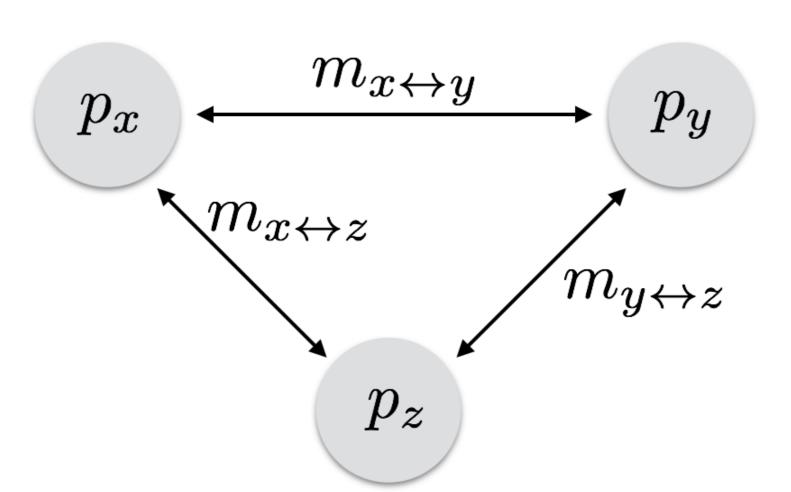
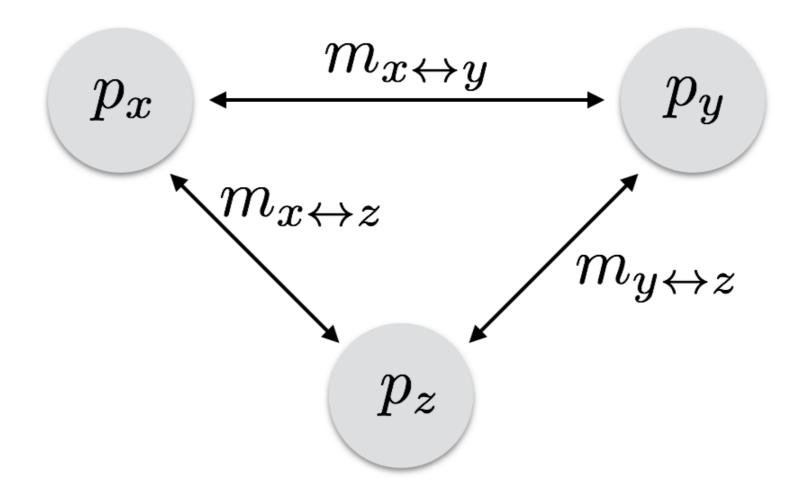
$p_{x,t+1} = m_{x \leftrightarrow y} p_{y,t} + m_{x \leftrightarrow z} p_{z,t} + [1 - (m_{x \leftrightarrow y} + m_{x \leftrightarrow z})] p_x$



 $p_{y,t+1} = m_{x \leftrightarrow y} p_{x,t} + m_{y \leftrightarrow z} p_{z,t} + [1 - (m_{x \leftrightarrow y} + m_{y \leftrightarrow z})] p_y$

$$p_{z,t+1} = m_{x \leftrightarrow z} p_{x,t} + m_{y \leftrightarrow z} p_{y,t} + [1 - (m_{x \leftrightarrow z} + m_{y \leftrightarrow z})] p_z$$



$$p_{x,t+1} = m_{x \leftrightarrow y} p_{y,t} + m_{x \leftrightarrow z} p_{z,t} + [1 - (m_{x \leftrightarrow y} + m_{x \leftrightarrow z})] p_x$$

$$p_{y,t+1} = m_{x \leftrightarrow y} p_{x,t} + m_{y \leftrightarrow z} p_{z,t} + [1 - (m_{x \leftrightarrow y} + m_{y \leftrightarrow z})] p_y$$

$$p_{z,t+1} = m_{x \leftrightarrow z} p_{x,t} + m_{y \leftrightarrow z} p_{y,t} + [1 - (m_{x \leftrightarrow z} + m_{y \leftrightarrow z})] p_z$$

Beer-time Puzzle

