Reasoning Table for removeTwo

Name: _____

To Do:

1. Fill in the reasoning table slots A0, A1, A2, C0, C1, C2 with the correct assertions
2. In the assertions, substitute self for the controlling object and the actual parameter for the formal parameter
3. In the assertions, postpend to the variable its correct state number

```
void removeTwo(SequenceOfT& s, T& z, T& y);
   //! updates s
   //! replaces z, y
   //! requires   |s| > 1
   //! ensures    s = #s[2,|#s|)  and  <z> is prefix #s  and  <y> is prefix #s[1,|#s|)
```

State	Code	Assume	Confirm
0		*A0*: `|s0| > 1`	*C0*: `0 <= 1 < |s0|`
	`s.remove(1,y);`		
1		*A1*: `<y1> = s0[1,2) and s1 = s0[0,1) * s0[2,|s0|) and z1 = z0`	*C1*: `0 <= 0 < |s1|`
	`s.remove(0,z);`		
2		*A2*: `<z2> = s1[0,1) and s2 = s1[0,0) * s1[1,|s1|) and y2 = y1`	*C2*: `S2 = s0[2,|s0|) and <z2> is prefix s0 and <y2> is prefix s0[1,|s0|)`

Reference:

```
   void remove (Integer pos, T& x);
      //! updates self
      //! restores pos
      //! replaces x
      //! requires: 0 ≤ pos < |self|
      //! ensures: <x> = #self[pos, pos+1) and self = #self[0, pos) * #self[pos+1, |#self|)
```