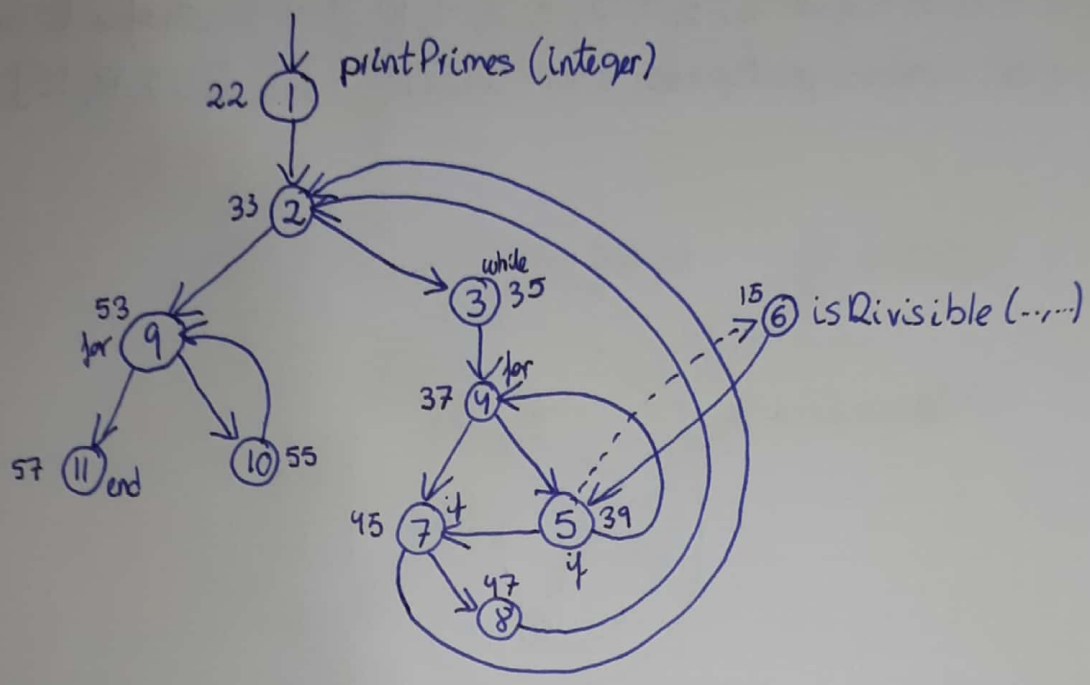
Ejercicio 1

2



3 Para n = 1

4

Node coverage

RT = {1,2,3,4,5,6,7,8,9,10,11}

Edge Coverage

RT = {(1,2), (2,3), (2,9), (3,4), (4,5), (4,7), (5,4), (5,6), (6,5), (5,7), (7,8), (7,2), (8,2), (9,10), (10,9), (9,11)}

[10, 9, 10]
[10, 9, 11]}
X

[4,5,7,8,2,9,10]
[4,5,7,8,2,9,11]
[4,5,7,2,9,10]
[4,5,7,2,9,11]
[1,2,9,10]
[1,2,9,10]
[9,10,9]

Prime paths

RT = {([1,2,3,4,7,2,9,10],
[1,2,3,4,7,2,9,11],
[1,2,3,4,5,7,2,9,10],
[1,2,3,4,5,7,2,9,11],
[1,2,3,4,7,8,2,9,10],
[1,2,3,4,7,8,2,9,11],
[1,2,3,4,5,7,8,2,9,10],
[1,2,3,4,5,7,8,2,9,11],
~~[4,5,4,7,2,9,10]~~,
~~[4,5,4,7,2,9,11]~~,
~~[4,5,4,7,8,2,9,10]~~,
~~[4,5,4,7,8,2,9,11]~~,
~~[5,4,5,~~
[4,5,4],
[5,4,5],

5 [1,2,3,4,5,6,4,7,8,2,9,10,11] satisface la cobertura de nodos, pero no la de los arcos (5,7) y (7,2). No es viable.

6 [1,2,3,4,5,4,7,8,2,3,4,5,7,2,9,10,9,11] satisface la cobertura de arcos, pero no de caminos principales como [1,2,9,11] o [1,2,9,10]. ~~No~~ es viable.