1.A farmer uses an automated robot to plant seeds in the field.

(a) State what is meant by the robot being automated.

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(b) Give three characteristics of a robot.

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3 ................................................................................................................................................

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(c) The robot plants seeds and stops when it reaches a fence. It then turns and continues planting

seeds. The robot uses sensors and a microprocessor to know when it reaches a fence.

Explain how the robot uses sensors and a microprocessor to know it has reached a fence.

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(d) Give two advantages of the farmer using an automated robot to plant seeds.

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(e) Give two disadvantages of the farmer using an automated robot to plant seeds.

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(f) The robot is adapted to have machine learning capabilities.

Explain how this will improve the robot.

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