Exercise 34

For the following exercises, use the values listed in Table 1.

x	0	1	2	3	4	5	6	7	8
$f(x)$	1	3	5	7	9	11	13	15	17

Table 1

Find $F^{-1}(15)$.

[TYPO: The problem should read: "Find $f^{-1}(15)$."]

Solution

The input corresponding with an output of 15 is $x = 7$.

x	0	1	2	3	4	5	6	7	8
$f(x)$	1	3	5	7	9	11	13	15	17

Therefore,

$$f^{-1}(15) = 7.$$