# Solution Template

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Fill in each answer in the respective box. Intermediate computations can be done on a separate page.

Diagram, schematic

Description automatically generated

1.b

*P* (*X*5 = **R**|**E1**) = 1/4 *P*(*X*5 = **G**|**E1**) = 1/4   
*P* (*X*5 = **B**|**E1**) = 1/2

1.a

Diagram

Description automatically generated

2.b

*P* (*X*1 = **R**|**E2**) =3/4

*P* (*X*1 = **G**|**E2**) =1/4

*P* (*X*1 = **B**|**E2**) = 0

2.a