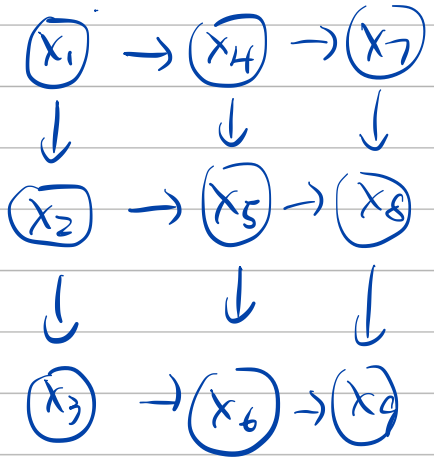
①

a) $p(x) = p(x_1)\, p(x_2|x_1)\, p(x_3|x_1, x_2)\, p(x_4|x_1, x_2, x_3)\, p(x_5|x_1, x_2, x_3, x_4)$
$p(x_6|x_1, x_2, x_3, x_4, x_5,\ )\, p(x_7|x_1, x_2, x_3, x_4, x_5, x_6)$
$p(x_8|x_1, x_2, x_3, x_4, x_5, x_6, x_7)\, p(x_9|x_1, x_2 x_3, x_4, x_5, x_6, x_7, x_8)$

b) No

c)
$p(x) = p(x_1)\, p(x_2|x_1)\, p(x_3|x_1, x_2)\, p(x_4|x_1, x_2, x_3)\, p(x_5|x_1, x_2, x_3, x_4)$
$p(x_6|x_1, x_2, x_3, x_4, x_5,\ )\, p(x_7|x_1, x_2, x_3, x_4, x_5, x_6)$
$p(x_8|x_1, x_2, x_3, x_4, x_5, x_6, x_7)\, p(x_9|x_1, x_2 x_3, x_4, x_5, x_6, x_7, x_8)$

d)



e) 9 parameters