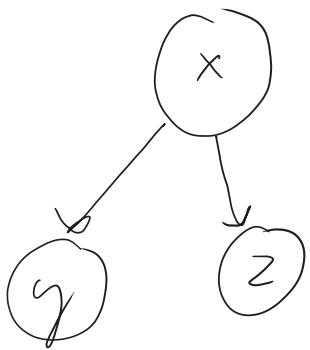
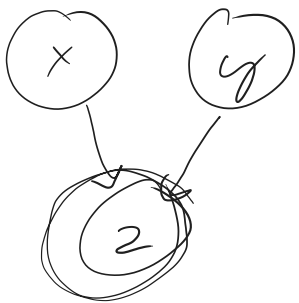


$$\pi(x,y,z) = \pi(x)\pi(y|x)\pi(z|x)$$
$$\pi(x)\pi(y|x)\pi(z|x,y)$$
$$\pi(z|y,x) = \pi(x|y)$$

$z \perp\!\!\!\perp y \mid x$

MEANS $\pi(z|y,x) = \pi(z|y)$

$x \perp\!\!\!\perp z \mid y$



EASY EXAMPLE:

x : HAS RAINED OR NO

y : SPRINKLER SYSTEM ON OR NOT

z : GRASS IS WET