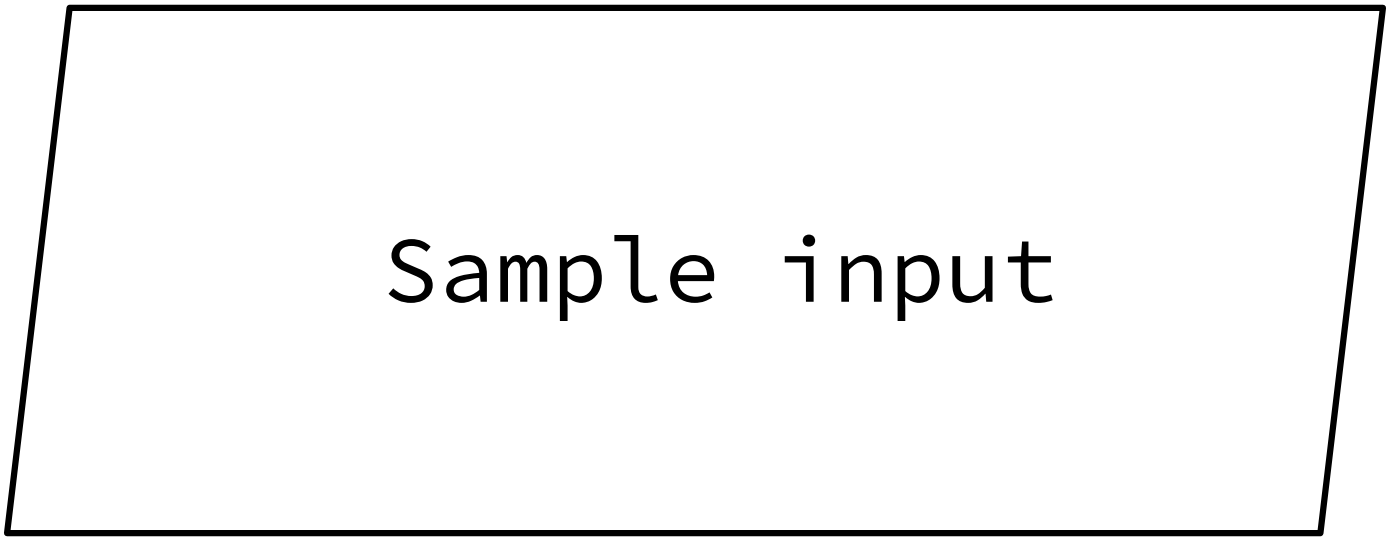

Sample input