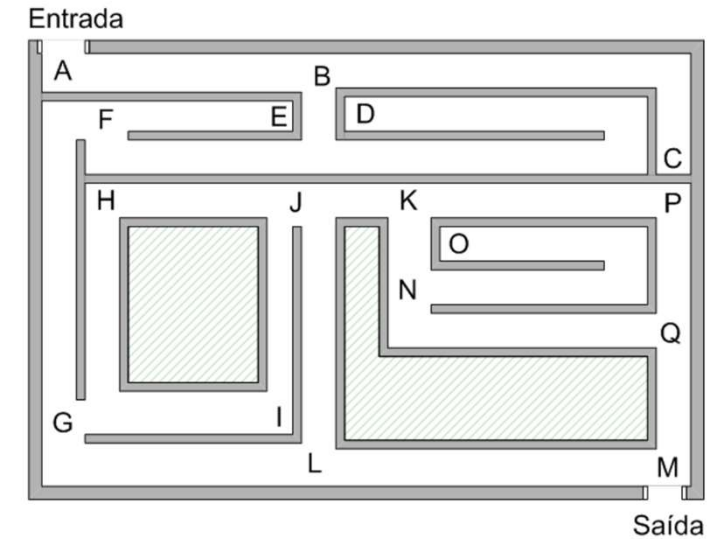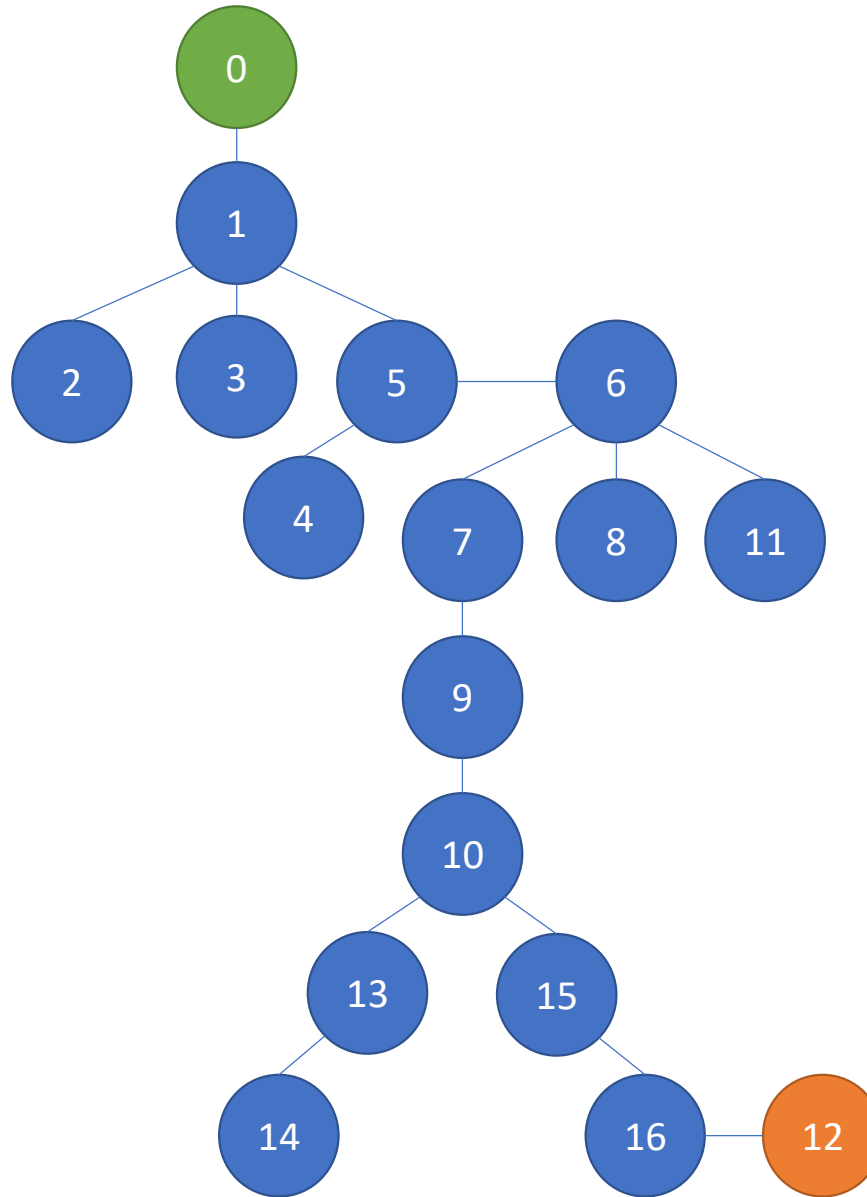**Busca em profundidade**

1)

A = 0
B = 1
C = 2
D = 3
E = 4
F = 5
G = 6
H = 7
I = 8
J = 9
K = 10
L = 11
M = 12
N = 13
O = 14
P = 15
Q = 16

Funções de Incidência:

$\Psi(A) = \{0, 1\};$ $\quad \omega(A)=1$
$\Psi(B) = \{1, 5\};$ $\quad \omega(B)=1$
$\Psi(C) = \{5, 6\};$ $\quad \omega(C)=1$
$\Psi(D) = \{6, 7\};$ $\quad \omega(D)=1$
$\Psi(E) = \{7, 9\};$ $\quad \omega(E)=1$
$\Psi(F) = \{9, 10\};$ $\quad \omega(F)=1$
$\Psi(G) = \{10, 15\};$ $\quad \omega(G)=1$
$\Psi(H) = \{15, 16\};$ $\quad \omega(H)=1$
$\Psi(I) = \{16, 12\};$ $\quad \omega(I)=1$