Nasty Nested Choices: Dangling

The following Java code was intended to output "lo" if the percent p is less than 50, and output "hi" if it is greater than 90. Show, on the truth table, what it actually produces in all cases, and then code it properly in three different ways in Java.

```java
// s = "UnDefined";
if (p >= 50) {
  if (p > 90)
    s = "Hi ";
  else
    s = "Lo ";
}
System.out.println(s);
```

```java
// Proper bracket
if (p >= 50) {
  if (p > 90)
    s = "Hi ";
} // EndIf
else
  s = "Lo ";
System.out.println(s);
```

```java
// If-ElseIf nest
if (p < 50)
  s = "Lo ";
else
  if (p > 90)
    s = "Hi ";
System.out.println(s);
```

```java
// Series of Ifs
if (p < 50)
  s = "Lo ";
if (p > 90)
  s = "Hi ";
System.out.println(s);
```

It may be instructive to draw a flow block of each structure.