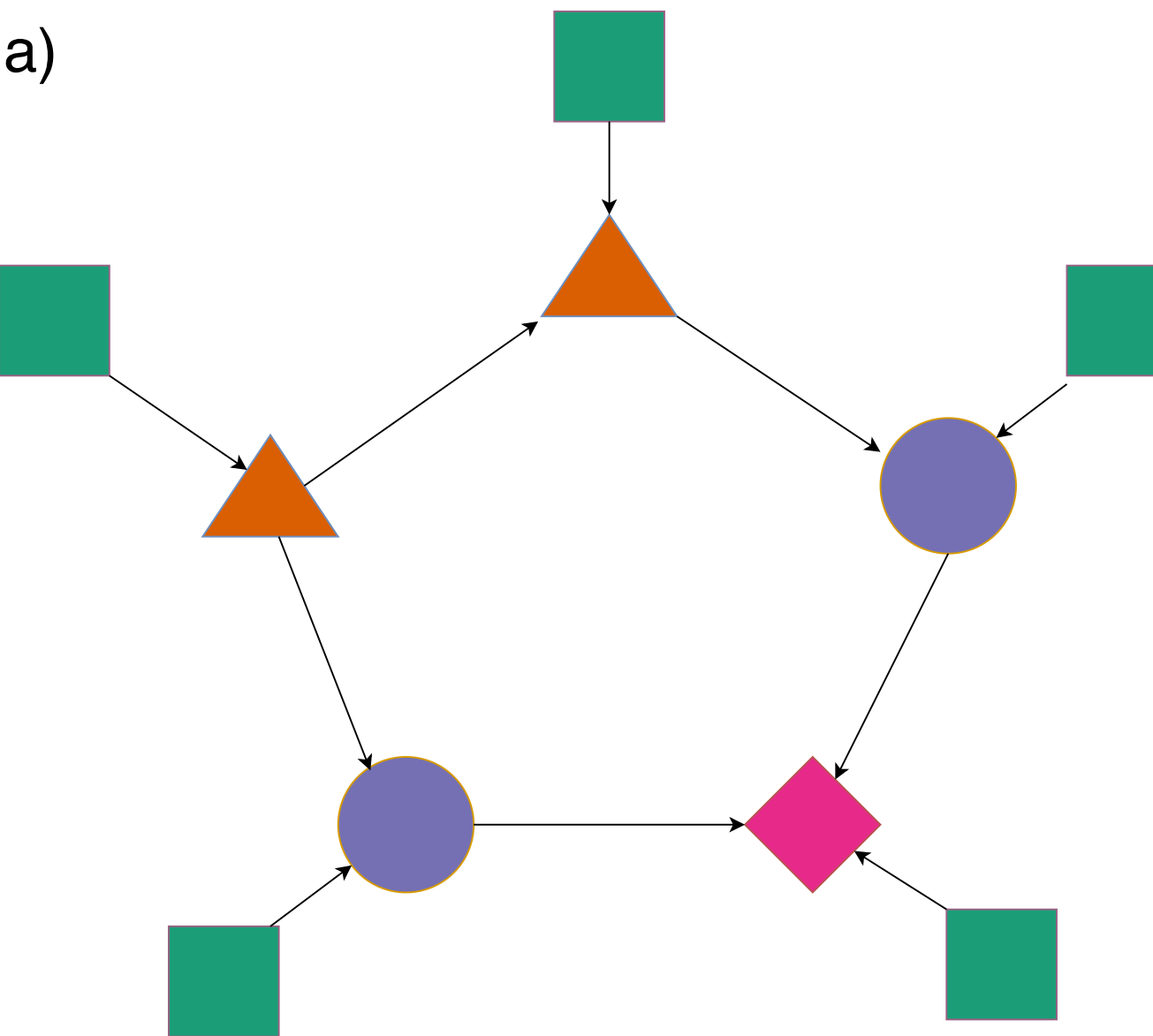


a)



Genetic variants

Molecular markers

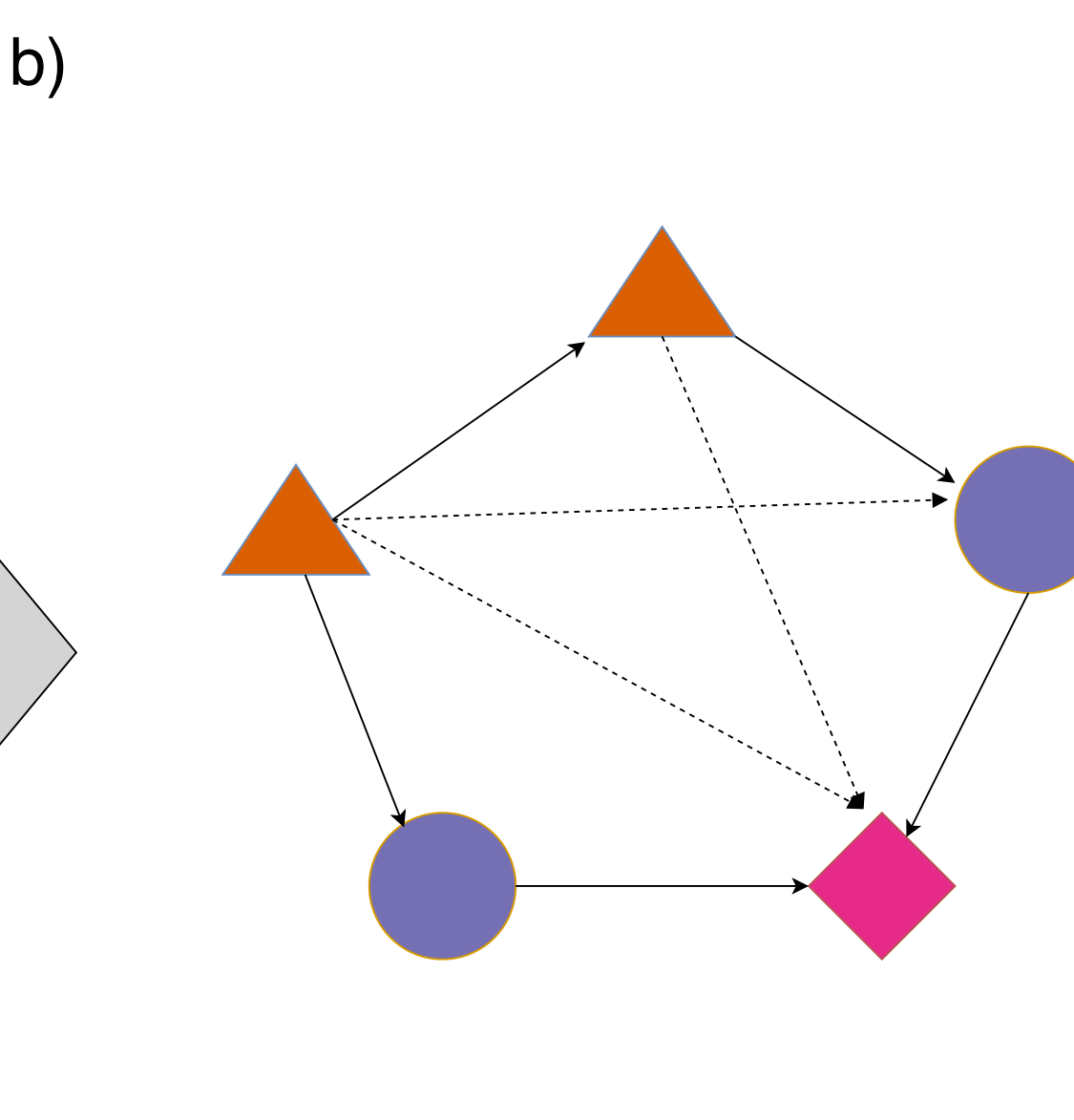
Complex traits

Diseases

Direct effects

Indirect effects

b)



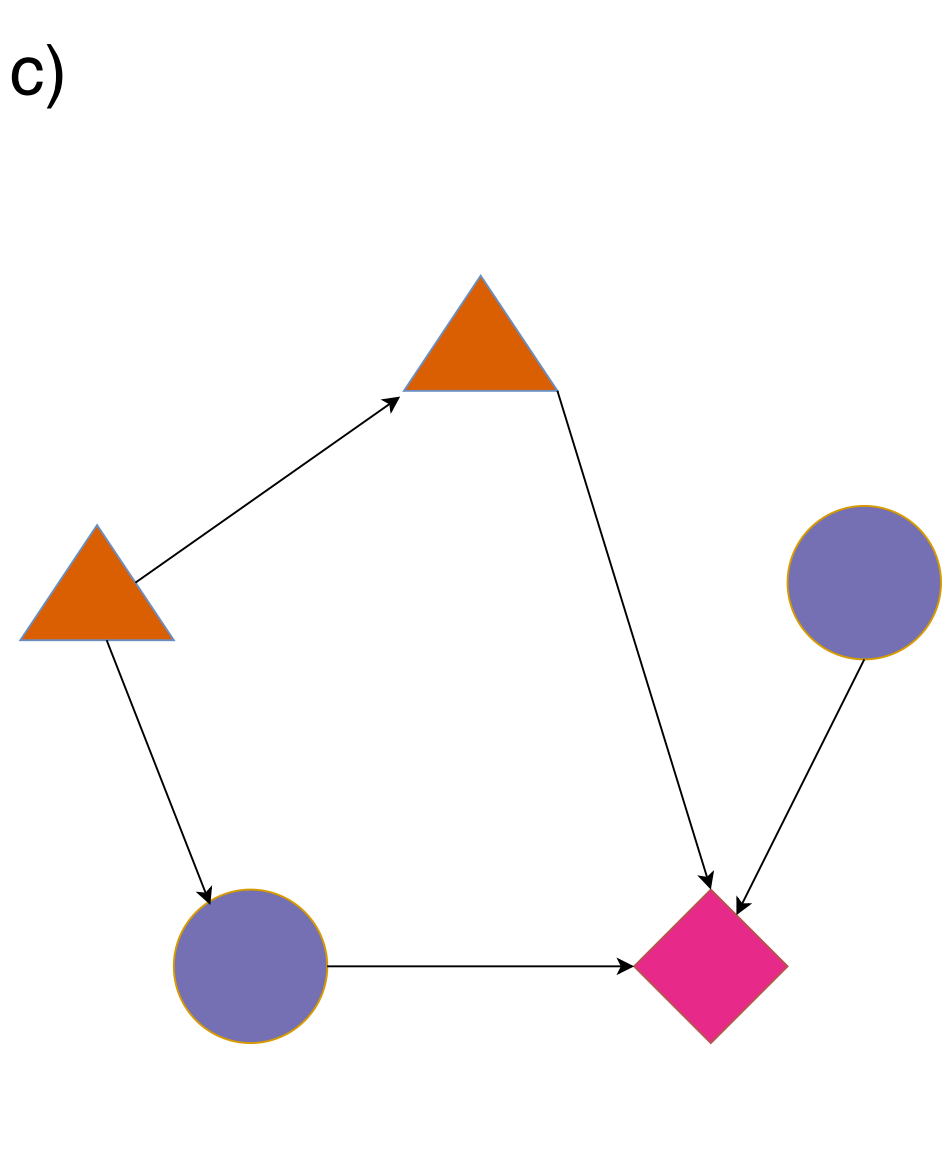
Complex traits

Diseases

Direct effects

Indirect effects

c)



Complex traits

Diseases

Direct effects

Indirect effects

Bi-directional Mendelian Randomization

Inverse sparse regression