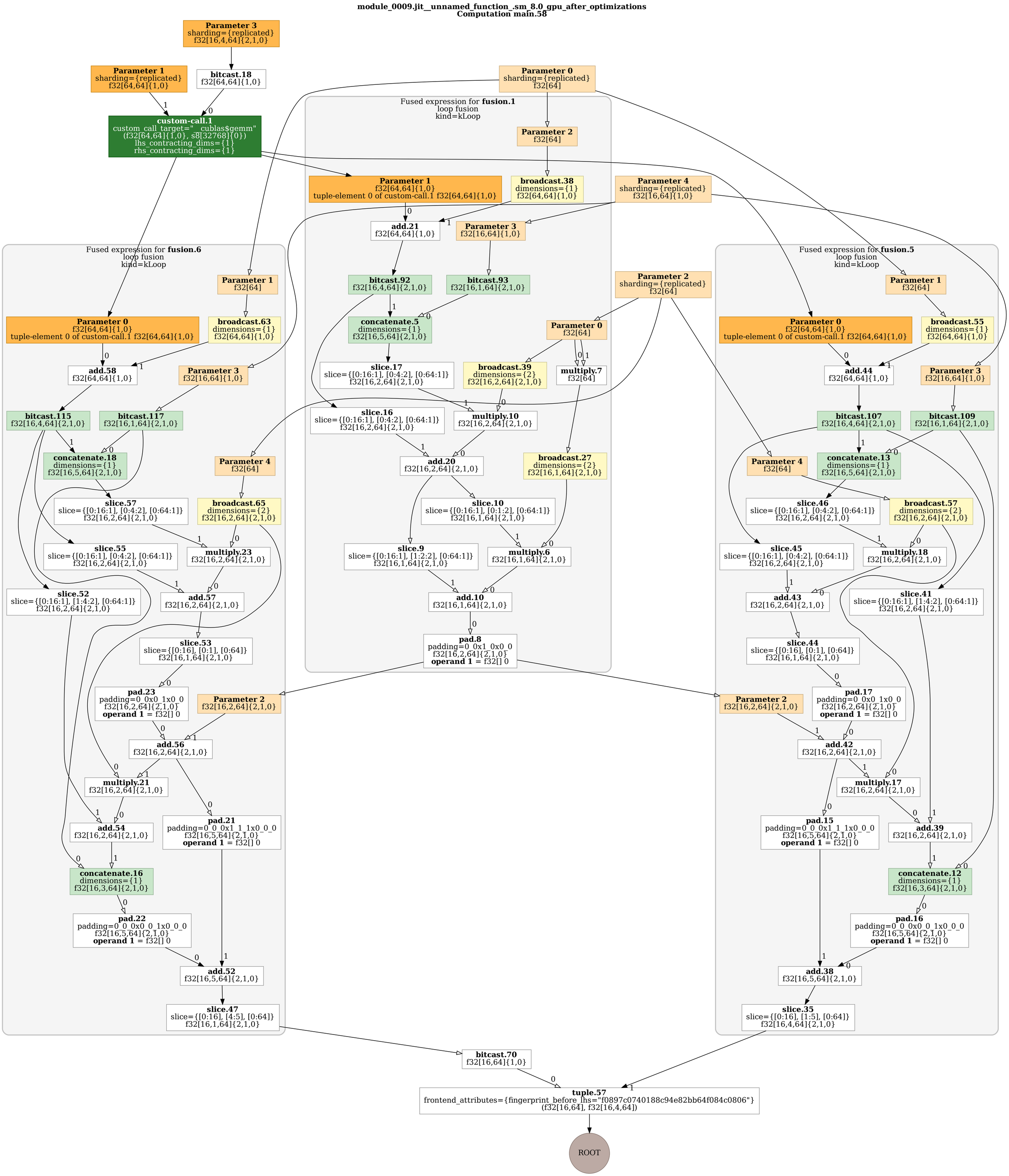
module_0009.jit__unnamed_function_.sm_8.0_gpu_after_optimizations
Computation main.58
Parameter 3
sharding={replicated}
f32[16,4,64]{2,1,0}
Parameter 1
sharding={replicated}
f32[64,64]{1,0}
bitcast.18
f32[64,64]{1,0}
Parameter 0
sharding={replicated}
f32[64]
custom-call.1
custom_call_target="__cublas$gemm"
(f32[64,64]{1,0}, s8[32768]{0})
lhs_contracting_dims={1}
rhs_contracting_dims={1}
Fused expression for fusion.1
loop fusion
kind=kLoop
Parameter 2
f32[64]
Parameter 1
f32[64,64]{1,0}
tuple-element 0 of custom-call.1 f32[64,64]{1,0}
broadcast.38
dimensions={1}
f32[64,64]{1,0}
Parameter 4
sharding={replicated}
f32[16,64]{1,0}
add.21
f32[64,64]{1,0}
Parameter 3
f32[16,64]{1,0}
bitcast.92
f32[16,4,64]{2,1,0}
bitcast.93
f32[16,1,64]{2,1,0}
concatenate.5
dimensions={1}
f32[16,5,64]{2,1,0}
Parameter 0
f32[64]
slice.17
slice={[0:16:1], [0:4:2], [0:64:1]}
f32[16,2,64]{2,1,0}
broadcast.39
dimensions={2}
f32[16,2,64]{2,1,0}
multiply.7
f32[64]
slice.16
slice={[0:16:1], [0:4:2], [0:64:1]}
f32[16,2,64]{2,1,0}
multiply.10
f32[16,2,64]{2,1,0}
add.20
f32[16,2,64]{2,1,0}
broadcast.27
dimensions={2}
f32[16,1,64]{2,1,0}
slice.10
slice={[0:16:1], [0:1:2], [0:64:1]}
f32[16,1,64]{2,1,0}
slice.9
slice={[0:16:1], [1:2:2], [0:64:1]}
f32[16,1,64]{2,1,0}
multiply.6
f32[16,1,64]{2,1,0}
add.10
f32[16,1,64]{2,1,0}
pad.8
padding=0_0x1_0x0_0
f32[16,2,64]{2,1,0}
operand 1 = f32[] 0
Fused expression for fusion.6
loop fusion
kind=kLoop
Parameter 1
f32[64]
Parameter 0
f32[64,64]{1,0}
tuple-element 0 of custom-call.1 f32[64,64]{1,0}
broadcast.63
dimensions={1}
f32[64,64]{1,0}
add.58
f32[64,64]{1,0}
Parameter 3
f32[16,64]{1,0}
bitcast.115
f32[16,4,64]{2,1,0}
bitcast.117
f32[16,1,64]{2,1,0}
concatenate.18
dimensions={1}
f32[16,5,64]{2,1,0}
Parameter 4
f32[64]
slice.57
slice={[0:16:1], [0:4:2], [0:64:1]}
f32[16,2,64]{2,1,0}
broadcast.65
dimensions={2}
f32[16,2,64]{2,1,0}
slice.55
slice={[0:16:1], [0:4:2], [0:64:1]}
f32[16,2,64]{2,1,0}
multiply.23
f32[16,2,64]{2,1,0}
slice.52
slice={[0:16:1], [1:4:2], [0:64:1]}
f32[16,2,64]{2,1,0}
add.57
f32[16,2,64]{2,1,0}
slice.53
slice={[0:16], [0:1], [0:64]}
f32[16,1,64]{2,1,0}
pad.23
padding=0_0x0_1x0_0
f32[16,2,64]{2,1,0}
operand 1 = f32[] 0
Parameter 2
f32[16,2,64]{2,1,0}
add.56
f32[16,2,64]{2,1,0}
multiply.21
f32[16,2,64]{2,1,0}
add.54
f32[16,2,64]{2,1,0}
pad.21
padding=0_0_0x1_1_1x0_0_0
f32[16,5,64]{2,1,0}
operand 1 = f32[] 0
concatenate.16
dimensions={1}
f32[16,3,64]{2,1,0}
pad.22
padding=0_0_0x0_0_1x0_0_0
f32[16,5,64]{2,1,0}
operand 1 = f32[] 0
add.52
f32[16,5,64]{2,1,0}
slice.47
slice={[0:16], [4:5], [0:64]}
f32[16,1,64]{2,1,0}
Fused expression for fusion.5
loop fusion
kind=kLoop
Parameter 1
f32[64]
Parameter 0
f32[64,64]{1,0}
tuple-element 0 of custom-call.1 f32[64,64]{1,0}
broadcast.55
dimensions={1}
f32[64,64]{1,0}
add.44
f32[64,64]{1,0}
Parameter 3
f32[16,64]{1,0}
bitcast.107
f32[16,4,64]{2,1,0}
bitcast.109
f32[16,1,64]{2,1,0}
Parameter 4
f32[64]
concatenate.13
dimensions={1}
f32[16,5,64]{2,1,0}
slice.46
slice={[0:16:1], [0:4:2], [0:64:1]}
f32[16,2,64]{2,1,0}
broadcast.57
dimensions={2}
f32[16,2,64]{2,1,0}
slice.45
slice={[0:16:1], [0:4:2], [0:64:1]}
f32[16,2,64]{2,1,0}
multiply.18
f32[16,2,64]{2,1,0}
add.43
f32[16,2,64]{2,1,0}
slice.41
slice={[0:16:1], [1:4:2], [0:64:1]}
f32[16,2,64]{2,1,0}
slice.44
slice={[0:16], [0:1], [0:64]}
f32[16,1,64]{2,1,0}
Parameter 2
f32[16,2,64]{2,1,0}
pad.17
padding=0_0x0_1x0_0
f32[16,2,64]{2,1,0}
operand 1 = f32[] 0
add.42
f32[16,2,64]{2,1,0}
multiply.17
f32[16,2,64]{2,1,0}
pad.15
padding=0_0_0x1_1_1x0_0_0
f32[16,5,64]{2,1,0}
operand 1 = f32[] 0
add.39
f32[16,2,64]{2,1,0}
concatenate.12
dimensions={1}
f32[16,3,64]{2,1,0}
pad.16
padding=0_0_0x0_0_1x0_0_0
f32[16,5,64]{2,1,0}
operand 1 = f32[] 0
add.38
f32[16,5,64]{2,1,0}
slice.35
slice={[0:16], [1:5], [0:64]}
f32[16,4,64]{2,1,0}
bitcast.70
f32[16,64]{1,0}
tuple.57
frontend_attributes={fingerprint_before_lhs="f0897c0740188c94e82bb64f084c0806"}
(f32[16,64], f32[16,4,64])
ROOT