chess.java

```
import java.util.Scanner;
     public static void main(String[] args) {
           Scanner sc = new Scanner(System.in);
           System.out.println("Enter end indexes");
           int y2 = sc.nextInt();
int flag = 0;
          // The distance formula in geometry is ((y2-y1)^2 + (x2-x1)^2)^0.5

// The right distance needed to attack a piece is constant so just needs to be checked once.

double distance = Math.sqrt(Math.pow((y2 - y1), 2) + Math.pow((x2 - x1), 2));
                 System.out.println("King");
                 flag = 1;
                 System.out.println("Bishop");
                 System.out.println("Rook");
           if (y1 == y2 \&\& (x2 + 1 == x1)) {
           if (flag == 1) {
```