

1. Incorrect arrows (*e.g.* arrow from Disturbance by dogs to wind chill) marked wrong.
2. Connections (pairs) = $(7! / 5!) / 2 = 7*6/2 = 42/2 = 21$
Arrows = $2*\text{connections} = 2*21 = 42$
3. reduction = $n_{\text{drawn}}/42$ where n_{drawn} = number of arrows drawn.
4. Simplify by dropping arrows (1 pt), then explain how to do this (1 pt).
or
Simplify by combining several variables into a single box (1 pt),
then explain a method of accomplishing this (1 pt).