

```

// Row.java
/*
    Encapsulates the overall information
    for a single Frogger row.
*/

import java.util.StringTokenizer;

public class Row
{
    // Row types, returned by getType()
    public static final int ROAD = 0;
    public static final int WATER = 1;
    public static final int DIRT = 2;

    private int type;
    private int strike;
    private double density;

    public Row(String arguments)
    {
        int numArgs = 3;
        String [] tokens = new String[numArgs];
        StringTokenizer str = new StringTokenizer(arguments);
        int count = 0;

        while ( (count < numArgs) && str.hasMoreTokens() )
        {
            tokens[count] = str.nextToken();
            count++;
        }

        if ( tokens[0].compareToIgnoreCase("dirt") == 0 )
            type = DIRT;
        else if( tokens[0].compareToIgnoreCase("water") == 0 )
            type = WATER;
        else
            type = ROAD;

        if ( type != DIRT )
        {
            strike = Integer.parseInt(tokens[1]);
            density = Double.parseDouble(tokens[2]);
        }
    } // Row constructor
}

```

```
public int getType()
{
    return type;
}

public boolean isTurn(int round)
{
    return ( (type != DIRT) && (round % strike == 0) );
}

public boolean isAdd()
{
    double rand = Math.random();
    return ( (type != DIRT) && (rand < density) );
}
} // class Row
```