

Array assignment

Tue Nov 21

Prove that the following program satisfies the given triple under partial correctness.

$$\{ (A[x] = x_0) \wedge (A[y] = y_0) \}$$

$$t = A[x];$$

$$A[x] = A[y];$$

$$A[y] = t;$$

$$\{ (A[x] = y_0) \wedge (A[y] = x_0) \}$$