

```

1 fak:
2  addiu: $t0, $0, 1
3  addiu: $v0, $0, 1
4 loop:
5  beg: $t0, $a0, end
6  addiu: $t0, $0, 1
7  mul $v0, $t0, $v0
8  j loop
9 end:
10 jr $ra
11 _start:
12 addiu: $a0, $0, 2
13 ja1 fak

```

Takt	BH	OH	BA	MEM	ES	\$a0	\$t0	\$v0
1	addiu12							
2	ja1	addiu12						
3	addiu2	ja1	addiu12					
4	addiu1	addiu2	ja1	addiu12				
5	beq	addiu1	addiu2	ja1	addiu12			
6	beq		addiu1	addiu2	ja1	2		
7	beq			addiu1	addiu2	2	1	
8		beq			addiu1	2	1	1
9	addiu6		beq			2	1	1
10	mul7	addiu6		beq		2	1	1
11	j	mul7	addiu6		beq	2	1	1
12	beq	j	mul7	addiu6		2	1	1
13	beq		j	mul7	addiu6	2	1	1
14		beq		j	mul7	2	2	1
15	jr \$ra		beq		j	2	2	2
16		jr \$ra		beq		2	2	2
17			jr \$ra		beq	2	2	2
18				jr \$ra		2	2	2
19					jr \$ra	2	2	2