

## Answer

Let *Truth* be the algorithm with a single variable  $t$  initialized to TRUE and whose body is

**while** ( TRUE ) {  $t := \text{TRUE}$  }

Formula  $I$  is an invariant of  $S$  iff  $S$  implements *Truth* under the refinement mapping  $\bar{t} \triangleq I$ .

[CLOSE](#)