6 Box *A* contains 7 red balls and 1 blue ball. Box *B* contains 9 red balls and 5 blue balls. A ball is chosen at random from box *A* and placed in box *B*. A ball is then chosen at random from box *B*. The tree diagram below shows the possibilities for the colours of the balls chosen.

[3]

(a) Complete the tree diagram to show the probabilities.

Find the probability that the two balls chosen are not the same colour.	[2]
Find the probability that the ball chosen from $box A$ is blue given that the ball chosen is blue.	n from box <i>B</i>
	•••••••
	••••••