

(A)

a	b	c	d	P()
0	0	0	0	1
		0	1	.
		1	0	.
		1	1	.

$$2^4 = 16$$

$$P(a=0, b=0)$$

$$P(a, b, c, d) = \underbrace{f_1}_{(1)} \underbrace{f_2}_{(1)} f_3 f_4$$

4

0	0
0	1
1	0
1	1

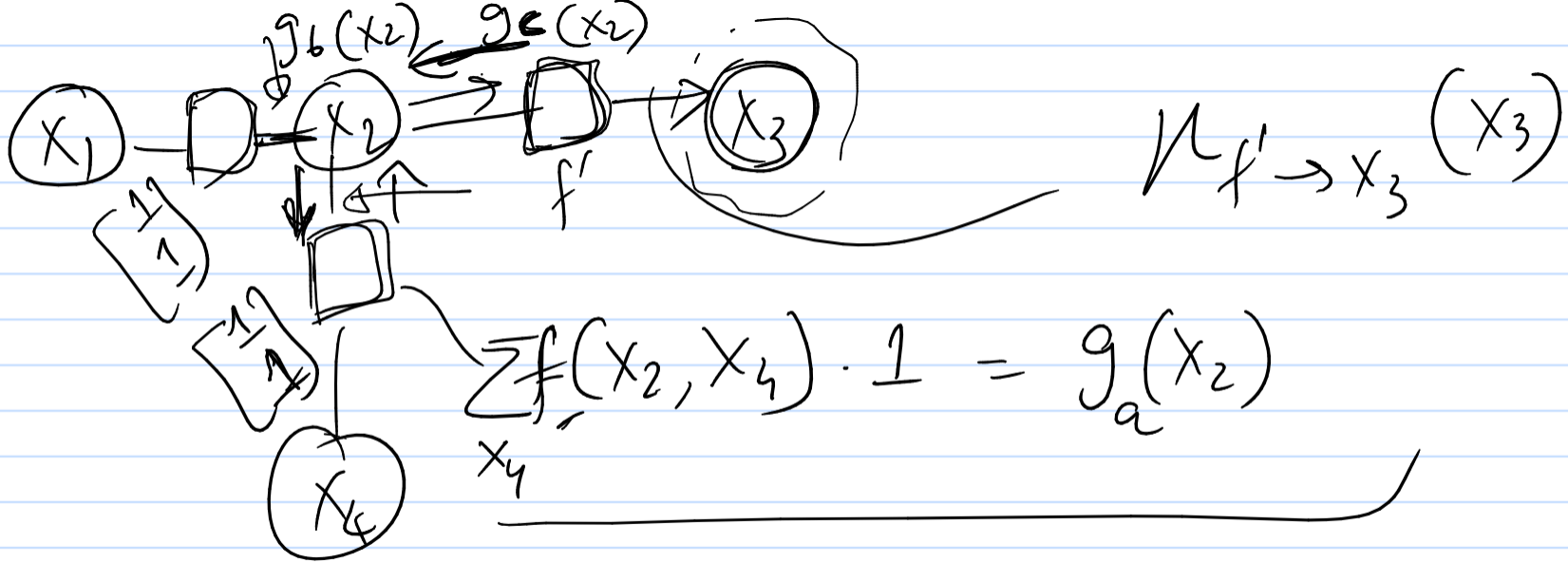
4

14

$$+ 2 = 14$$

?

(B)



GS

$x \sim P(x)$

X_1, X_2, X_3

$x^0 = [1, 2, -1]$

$x_1' \sim P(X_1 = x \mid X_2 = 2, X_3 = -1)$
 $x_2' \sim P(X_2 = x \mid X_1 = 5, X_3 = -1)$
 $x_3' \sim P(X_3 = x \mid X_1 = 5, X_2 = 0)$

1	2	-1	x^0
5	0	2	x^1
			x^2
			\vdots
			\vdots

$$q(x, x')$$

a b

a	.5	.5
b	.7	.3

$$x_1, x_2, \dots, x_\infty$$

$\{a, b\}$

$$A\pi = \pi$$

$$\left[\pi(a) = \pi(a)q(a, a) + \pi(b)q(b, a) \right]$$