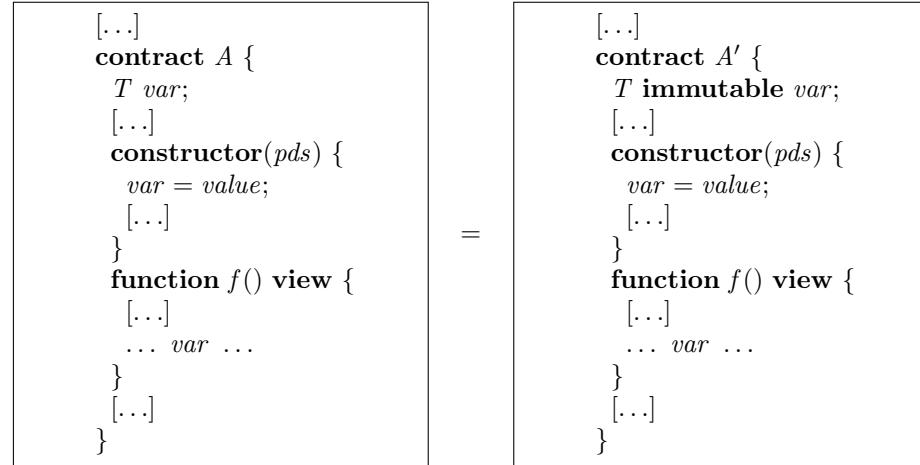


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**Rule 0.14** *(Use Immutable Variables for Constructor-Set Values)*

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**where**

*var* is a state variable of type *T* in contract *A*;

*value* is an expression evaluated during contract construction;

*pds* are the constructor parameter declarations;

*f* is a function that reads *var*.

**provided**

The variable *var* is assigned exactly once in the constructor;

The variable *var* is never modified after construction;

The type *T* supports immutable declaration in Solidity;

No write operations to *var* exist outside the constructor;

The value assigned to *var* can be determined at deployment time.

**Invariant:**

Let  $s_i$  and  $s'_i$  be the initial state of *A* and *A'*, respectively.

Let  $s_f$  and  $s'_f$  be the state reached by *A* and *A'*, respectively, after *A.f()* and *A'.f()* are executed from  $s_i$  and  $s'_i$ , respectively.

Then, the coupling invariant is

$$\forall s_i, s'_i . (s_i = s'_i) \rightarrow (s_f = s'_f)$$