma = \gamma = \gamma \) L1		A ALLONA		Else quit
1				ndd \$to, \$so, \$zero > X=XM
10 Adi \$52, \$52, 2 3 411 +2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				add \$t1, \$52, \$zero 4 1= ym
10 Adi \$52, \$52, 2 3 411 +2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			LI	ndd \$t2,\$51,\$zero / n=0111
Landi \$83,\$83,1 3,41 jal myadd	10	(14:04/2)/20/20	- 1	Addi \$52, \$52, 2 3 4111+2
Sol Myod		and the second		addi \$53,\$63,1 3 c+1
				JUI WYUGA
		The second second		
0				
	-	0		
			The same of the same	