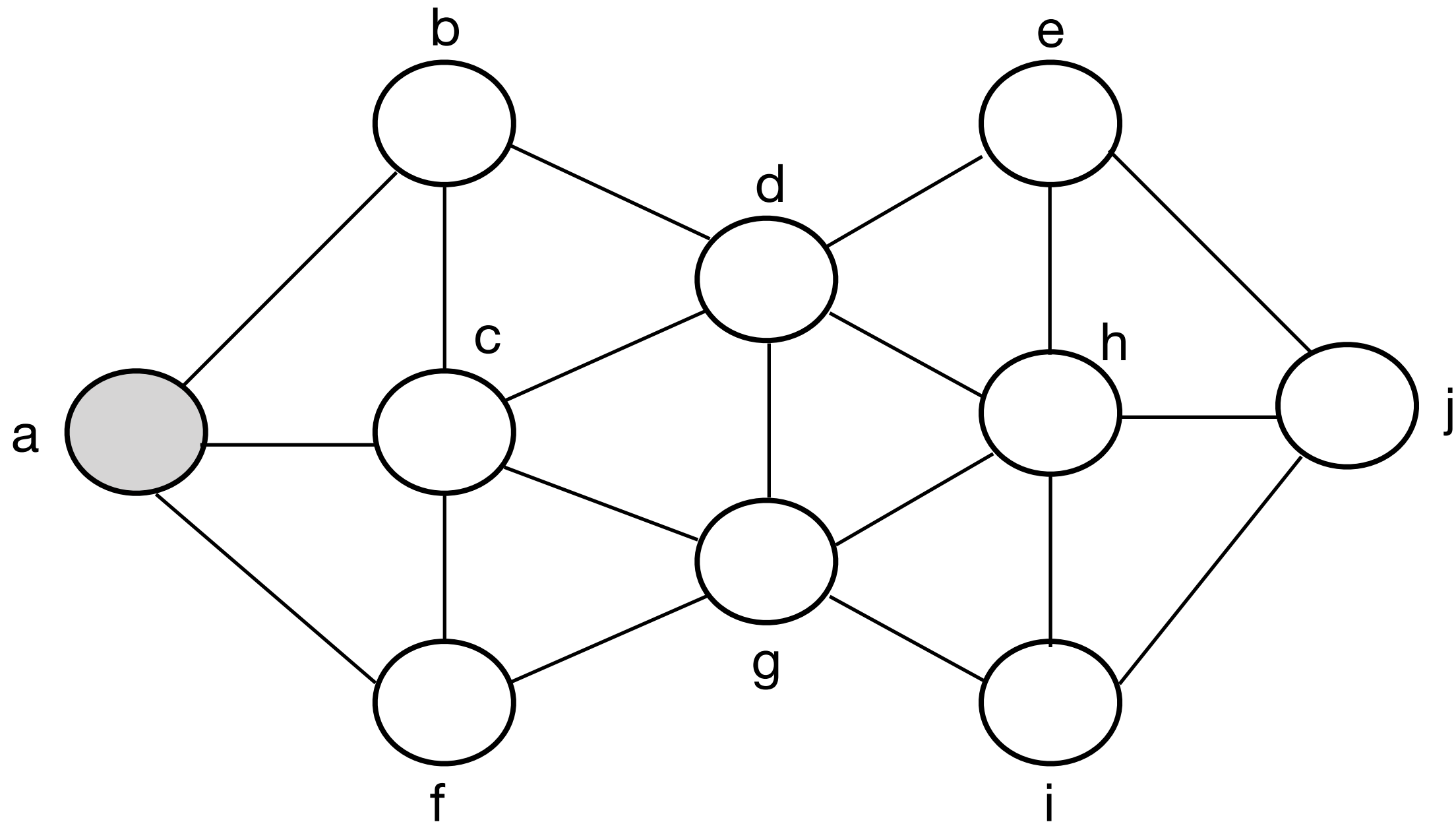Run DFS from vertex *a*. Whenever faced with a decision of which vertex to pick from a set of vertices, pick the vertex whose label occurs earliest in the alphabet.

Run DFS from vertex *a*. Whenever faced with a decision of which vertex to pick from a set of vertices, pick the vertex whose label occurs earliest in the alphabet.

discovery edge

back edge

b

e

d

c

h

a

j

f

g

i