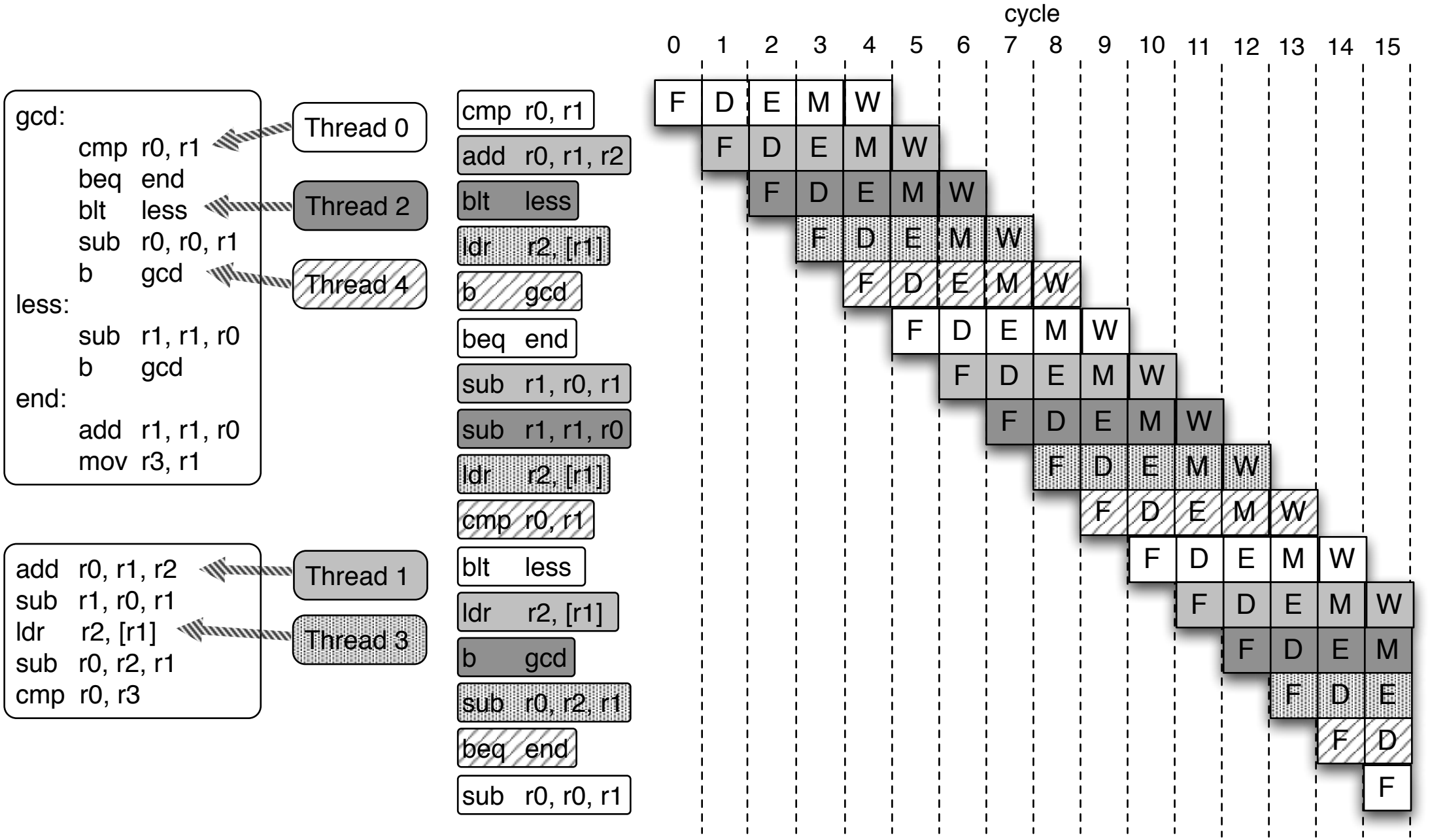
gcd:
cmp r0, r1
beq end
blt less
sub r0, r0, r1
b gcd
less:
sub r1, r1, r0
b gcd
end:
add r1, r1, r0
mov r3, r1
add r0, r1, r2
sub r1, r0, r1
ldr r2, [r1]
sub r0, r2, r1
cmp r0, r3
Thread 0
Thread 2
Thread 4
Thread 1
Thread 3
cmp r0, r1
add r0, r1, r2
blt less
ldr r2, [r1]
b gcd
sub r1, r1, r0
ldr r2, [r1]
cmp r0, r1
blt less
ldr r2, [r1]
b gcd
sub r0, r2, r1
beq end
sub r0, r0, r1
cycle
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
F D E M W