

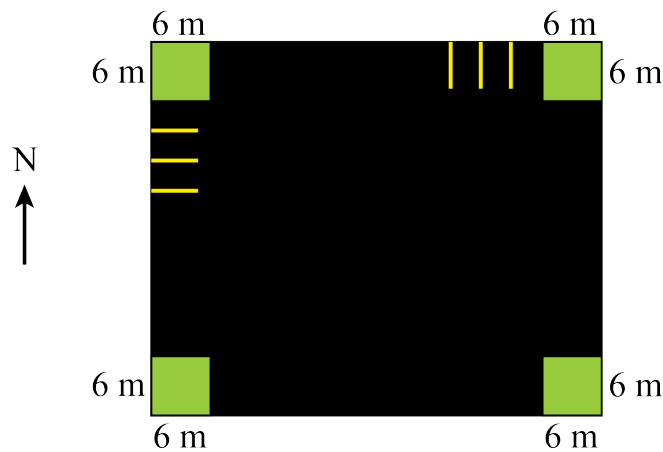


Problem of the Week

Problem B

Parking by Design

KalMart has a paved, rectangular parking lot with a 6 m by 6 m curbed garden in each corner. There are parking spots along the north and west sides of the parking lot. Some of the parking spots on the north and west sides are shown in the diagram.



Each parking spot is 2.5 m wide, and the lines separating the parking spots are 7.5 cm thick.

- There are 25 parking spots along the north side of the parking lot. What is the length, in metres, of the north side of the parking lot, including the gardens?
- There are 20 parking spots along the west side of the parking lot. What is the length, in metres, of the west side of the parking lot, including the gardens?
- What is the total area, in square metres, of the paved portion of the parking lot, excluding the gardens?