

Assignment 5 : Papoulis Textbook

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Question

Chapter 3 example 3.1

The cartesian product of the sets $S1 = \{car, apple, bird\}$ $S2 = \{h, t\}$ is?

Solution

Given $S1 = \{car, apple, bird\}$ and $S2 = \{h, t\}$

Let the cartesian product of the sets $S1$ and $S2$ be S .

Then $S = S1 \times S2$

$$\implies S = \{(car, h), (car, t), (apple, h), (apple, t), (bird, h), (bird, t)\}$$