$$(((A \mathbin{\&} B) \mathbin{\&} \sim(A \mathbin{\&} B)) \mathbin{\&} \sim D)$$
$$((A \mathbin{\&} B) \mathbin{\&} \sim(A \mathbin{\&} B))$$
$$\sim D$$
$$(A \mathbin{\&} B)$$
$$\sim(A \mathbin{\&} B)$$
$$A$$
$$B$$

```
          |
   ┌──────┴──────┐
  ∼A            ∼B
   ×             ×
```