**Problem Statement:** We are talking about three conservative families. Each family consisting of a husband and a wife (3x2=6 people in all). These families are at right side of a river and are to be taken to the left bank of the river observing following rules:

1.      Boat cant travel empty

2.      Boat can contain maximum of two passengers.

3. If and only if there is a man in one side, then each women has to have her husband on the same side.

4.      A female cant travel with other’s male and vice versa.

**Formulate this problem statement by forming the**

1. Data structure to represent state

**2.**      Start and Goal State

**3.**      Operators

**4.**      Pseducode