FILE NAME	FILE.exe (9)
0x00000000	
TEXT ADDRESS	0x00000019
0x00000009	
DATA ADDRESS	0x0000010D
0x0000000D	
SYMBOL TABLE ADDRESS	0x00000119
0x00000011	
DEBUG INFORMATION ADDRESS	0x00000181
0x00000015	

TEXT	
0x00000019	main: addi $t0, $zero, 30
0x0000001D	addi $t1, $zero, 75
0x00000021	addi $sp, $sp, -4
0x00000025	addi $t2, $zero, 7
0x00000029	sw $t2, 0x4($sp)
0x0000002D	lw $t3, -0x8000($gp)
0x00000031	lw $t4, -0x7FFC($gp)
0x00000035	add $t5, $t3, $t0
0x00000039	add $t5, $t5, $t1
0x0000003D	add $t5, $t5, $t4
0x00000041	addi $sp, $sp, -40
0x00000045	sw $t5, 0x10($sp)
0x00000049	sw $t3, 0x20($sp)
0x0000004D	sw $t1, 0x8($sp)
0x00000051	add $a0, $t0, $zero
0x00000055	add $a1, $t1, $zero
0x00000059	jal delta
0x0000005D	add $t3, $v0, $zero
0x00000061	addi $t3, $t3 , 15
0x00000065	blez $t3, else
0x00000069	lw $t6, 0x?($gp)
0x0000006D	addi $t3, $t6, 1
0x00000071	j for
0x00000075	else: add $a0, $t0, 0$zero
0x00000079	jal factorial
0x0000007D	add $t1, $v0, $zero
0x00000081	for: add $t7, $zero, $zero
0x00000085	addi $t8, $zero, 4
0x00000089	loop: bge $t7, $t8, nxtfor
0x0000008D	addi $t3, $t3, 1
0x00000091	add $t5, $t0, $t1
0x00000095	addi $t7, $t7, 1 #f = f +1
0x00000099	j loop
0x0000009D	nxtfor: add $a0, $t3, $zero
0x000000A1	jal mult

Address	Instruction
0x000000A5	add $t5, $v0, $zero
0x000000A9	addi $v0, $v0, 10
0x000000AD	syscall
0x000000B1	factorial:add $s0, $a0, $zero
0x000000B5	addi $t9, $zero, 1
0x000000B9	bge $s0, $t9, felse
0x000000BD	add $v0, $v0, 1
0x000000C1	jr $ra
0x000000C5	felse: addi $sp, $sp, -8
0x000000C9	sw $ra, 0($sp)
0x000000CD	sw $s0, 4($sp)
0x000000D1	addi $s1, $s0, -1
0x000000D5	add $a0, $s1, $zero
0x000000D9	jal factorial
0x000000DD	mul $v0, $v0, $s0
0x000000E1	lw $ra, 0($sp)
0x000000E5	lw $s0, 4($sp)
0x000000E9	addi $sp, $sp, 8
0x000000ED	jr $ra
0x000000F1	delta: bge $a0, $a1, delse
0x000000F5	sub $v0, $a1, $a0
0x000000F9	jr $ra
0x000000FD	delse: sub $v0, $a0, $a1
0x00000101	jr $ra
0x00000105	mult: mul $v0, $a0, $a0
0x00000109	jr $ra

DATA	
0x0000010D	a: .word 5
0x00000111	one: .word 1
0x00000115	glob: .word 5

SYMBOL TABLE	Symbol	Address
0x00000119	main	0x00000019
0x00000121	else	0x00000075
0x00000129	for	0x00000081
0x00000131	loop	0x00000089
0x00000139	nxtfor	0x0000009D
0x00000141	factorial	0x000000B1
0x00000149	felse	0x000000C5
0x00000151	delta	0x000000F1
0x00000159	delse	0x000000FD
0x00000161	mult	0x00000105
0x00000169	a	0x0000010D
0x00000171	one	0x00000111
0x00000179	glob	0x00000115

DEBUG INFO	
0x00000181	N/A