Classification of a scenario as a one- or multi-person situation using signals from pir-sensors

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* Study the issue of PIR sensors. Familiarize yourself with the algorithms for recognition and classification.
* Use the acquired informations to design the theoretical system, either a predefined fuzzy logic system, or an artificial learning system, that would use data from PIR sensors and scan the monitored situation, the count of present people etc.
* Implement the design, described above. Verify its functionality.
* Sum up the results you achieved and discuss the possibilities of application.