

# Hendricks parking lot and sidewalk

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## Problem

- The parking lot and sidewalk flood
- The runoff areas aren't leveled correctly
- The water has to be a certain level before it drains into the drainage or even flows over downhill

## Data



Water → 

Runoff → 

## Constraints

- Money
- Time
- Materials
- People

## Solution 1

- Make a concrete barrier to force the water toward the drainage.
- Fix the runoff problems so it does not overflow the parking lot and sidewalks.

## Solution 2

- Lower the drainage systems.
- Put grates on the front of the drains so it is easier to clean when the eaves get stuck in them