Reasoning Table for goToTheRear

Use: T.Init(x) as a predicate to state that variable x has initial value for its type T

```
void goToTheRear(QueueOfT& q);
    //! updates q
    //! requires    |q| > 0
    //! ensures    q = #q[1,|#q|) * #q[0,1)
```

State	Code	Assume	Confirm
0		<i>A0</i> : q0 > 0	C0: true This true is requires clause from Type T's constructor
	ту;	///////////////////////////////////////	///////////////////////////////////////
1		A1: T.Init(y1) ^ q1 = q0	<i>CI</i> : q1 /= <>
	q.dequeue(y);	///////////////////////////////////////	///////////////////////////////////////
2		$A2:$ <y2> is prefix of q1 ^ q2 = q1[1, q1)</y2>	C2: true This true is requires clause from enqueue
	q.enqueue(y);	///////////////////////////////////////	///////////////////////////////////////
3		A3: q3 = q2 * <y2> ^ T.Init(y3)</y2>	C3: $q3 = q0[1, q0) * q0[0, 1)$

VCs written using A0, A1, A2, and A3 cell labels	Where:
VC Format: antecedent → consequent	A0 = q0 > 0
VC0: A0 \rightarrow true VC1: (A0 ^ A1) \rightarrow q1 /= <> VC2: (A0 ^ A1 ^ A2) \rightarrow true VC3: (A0 ^ A1 ^ A2 ^ A3) \rightarrow q3 = q0[1, q0) * q0[0,1)	A1 = T.Init(y1) ^ q1 = q0 A2 = <y2> is prefix of q1 ^ q2 = q1[1, q1) A3 = q3 = q2 * <y2> ^ T.Init(y3)</y2></y2>