```
a = torch.tensor([2.0],
 requires_grad=True)
                                                                                                    b
                                                                          a
                                                                                                                                                                                                               С
                                                                 data = tensor(2.0)
                                                                                           data = tensor(4.0)
                                                                                                                                                                                                     data = tensor(1.0)
                                                                                                                                                                                                                                data = tensor(5.0)
b = torch.tensor([4.0],
                                                                                           grad = 2
                                                                                                                                                                                                     grad = 5
                                                                                                                                                                                                                                grad = None
 requires_grad=True)
                                                                 grad = 4
                                                                                                                                                             AccumulateGrad
                                                                                                                                                                                                                                                                        AccumulateGrad
                                                                                                                                   AccumulateGrad
                                                                                           grad_fn = None
                                                                grad fn = None
                                                                                                                                                                                                     grad fn = None
                                                                                                                                                                                                                                grad fn = None
c = torch.tensor([1.0],
                                                                 is_leaf = True
                                                                                           is leaf = True
                                                                                                                                                                                                                                is leaf = True
                                                                                                                                                                                                      is leaf = True
 requires_grad=True)
                                                                 requires_grad = True
                                                                                           requires_grad = True
                                                                                                                                                                                                                                requires_grad = False
                                                                                                                                                                                                     requires_grad = True
d = torch.tensor([5.0],
                                                                                                                                     MulBackward
                                                                                                                                                                                                                                                                         MulBackward
requires_grad=False)
                                                                                                                                ctx.saved tensors
                                                                                                                                                                                                                                                                    ctx.saved tensors
                                                                                                                                                                                                                           Mul
                                                                                       Mul
                                                                                                                                                                                                                                                     ctx
                                                                                                                 ctx
                                                                                                                                next_functions = [
                                                                                                                                                                                                                                                                     next functions = [
                                                                             ctx.save_for_backward(...)
                                                                                                                                                                                                                 ctx.save_for_backward(...
                                                                                                                                 (AccumulateGrad, 0),
                                                                                                                                                                                                                                                                     (AccumulateGrad, 0),
                                                                                                                                 (AccumulateGrad, 0)
                                                                                                                                                                                                                                                                     (None, 0)
                                            n = a * b
                                                                                                                                                                                  m = c * d
                                                                                                                                                                                                              m
                                                                data = tensor(8.0)
                                                                                                                                                                                                     data = tensor(5.0)
                                                                grad = None
                                                                                                                                                                                                     grad = None
                                                                grad fn = MulBackward
                                                                                                                                                                                                     grad fn = MulBackward
                                                                is leaf = False
                                                                                                                                                                                                      is leaf = False
                                                                 requires_grad = True
                                                                                                                                                                                                      requires_grad = True
                                                                                                             Add
                                                                                                           loss
                                                                                                    data = tensor(13.0)
                                                                                                                                               AddBackward
                                                                      loss = n + m
                                                                                                    grad = None
                                                                                                                                          next functions = [
                                                                                                                                            (MulBackward, 0),
                                                                                                                                                                 _1.0___
                                                                                                    grad_fn = AddBackward
                                                                                                                                            (MulBackward, 0)
                                                                     loss.backward()
                                                                                                    is leaf = False
                                                                                                     requires grad = True
```