```
X: {1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20}
Y: {3,5,15}
For all n in X, there is some m in Y where n * m >= 15
X: n is 1
 Y: m is 3 and is invalid.
 Y: m is 5 and is invalid.
 Y: m is 15 and is valid.
X: n is 2
 Y: m is 3 and is invalid.
 Y: m is 5 and is invalid.
 Y: m is 15 and is valid.
X: n is 3
 Y: m is 3 and is invalid.
 Y: m is 5 and is valid.
X: n is 4
 Y: m is 3 and is invalid.
 Y: m is 5 and is valid.
X: n is 5
 Y: m is 3 and is valid.
X: n is 6
 Y: m is 3 and is valid.
X: n is 7
 Y: m is 3 and is valid.
X: n is 8
 Y: m is 3 and is valid.
X: n is 9
 Y: m is 3 and is valid.
```

X: n is 10
Y: m is 3 and is valid.
X: n is 11
Y: m is 3 and is valid.
X: n is 12
Y: m is 3 and is valid.
X: n is 13

Y: m is 3 and is valid.

X: n is 14

Y: m is 3 and is valid.

X: n is 15

Y: m is 3 and is valid.

X: n is 16

Y: m is 3 and is valid.

X: n is 17

Y: m is 3 and is valid.

X: n is 18

Y: m is 3 and is valid.

X: n is 19

Y: m is 3 and is valid.

X: n is 20

Y: m is 3 and is valid.

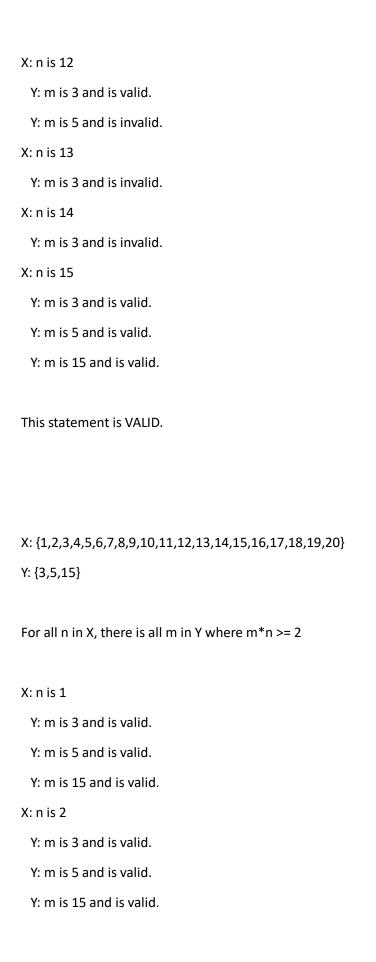
This statement is VALID.

Y: {3,5,15}

For some n in X, there is all m in Y where n/m is an integer

X: n is 1 Y: m is 3 and is invalid. X: n is 2 Y: m is 3 and is invalid. X: n is 3 Y: m is 3 and is valid. Y: m is 5 and is invalid. X: n is 4 Y: m is 3 and is invalid. X: n is 5 Y: m is 3 and is invalid. X: n is 6 Y: m is 3 and is valid. Y: m is 5 and is invalid. X: n is 7 Y: m is 3 and is invalid. X: n is 8 Y: m is 3 and is invalid. X: n is 9 Y: m is 3 and is valid. Y: m is 5 and is invalid. X: n is 10 Y: m is 3 and is invalid. X: n is 11

Y: m is 3 and is invalid.



X: n is 3

Y: m is 3 and is valid.

Y: m is 5 and is valid.

Y: m is 15 and is valid.

X: n is 4

Y: m is 3 and is valid.

Y: m is 5 and is valid.

Y: m is 15 and is valid.

X: n is 5

Y: m is 3 and is valid.

Y: m is 5 and is valid.

Y: m is 15 and is valid.

X: n is 6

Y: m is 3 and is valid.

Y: m is 5 and is valid.

Y: m is 15 and is valid.

X: n is 7

Y: m is 3 and is valid.

Y: m is 5 and is valid.

Y: m is 15 and is valid.

X: n is 8

Y: m is 3 and is valid.

Y: m is 5 and is valid.

Y: m is 15 and is valid.

X: n is 9

Y: m is 3 and is valid.

Y: m is 5 and is valid.

Y: m is 15 and is valid.

X: n is 10

Y: m is 3 and is valid.

Y: m is 5 and is valid.

Y: m is 15 and is valid.

X: n is 11

Y: m is 3 and is valid.

Y: m is 5 and is valid.

Y: m is 15 and is valid.

X: n is 12

Y: m is 3 and is valid.

Y: m is 5 and is valid.

Y: m is 15 and is valid.

X: n is 13

Y: m is 3 and is valid.

Y: m is 5 and is valid.

Y: m is 15 and is valid.

X: n is 14

Y: m is 3 and is valid.

Y: m is 5 and is valid.

Y: m is 15 and is valid.

X: n is 15

Y: m is 3 and is valid.

Y: m is 5 and is valid.

Y: m is 15 and is valid.

X: n is 16

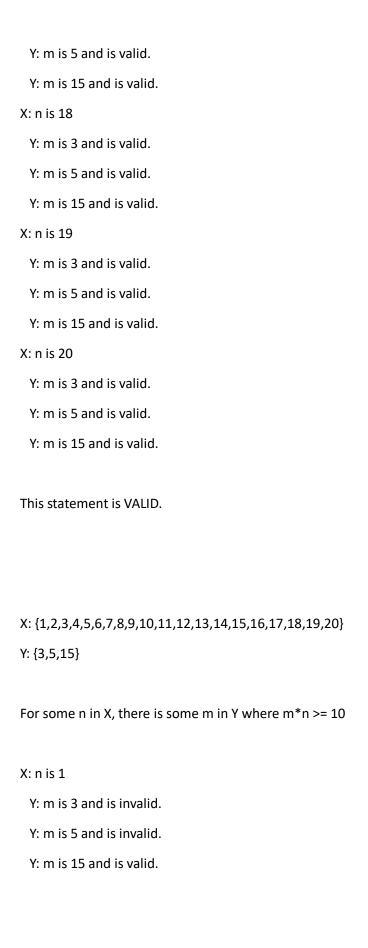
Y: m is 3 and is valid.

Y: m is 5 and is valid.

Y: m is 15 and is valid.

X: n is 17

Y: m is 3 and is valid.



This statement is VALID.