## Exercise 2.45.

Right-split and up-split can be expressed as instances of a general splitting operation. Define a procedure split with the property that evaluating

```
(define right-split (split beside below))
(define up-split (split below beside))
```

## Answer

We've seen that right-split and up-split each makes the painters split and branch in a square pattern; they differ only in how they orient their half and quarter copies. Hence, we can abstract this pattern of painter combination with the split procedure, which takes two dual-argument painter operations and produce a painter operation that splits and branches a given painter with those two operations to a designated depth. Half and quarter are the splitting and branching operations to apply to the half copy and quarter copy respectively.

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