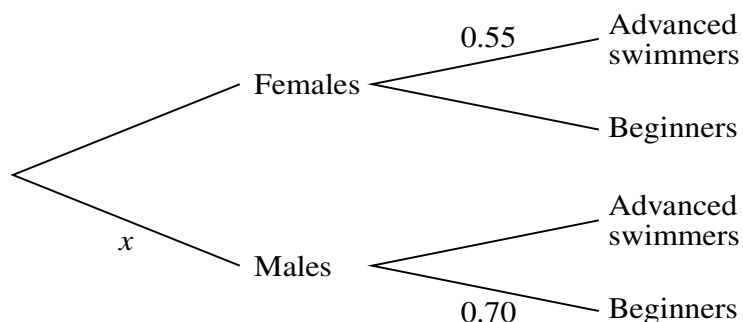


- 3 The members of a swimming club are classified either as 'Advanced swimmers' or 'Beginners'. The proportion of members who are male is  $x$ , and the proportion of males who are Beginners is 0.7. The proportion of females who are Advanced swimmers is 0.55. This information is shown in the tree diagram.



For a randomly chosen member, the probability of being an Advanced swimmer is the same as the probability of being a Beginner.

- (i) Find  $x$ . [3]

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- (ii) Given that a randomly chosen member is an Advanced swimmer, find the probability that the member is male. [3]

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