

pre ob 7.9 Exercise 1

1.	$n = 10$	$\bar{i} = 10$	2.	10
	$n = 10$	$\bar{i} = 5$		5
	$n = 10$	$\bar{i} = 6$		6
	$n = 10$	$\bar{i} = 3$		3
	$n = 10$	$\bar{i} = 4$		4
	$n = 10$	$\bar{i} = 2$		2
	$n = 10$	$\bar{i} = 1$		

3. Any positive value of n is assigned to the integer variable \bar{i} . The current value of \bar{i} is either even or odd. When \bar{i} is even, it will be equal to half of the current value. When \bar{i} is odd, it will be increased by 1. In the next round, the value of \bar{i} will be halved again. For all positive integers, this procedure will make the number to be 1 which terminates the loop.