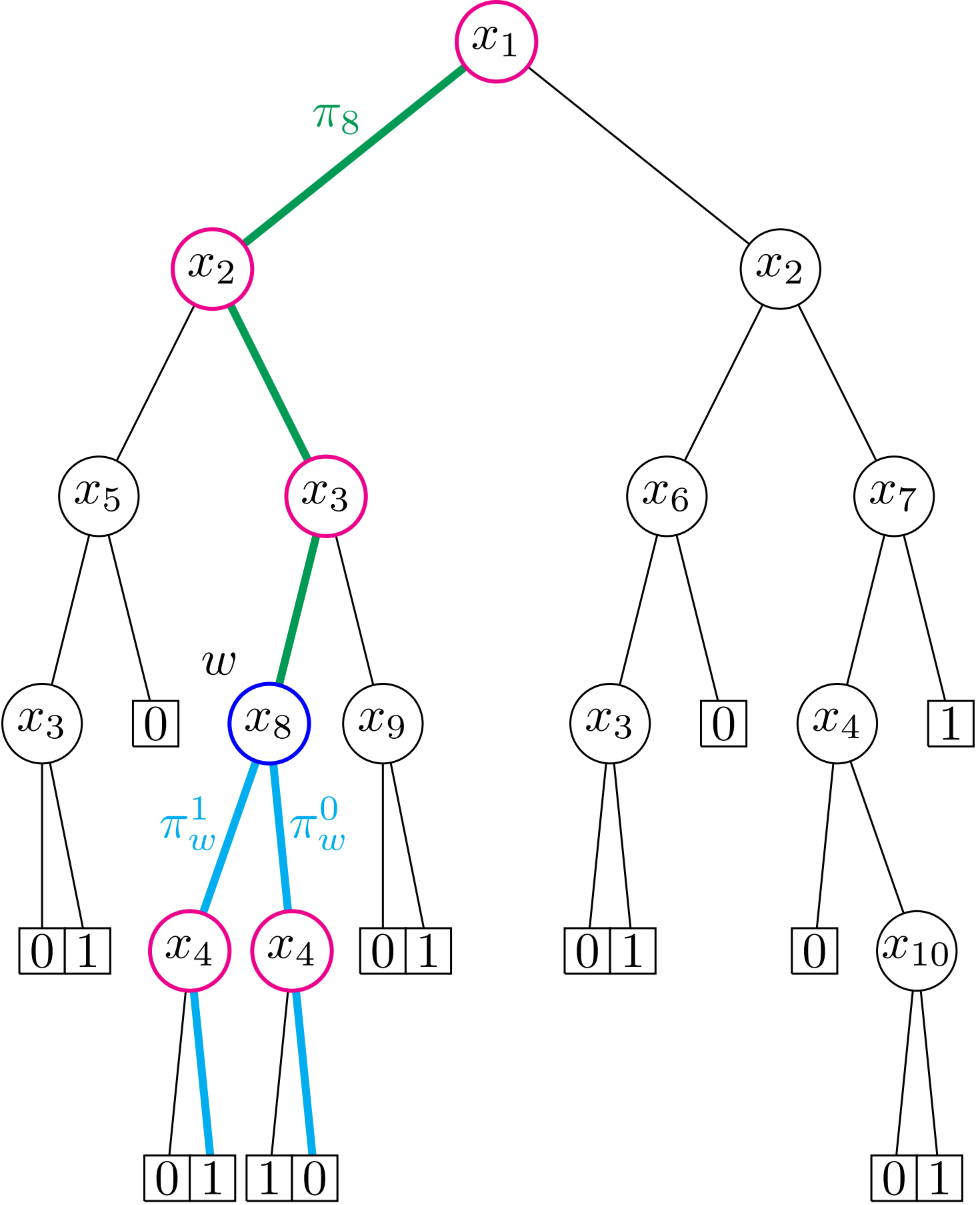

x_1
π_8
x_2
x_2
x_5
x_3
x_6
x_7
w
x_3
0
x_8
x_9
x_3
0
x_4
1
π_w^1
π_w^0
0 1
x_4
x_4
0 1
0 1
0
x_{10}
0 1
1 0
0 1

(a) The tree T_f