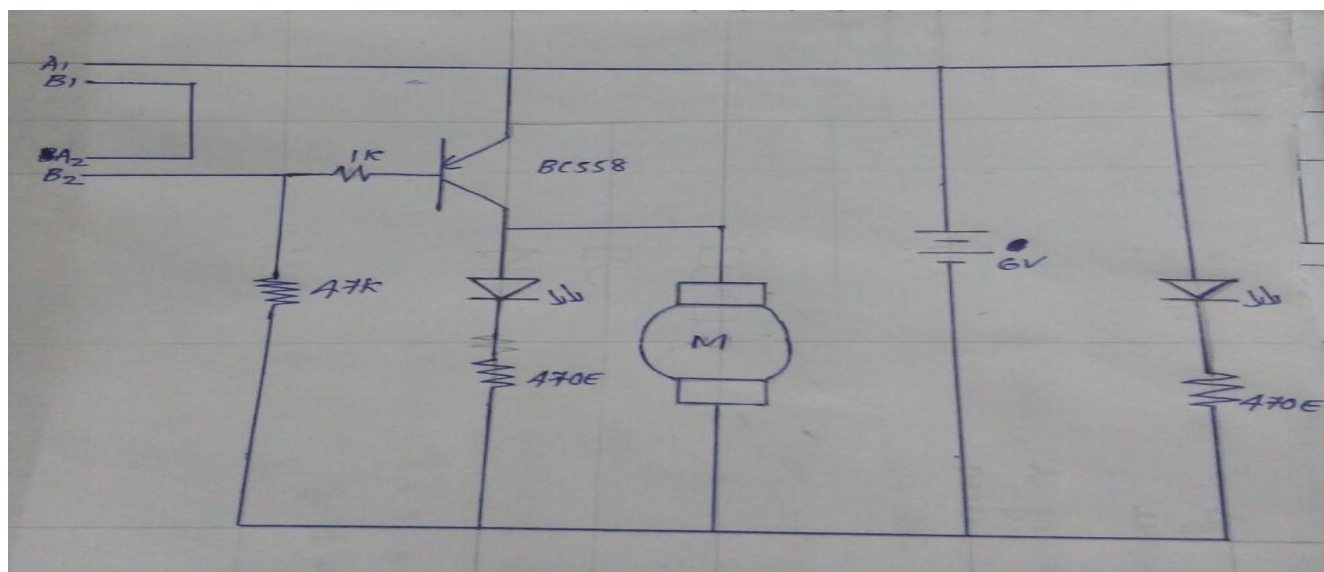
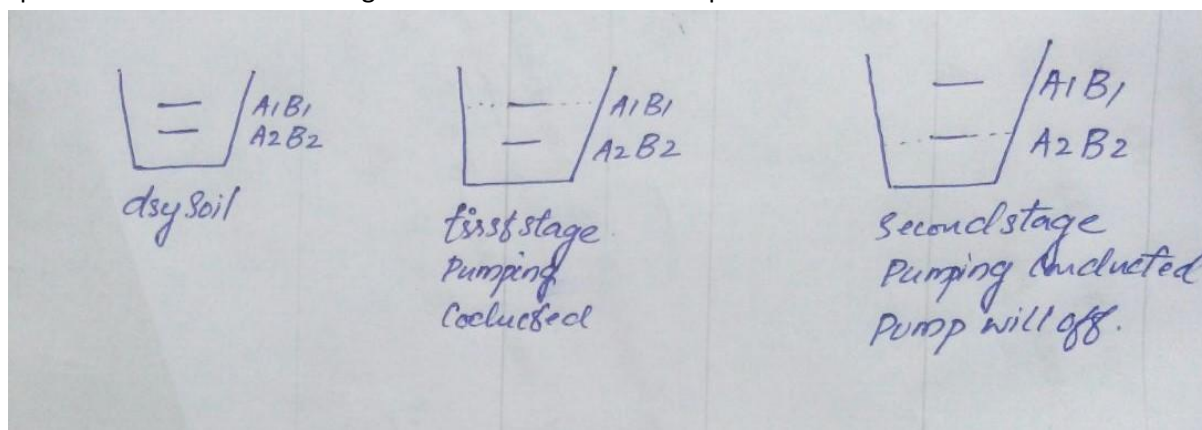


LOW COST IRRIGATION SYSTEM



It is a simple circuit which does not use any types of ICs or microprocessor. It works on common collector configuration. It works with help of 2 sensors, here sensors simply means two metal conductors which will conduct electricity when in contact with water, one would be kept in deep under the soil and other one at upper soil. The motor starts working after soil gets dried and first sensor will conduct, after continuous irrigation the water flows deep to the soil and second sensor will conduct then it will turn off the circuit and the motor stops working. In case of microprocessor irrigation system, it would be very costly and also it needs extra programming and it will become complex. So my irrigation system is the simplest form and cheap. This circuit is a proposed form of my irrigation system on my basis of knowledge, it's simply an innovative idea of mine, the accurate operation of this circuit is not guaranteed and I need more professional advice.



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