# Sequence Diagram

- Draw Sequence diagram for method dispatch being invoked on an Order object (dispatch is a method in class Order). Aside from object Order, there are two Distributor objects (careful and regular), and one messenger object.

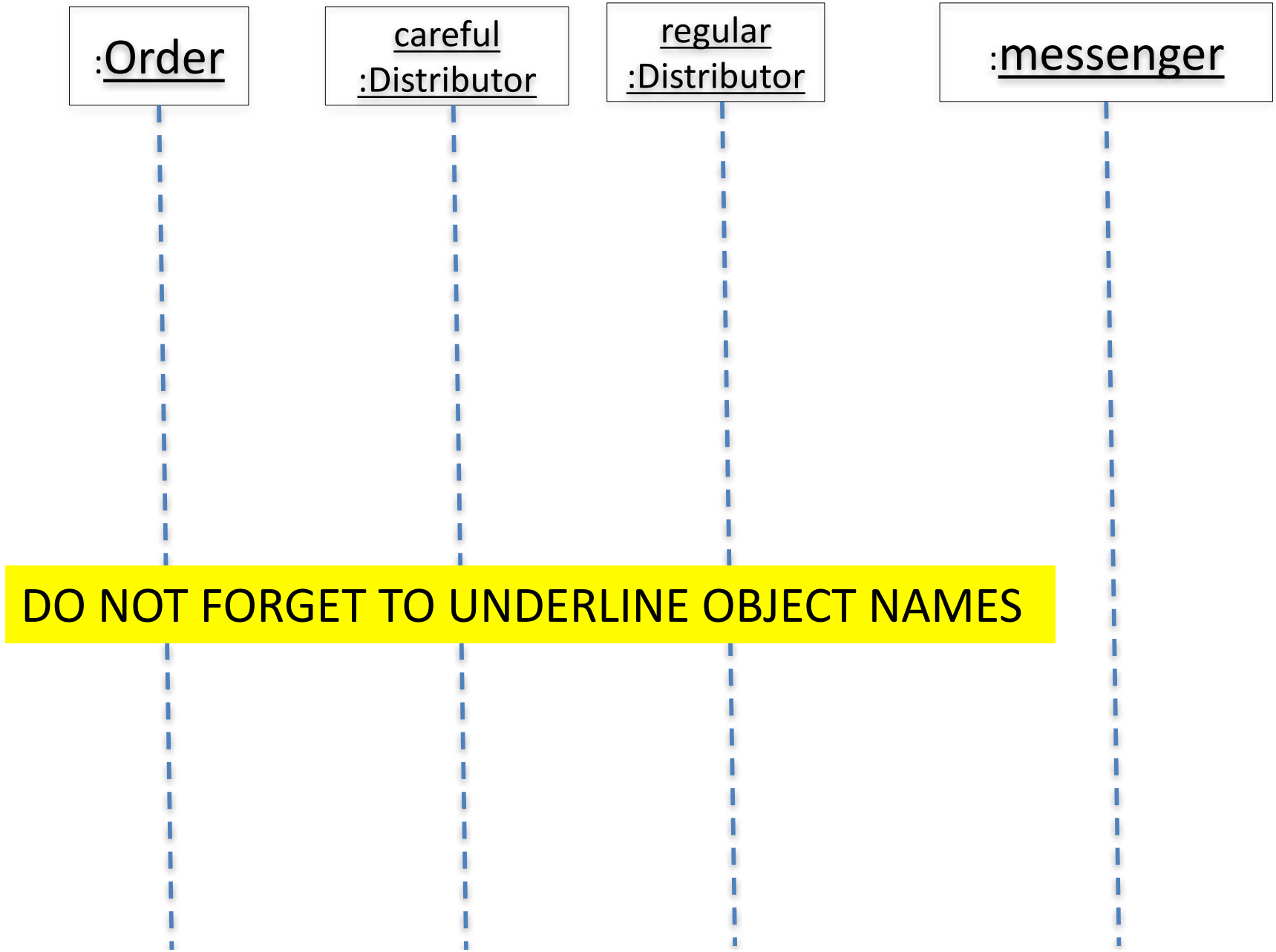
```
procedure dispatch
  foreach (lineitem)
     if (product.value > $10K)
        careful.dispatch()
     else
        regular.dispatch()
     end if
  end for
  if (needsConfirmation) messenger.confirm()
end procedure
```

# 1. Determine objs & blocks

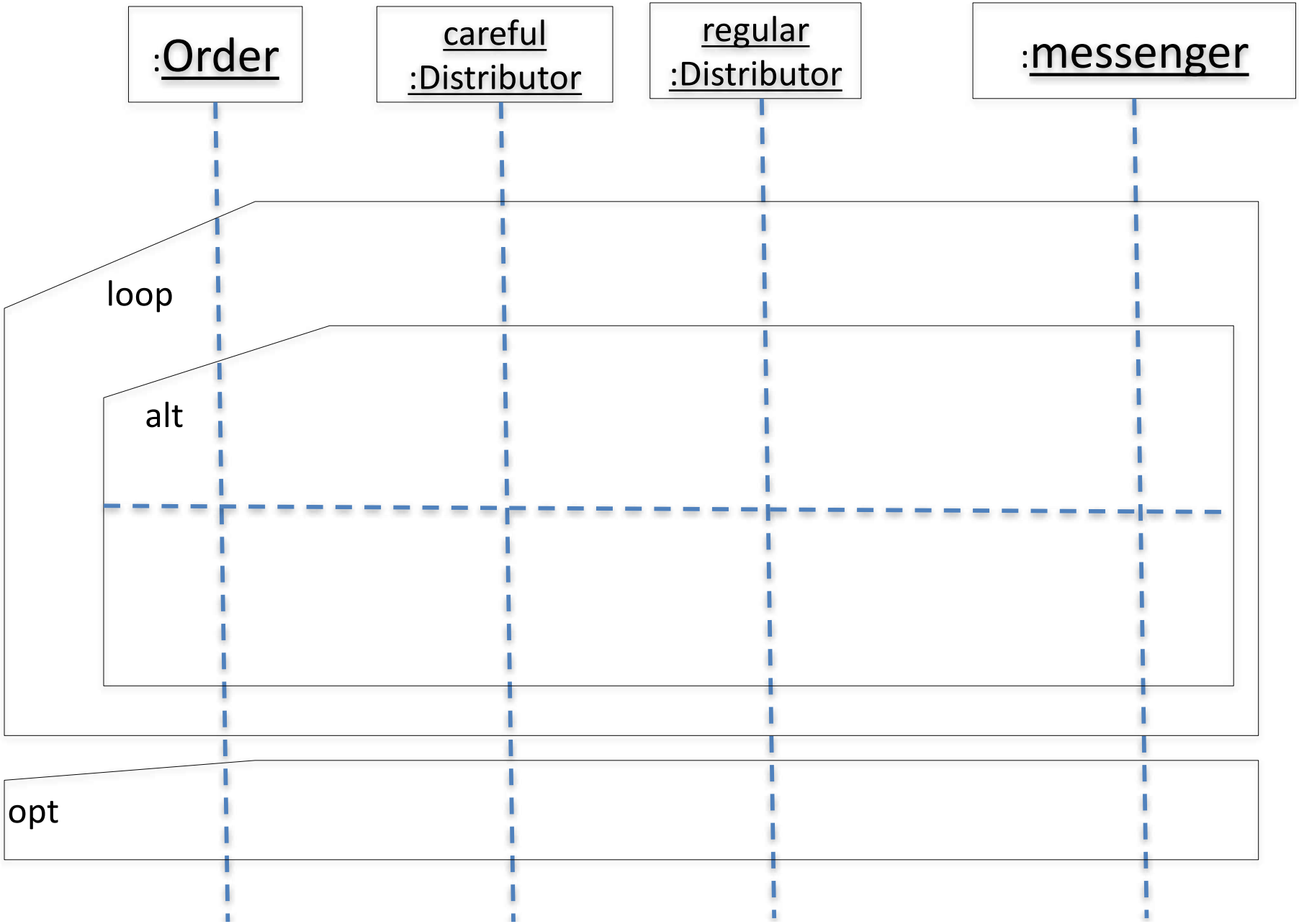
- There are **FOUR objects**: Order object, two Distributor objects (careful and regular), and one messenger object.
- There are **THREE blocks**: foreach block, if-else block, if block.

```
procedure dispatch
  foreach (lineitem)
    if (product.value > $10K)
      careful.dispatch()
    else
      regular.dispatch()
    end if
  end for
  if (needsConfirmation) messenger.confirm()
end procedure
```

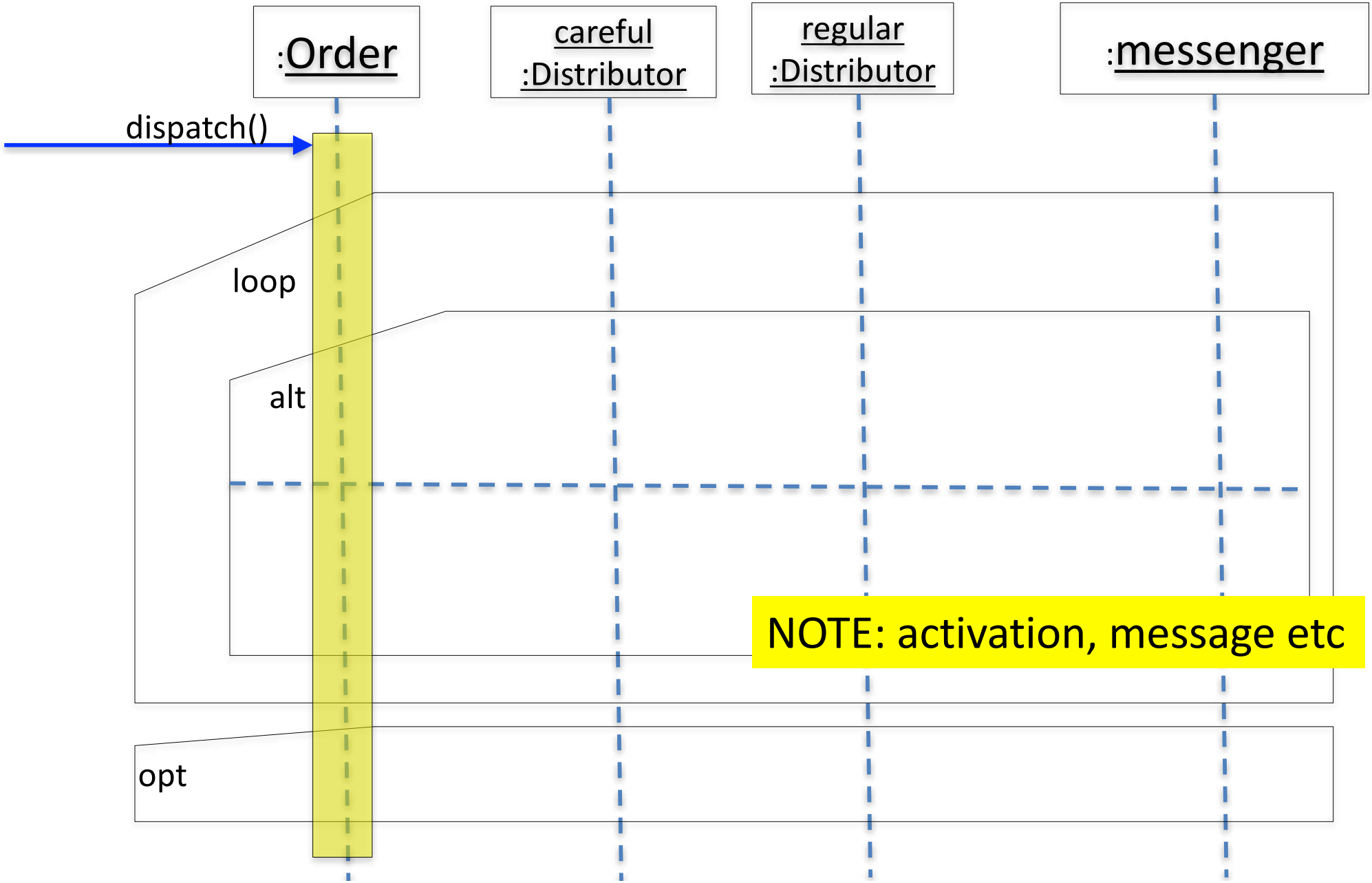
# 2. draw objs and lifelines



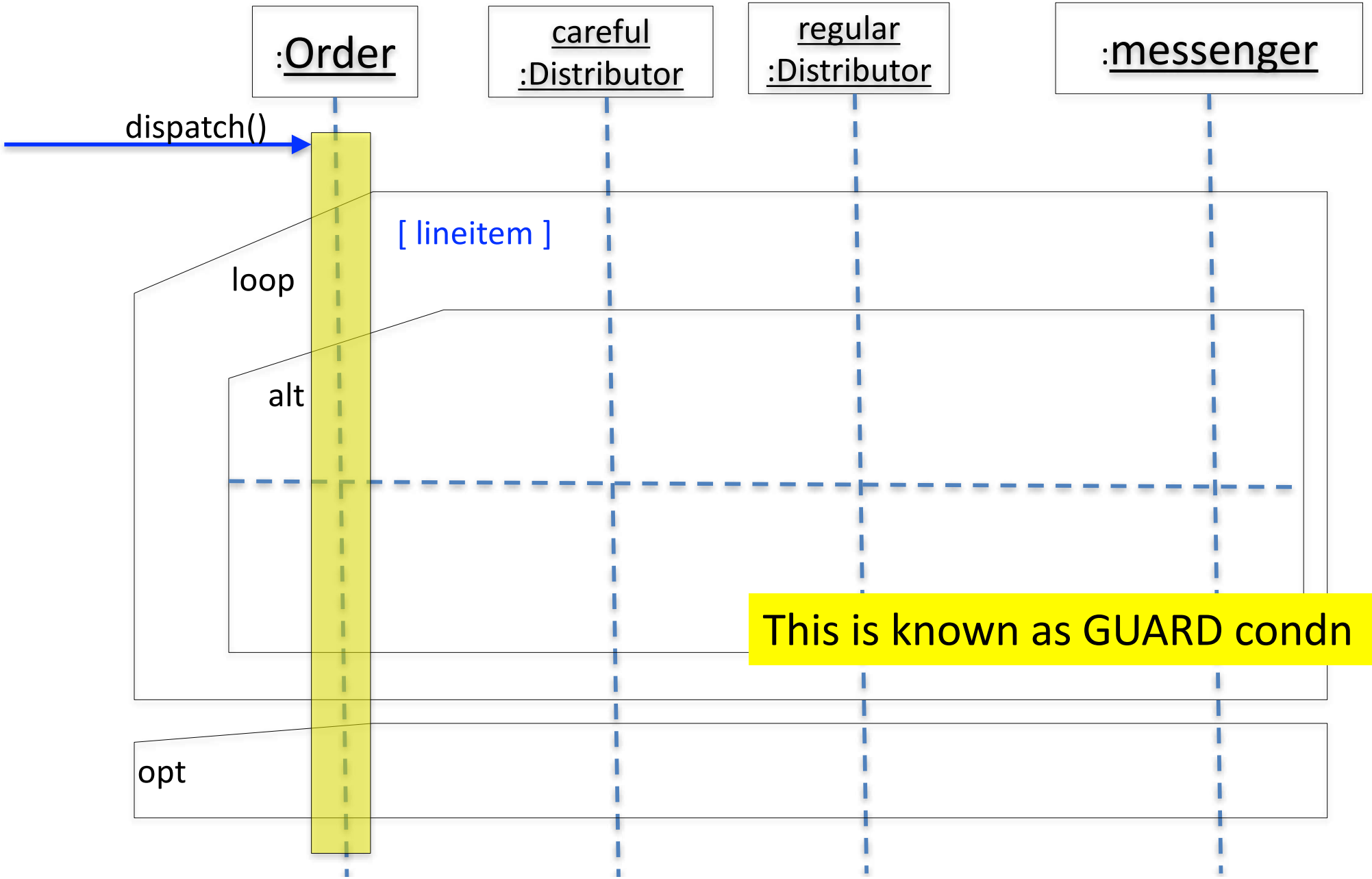
# 3. draw frames loop, alt, opt



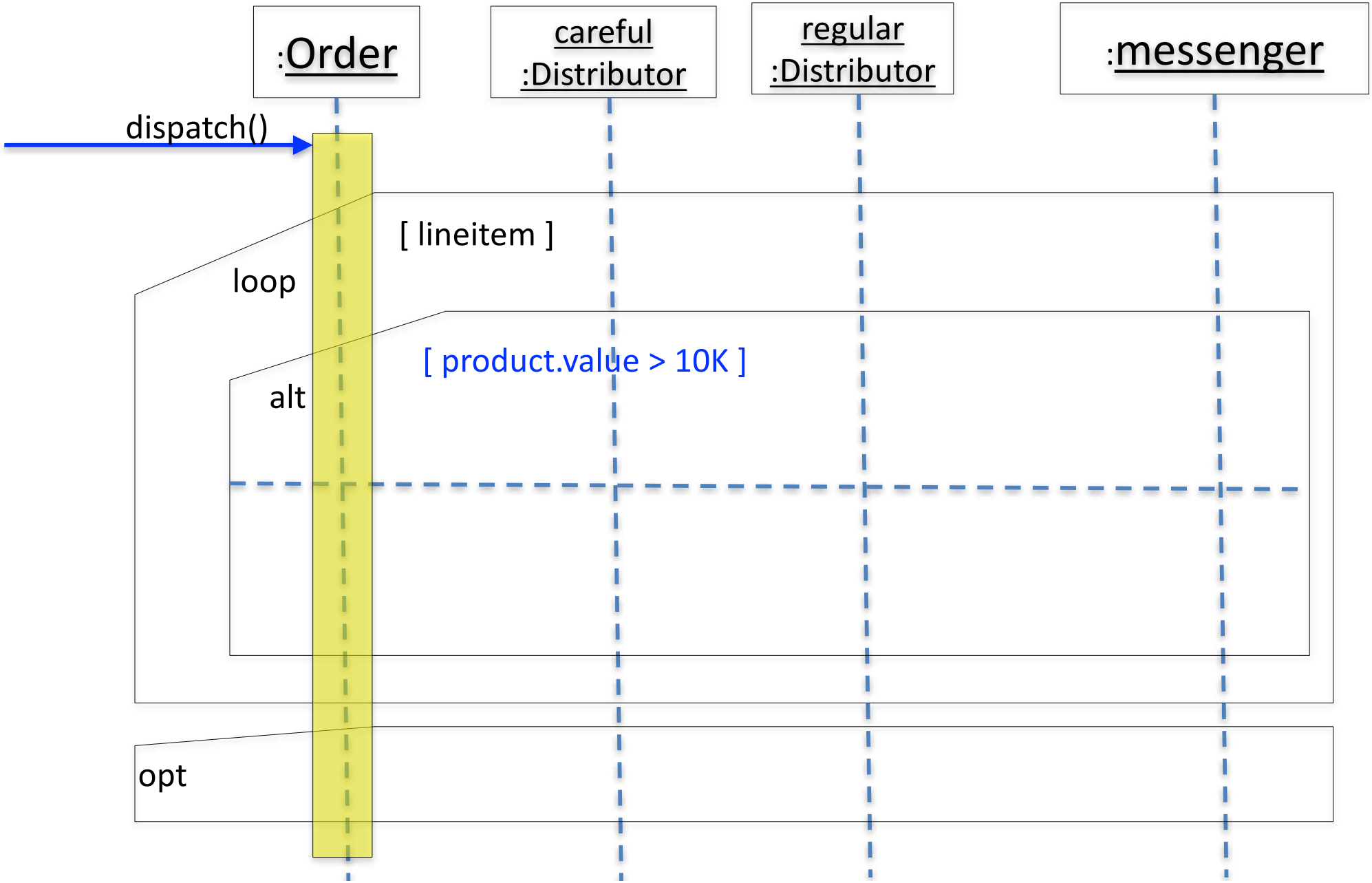
# 4. Invoke dispatch method



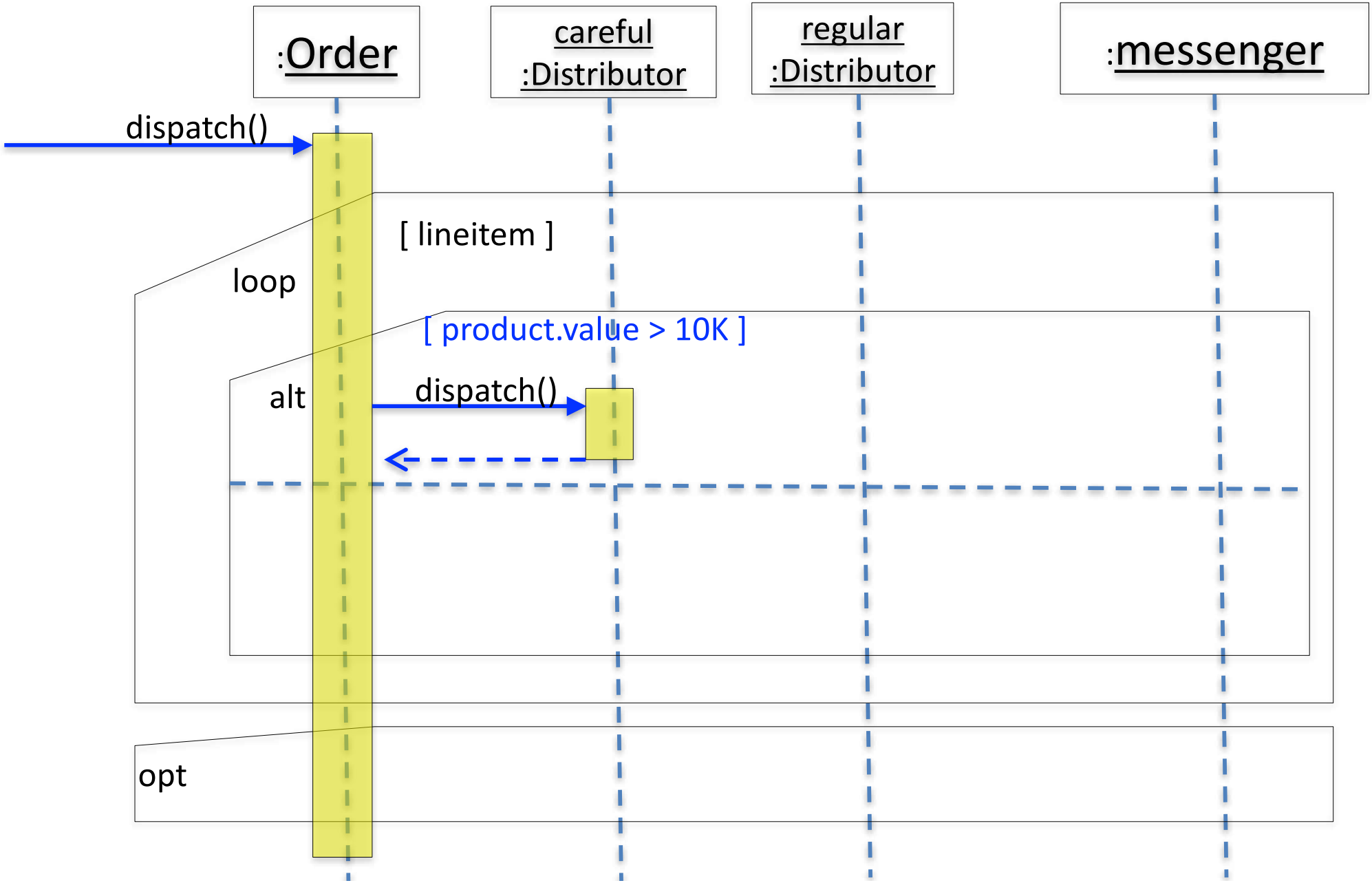
# 5. loop condition



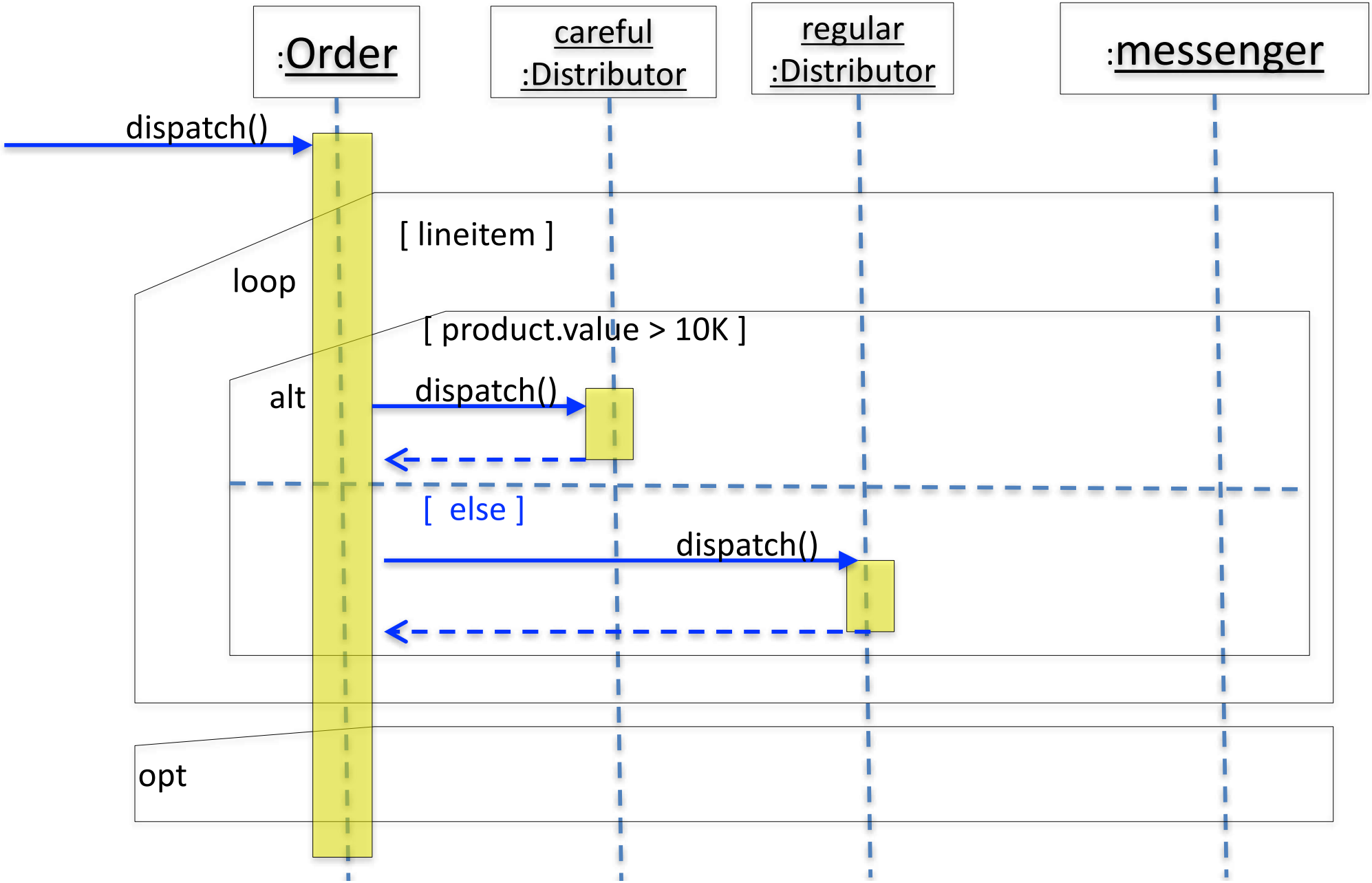
# 6. if condition



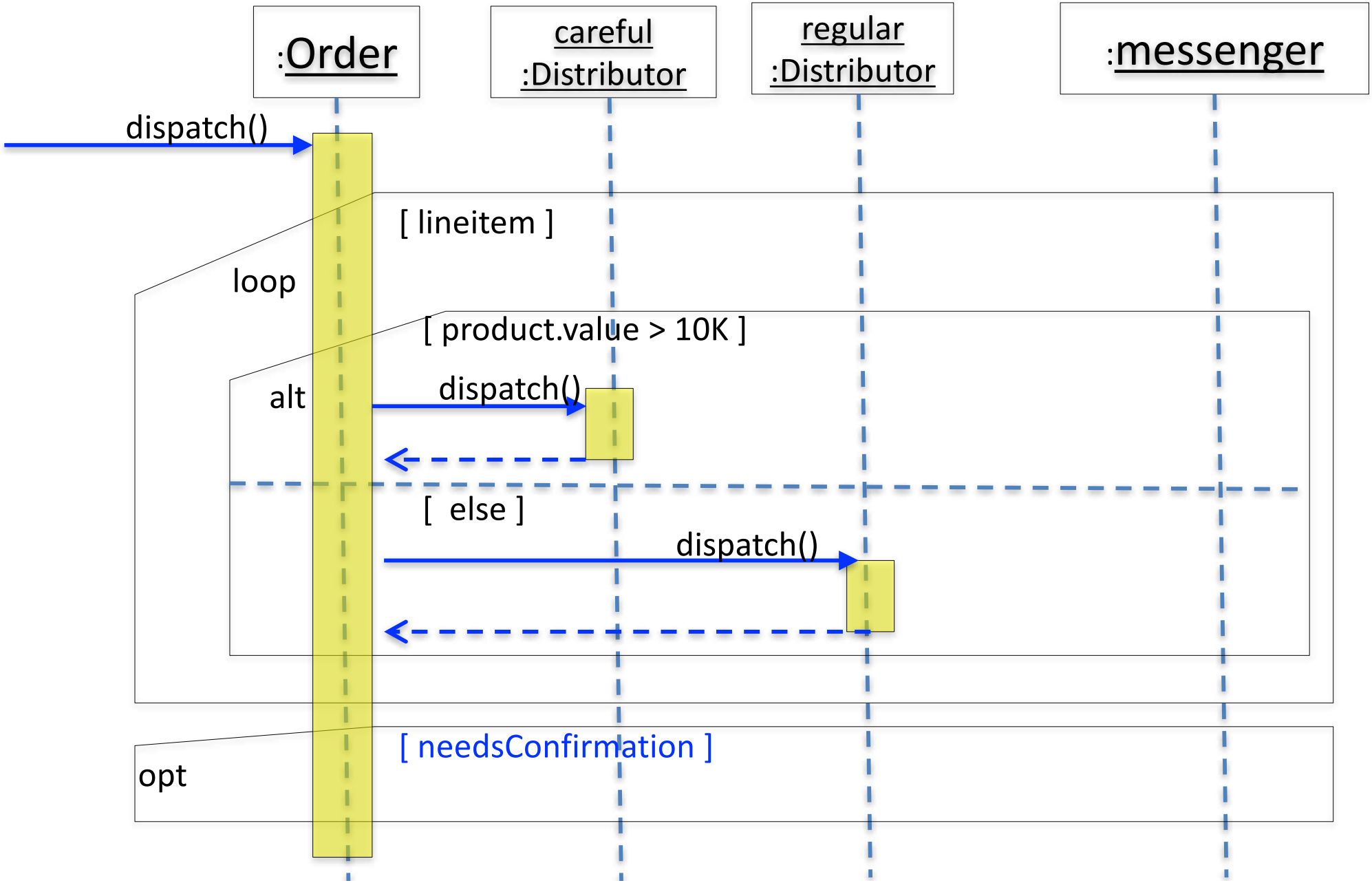
# 7. careful.dispatch()



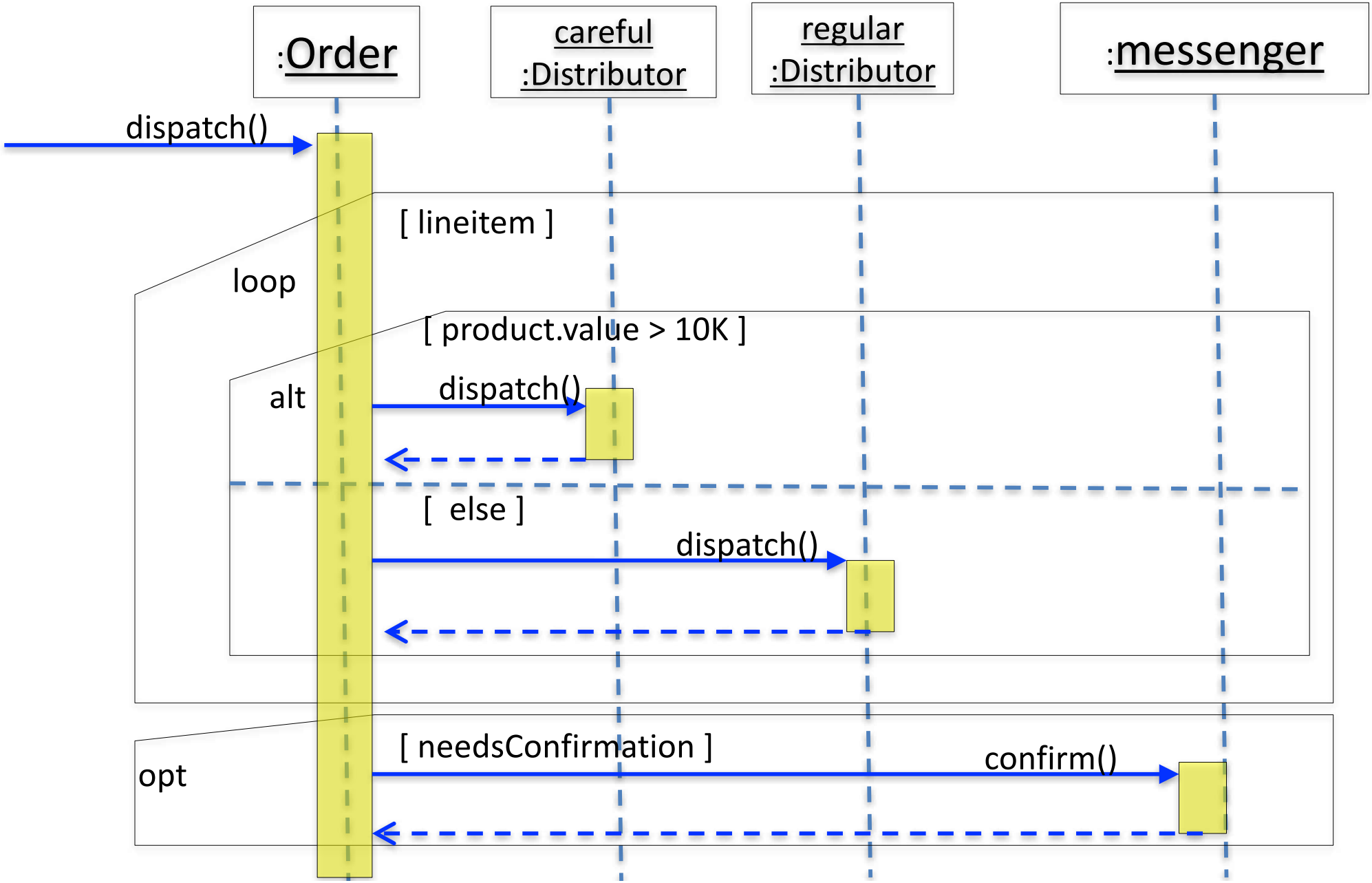
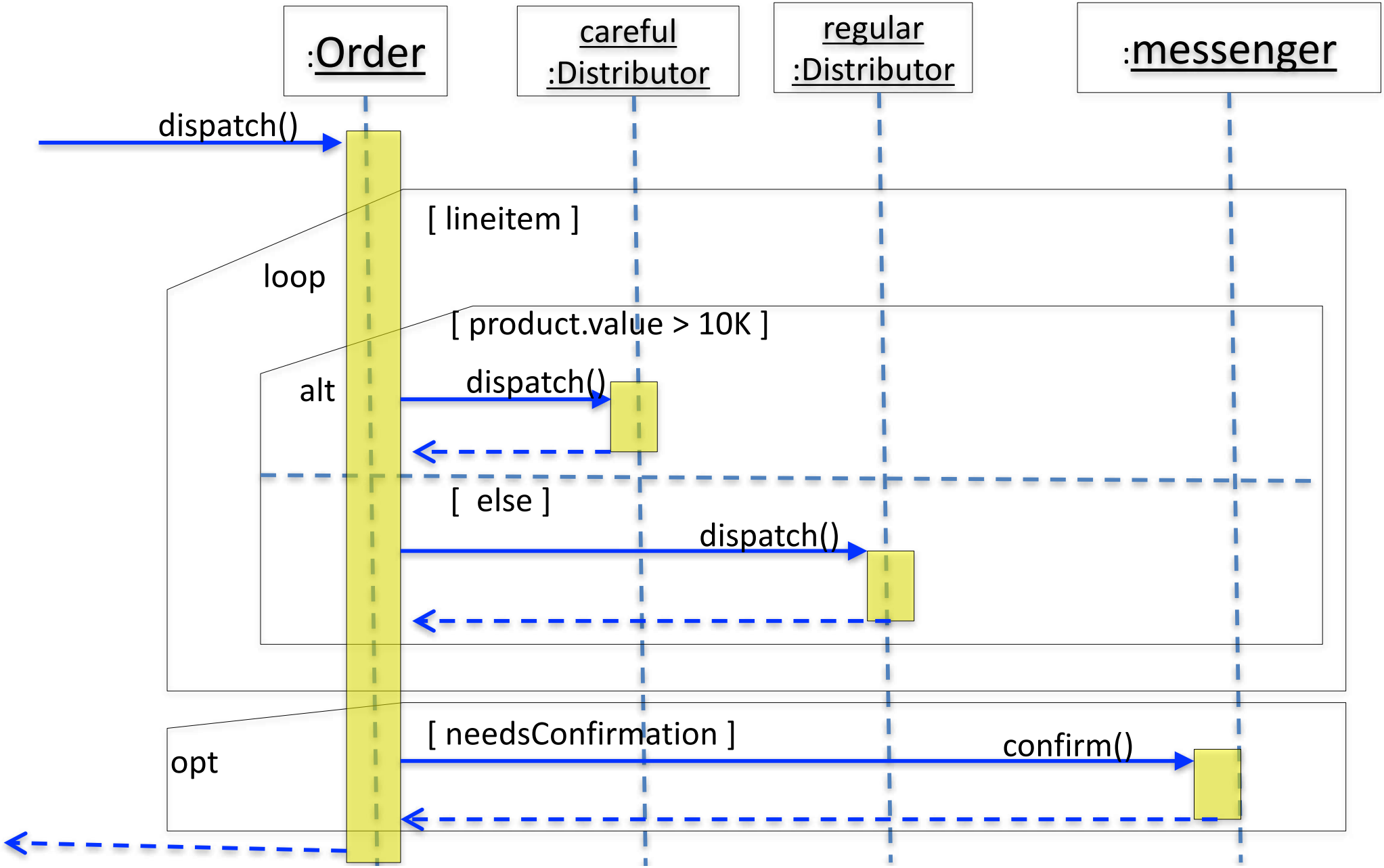
# 8. else & regular.dispatch()



# 8. opt condition



# 9. opt message



# FINAL SEQ DIAG