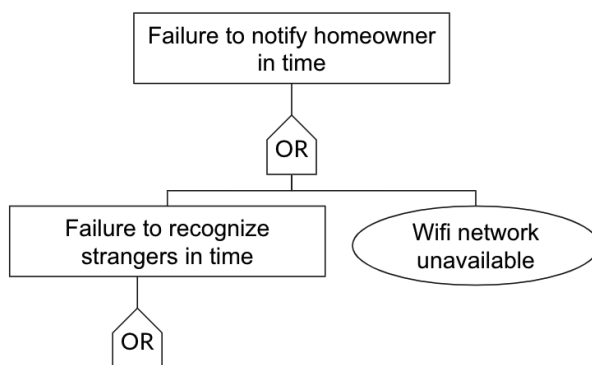**Context:** Consider a home assistant robot that is capable of moving around obstacles in a home on its own. It has many capabilities to help around with household chores, but also has the capability to alert the head of the household (by sending a notification to their phone) if it detects that a stranger has entered the house.[1]

Requirement: The homeowner must be contacted in time if a stranger is present in the house
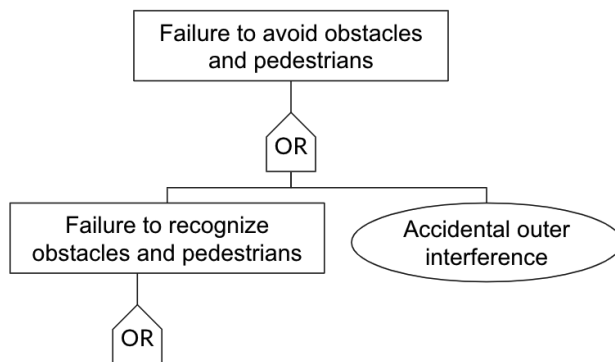
Complete the fault tree:

Context: Consider a delivery robot that is capable of delivering groceries for grocery stores like Trader Joe's and Aldi. It carries about the size of a full shopping cart, is battery powered (for up to 3h of operation before needing to recharge), has a detailed map of the sidewalks in the delivery range of the supermarket, has cameras in all directions and GPS sensors and can be remotely operated by a human operator when needed.[2]

Requirement: The robot must be able to avoid obstacles and pedestrians on the way.

Complete the fault tree: