Assignment -2 in LATEX

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Question 10.13.1.26: There are four men and six women on the city council. If one council member is selected for a committee at random, how likely is it that it is a woman? Solution:

| Parameter | Value | Description |
|-----------|-------|-------------|
| X | 0 | Male |
| | 1 | Female |

TABLE 0: Council distribution

$$X = \begin{cases} 0, & \text{if member is a man} \\ 1, & \text{if member is a woman} \end{cases}$$
 (1)

With reference to Table 0

$$p_X(1) = \frac{6}{6+4} = \frac{6}{10} \tag{2}$$

The desired probability is:

$$p_X(1) = \frac{6}{10} \tag{3}$$