

# Topology



## Definition (pages 223–224 of text)

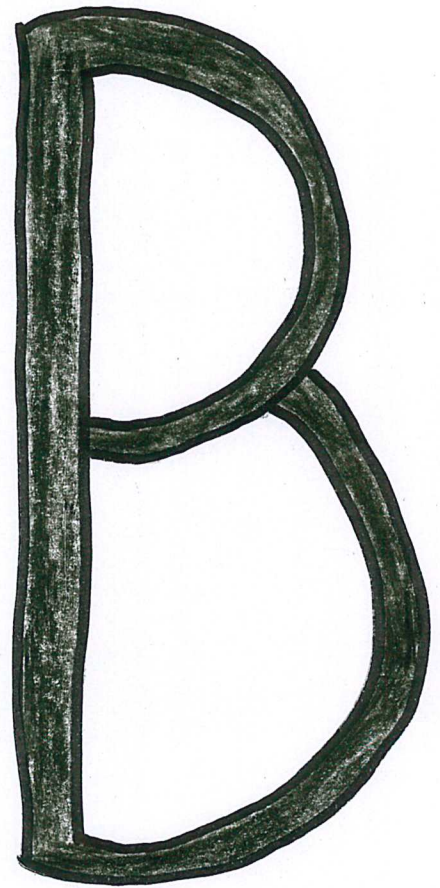
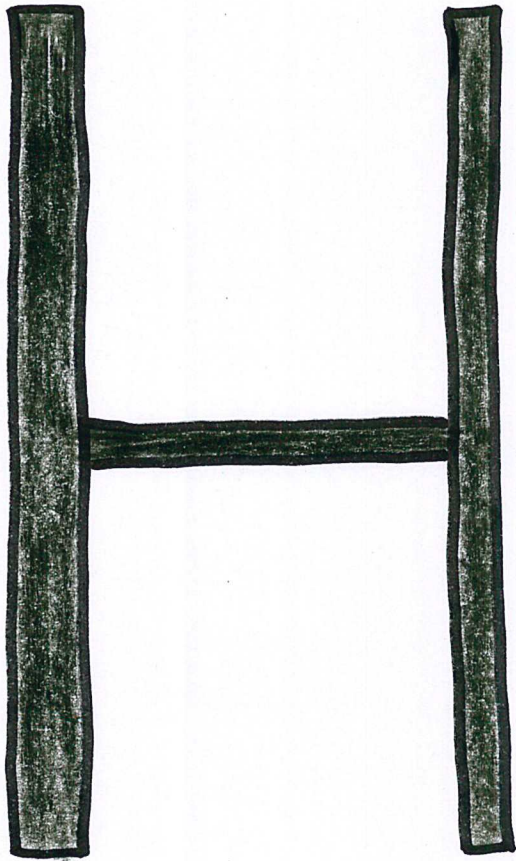
- Two spaces are **homotopic** if we can
  
- This deformation is called a

# Homotopic Example



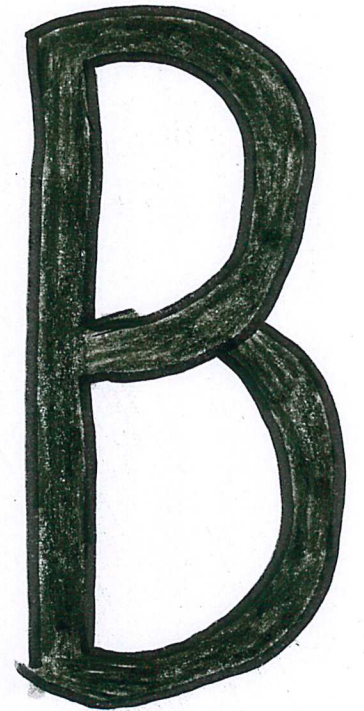
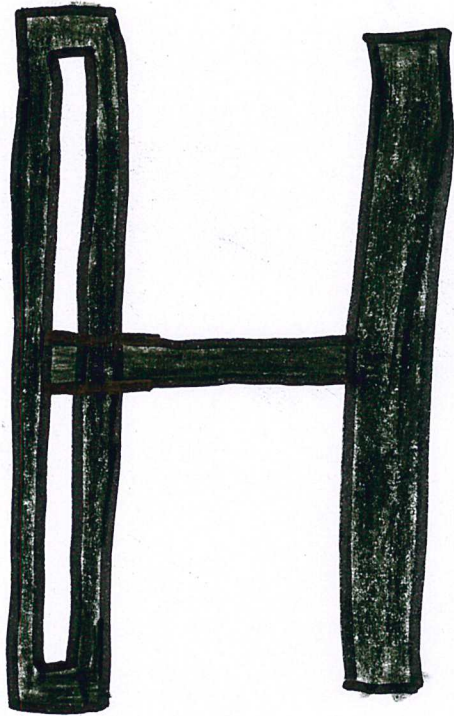
# Example

These are



# Example

These are

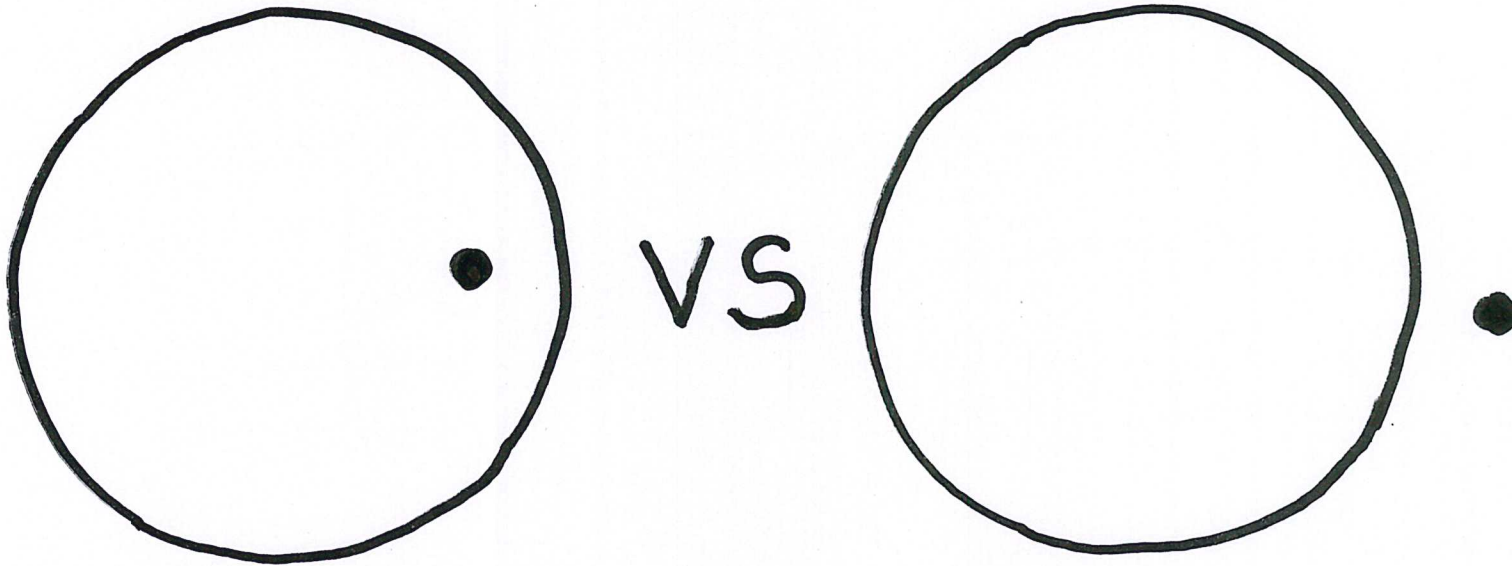


Sort the following into homotopic classes

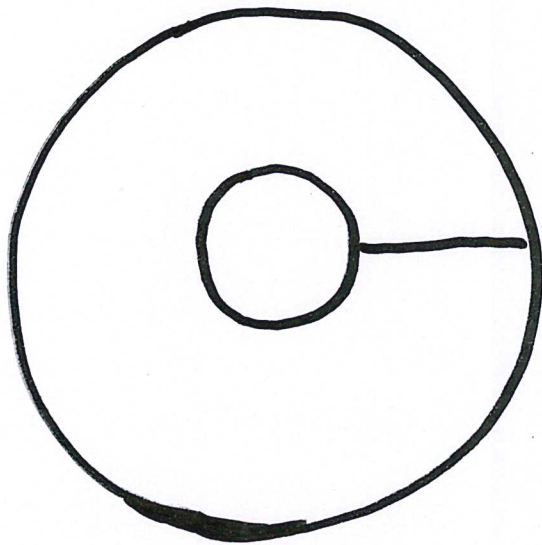
2 4 6 8

A B C D

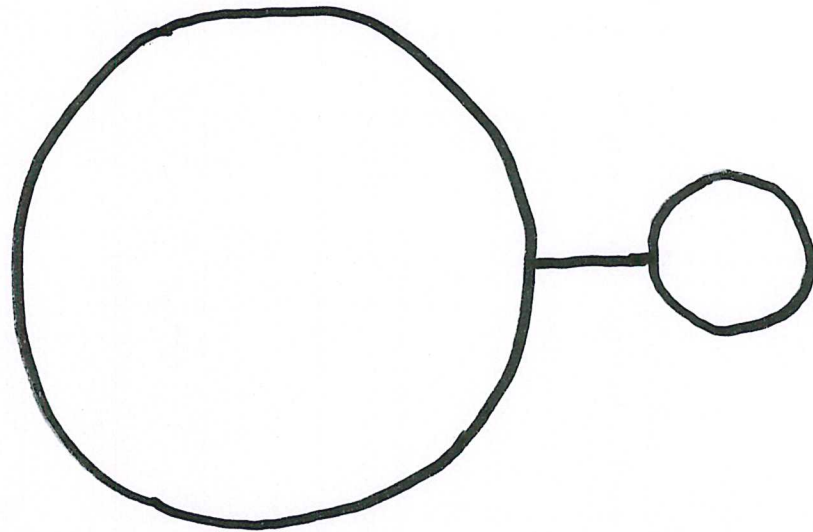
Example: Are these homotopic?



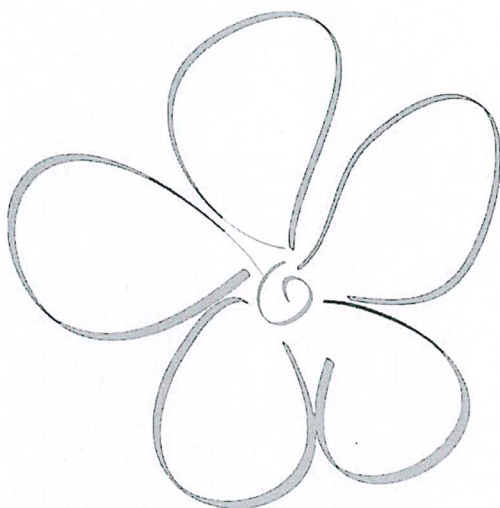
Example: Are these homotopic?



VS







QUESTIONS???