

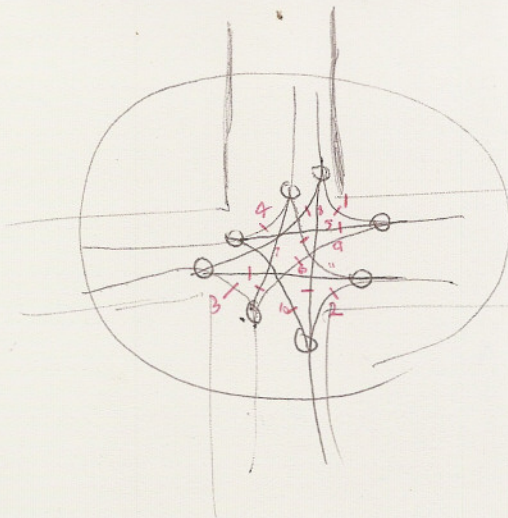
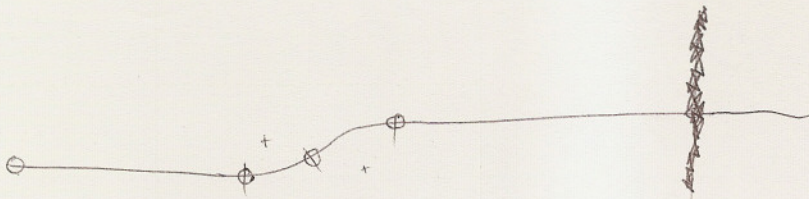
# Map representation

Represent road intersection

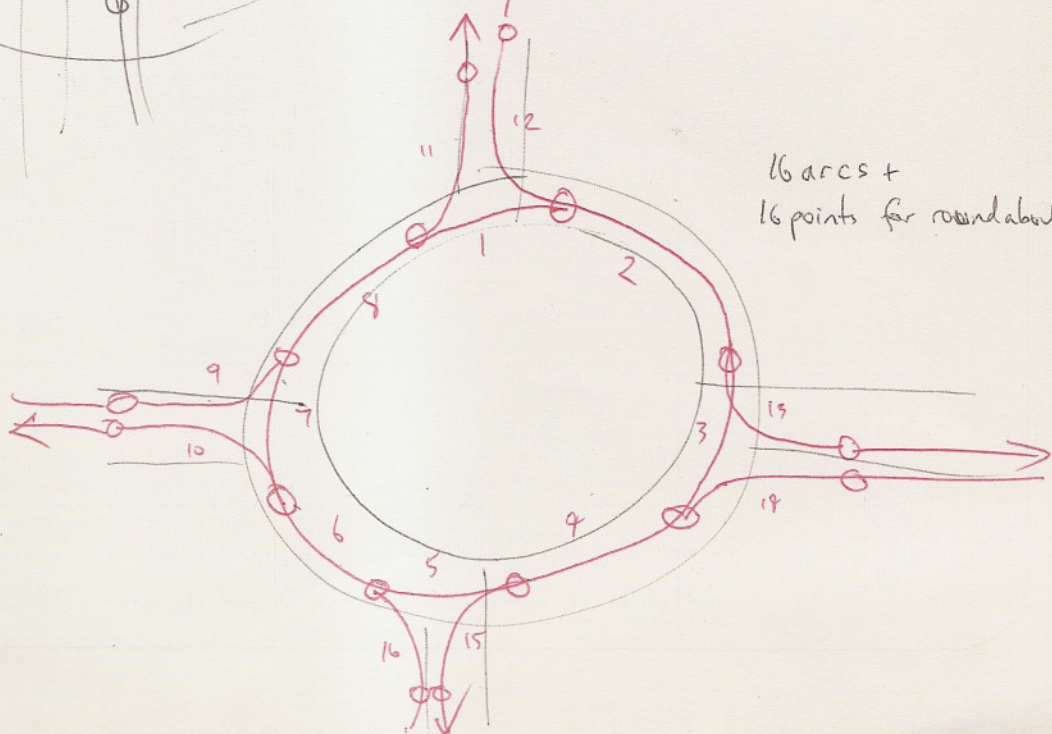
Point on road  $(x_{coord}, y_{coord})$  ~~rotation~~, ~~rotation~~, ~~rotation~~  $[text of arcs start/finishing at this point]$

~~xyz arc~~ straight  $(x, y, z \text{ vector}, \text{direction}, \text{distance between points}, \text{end1 point ptr}, \text{end2 point ptr})$

xyz arc circle  $(\text{end1 vector}, \text{end2 vector}, \text{direction}, \text{distance between points}, \text{centre } x \text{ coord}, \text{centre } y \text{ coord}, \text{centre } z \text{ coord.}, \text{end1 start point ptr}, \text{end2 start point ptr})$



12 arcs! + 8 points for intersection



16 arcs + 16 points for roundabout.