|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | mutable | readonly | immutable | rdm |
| assignable | x | x | x | x |
| final | x | x | 🗸 | *Ⓡ* |
| rda | x | x | *Ⓡ* | *Ⓡ* |

**Figure 1 Abstract State Table for All Combinations of Field Types**

Field f is declared with assignability qualifier and mutability qualifier. Whether f belongs to abstract state of the outer object is determined by the combination of two kinds of qualifiers

Note:

🗸 : Always belong to the abstract state of the outer objet

*Ⓡ* : Depends on actual receiver. If actual receiver is mutable, the field is NOT in the abstract state. Otherwise, it’s in the abstract state of the outer object.