**Summary:**

<EFOFEX>
id:fxe{02232c82-0b08-4833-85e2-a801a6ee80d5}
FXGP:DP-Y6M7V8N
FXData:

</EFOFEX>. Probability. Tree diagram, without replacement.

**Question:**

A box contains <EFOFEX>
id:fxe{7327c21a-acef-4bf1-adce-1fe8a62e8191}
FXGP:DP-Y6M7V8N
FXData:

</EFOFEX> socks. There are <EFOFEX>
id:fxe{49360556-f1a7-4a90-b5c8-d453398b229b}
FXGP:DP-Y6M7V8N
FXData:

</EFOFEX> green socks and <EFOFEX>
id:fxe{530aae3c-9570-4669-a529-b667a1b023a0}
FXGP:DP-Y6M7V8N
FXData:

</EFOFEX> blue socks in the box. Two socks are drawn at random, without replacement.

1. Complete this tree diagram.

<EFOFEX>
id:fxd{711611e0-321c-4f31-93ea-96b6e836dbdc}
FXGP:DP-Y6M7V8N
FXData:

</EFOFEX>

1. Use your completed tree diagram to calculate the probability that the two socks drawn from the box will be the same colour.

**Solution:**

<EFOFEX>
id:fxd{ff286784-fea6-4fc8-a92d-5257a758f6ee}
FXGP:DP-Y6M7V8N
FXData:

</EFOFEX>

1. <EFOFEX>
   id:fxe{71186fc7-fbe9-4932-882d-bf5814908ed2}
   FXGP:DP-Y6M7V8N
   FXData:

   </EFOFEX>