```
w, x = t.placeholder((8, 8)), t.placeholder((8, 8))
k = t.reduce_axis((0, 8))
y = t.compute((8, 8), lambda i, j:
              t.sum(w[i, k] * x[j, k], axis=k))

def gemm_intrin_lower(inputs, outputs):
   ww_ptr = inputs[0].access_ptr(“r")
   xx_ptr = inputs[1].access_ptr("r")
   zz_ptr = outputs[0].access_ptr("w")
   compute = t.hardware_intrin("gemm8x8", ww_ptr, xx_ptr, zz_ptr)
   reset = t.hardware_intrin("fill_zero", zz_ptr)
   update = t.hardware_intrin("fuse_gemm8x8_add", ww_ptr, xx_ptr, zz_ptr)
   return compute, reset, update

gemm8x8 = t.decl_tensor_intrin(y.op, gemm_intrin_lower)
```

declare behavior

lowering rule to generate hardware intrinsics to carry out the computation