





IMPLEMENTATION IN AN INFINITE

**LINK TO THE PATH**

```
public static void main(String args[]) {  
    System.out.println(label(-35));  
}
```

Exception in thread "main" java.lang.IllegalArgumentException: not a valid direction



-35 est un Int valide mais pas une Direction valide : peut-on faire mieux ?



RunTimeError



MAGNET 2-DUALS - THOUGHTS

# LINK TO THE PATH

## IMPLÉMENTATION NAÏVE EN JAVA



```
public static void main(String args[]) {  
    System.out.println(label(-35));  
}
```

Runtime ERROR

Exception in thread "main" java.lang.IllegalArgumentException: not a valid direction

**-35 est un Int valid mais pas une Direction valide : peut-on faire mieux ?**

# LINK TO THE PATH

## UTILISATION DES ENUM EN JAVA



```
enum Direction { North, East, South, West }

public class Main {
    public static final String label(Direction d) {
        switch (d) {
            case North : return "north";
            case East : return "east";
            case South : return "south";
            case West : return "west";
        }
        throw new IllegalArgumentException("not a valid direction");
    }

    public static void main(String args[]) {
        System.out.println(label(Direction.East));
    }
}
```