Untitled-1

```c
/*
 * negate - return -x
 *   Example: negate(1) = -1.
 *   Legal ops: ! ~ & ^ | + << >>
 *   Max ops: 5
 *   Rating: 2
 */
int negate(int x) {
  // very simple as long as we know that ~x = -x - 1
  // so rearranging the equation we get -x = ~x + 1

  return ~x + 1;
}
```