

$a\{i \leftarrow x\}$ \leftrightarrow $a[i] = x$

$a\{i \leftarrow x\}[j] \leq 10$

```
int a[3];  
a[0] = 1;  
a[1] = 14;  
a[0] = 9;  
if (a[0] < 5) {  
...  
}
```

$(a\{0 \leftarrow 1\}\{1 \leftarrow 14\}$

$\{0 \leftarrow 9\}[0] < 5)$

```
for (int i = 0;  
i < 99; ++ i) {  
    a[i] = 0;  
}
```

$$a[0] = 10 \Rightarrow \boxed{a[1 \leftarrow 10]} = 10$$

$$a[0] = 10 \wedge a'[1] = 20 \wedge$$

$$(\forall j \neq 1. a'[j] = a[j]) \Rightarrow a'[0] = 10$$

$$F_a(0) \Rightarrow 10 \wedge F_{a'}[1] = 20 \wedge$$

$$(\forall j \neq 1. F_{a'} = F_a[j]) \Rightarrow F_{a'}(0) = 10$$

$\left\{ \begin{array}{l} \forall j \neq i . a'[j] = a[j] \\ \text{иначе } 0 \end{array} \right.$

$\{ i \leftarrow 0 \}$

$(\forall j . (j \leq i - 1 \wedge i + 1 \leq j) \Rightarrow a'[j] = a[j]) \text{ or } (i = j \Rightarrow a'[j] = 0)$