6	Sajid is practising for a long jump competition. He counts any jump that is longer than 6 m as a success.
	On any day, the probability that he has a success with his first jump is 0.2. For any subsequent jump,
	the probability of a success is 0.3 if the previous jump was a success and 0.1 otherwise. Sajid makes
	three jumps.

(a) Draw a tree diagram to illustrate this information, showing all the probabilities. [2]

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