S.N	Gender	B.P	Cholestrol	Smoking
1	male	Normal	Low	No
2	male	Normal	high	Yes
3	female	high	high	No
4	female	high	low	Yes
5	male	high	high	Yes

$P(Smoking = Yes) = \dfrac{3}{5}$

$P(Smoking = No) = \dfrac{2}{5}$

$P(Gender = male \mid Smoke = Yes) = \dfrac{2}{3}$

$P(B.P = Normal \mid Smoke = Yes) = \dfrac{2}{3}$

$P(Cholestrol = high \mid Smoke = Yes) = \dfrac{2}{3}$

$P(Gender = male \mid Smoke = No) = \dfrac{1}{2}$

$P(B.P = Normal \mid Smoke = No) = \dfrac{1}{2}$

$P(Cholestrol = high \mid Smoke = No) = \dfrac{1}{2}$

$P(X) = P(Gender = male) * P(B.P = Yes) * P(Cholestrol = high)$

$= \dfrac{3}{5} * \dfrac{3}{5} * \dfrac{3}{5} = 0.21$

$P(Smoke = Yes \mid X) = \dfrac{0.17}{P(X)} = 0.80$ — ①

$$P(\text{Smoke} = No \mid x) = 0.05 / P(x)$$
$$= 0.23 \quad\text{—②}.$$

Eqn ① & Eqn ②.

Here the result is true then the Person smoking is Yes.