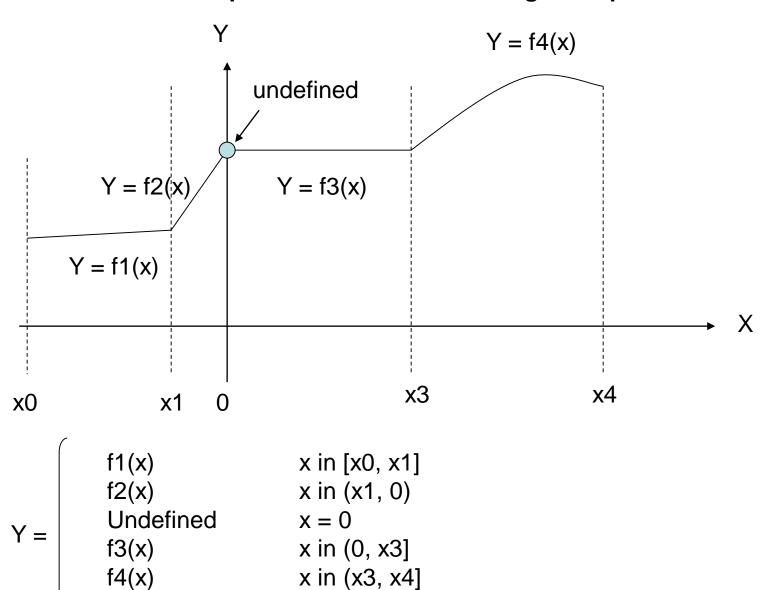
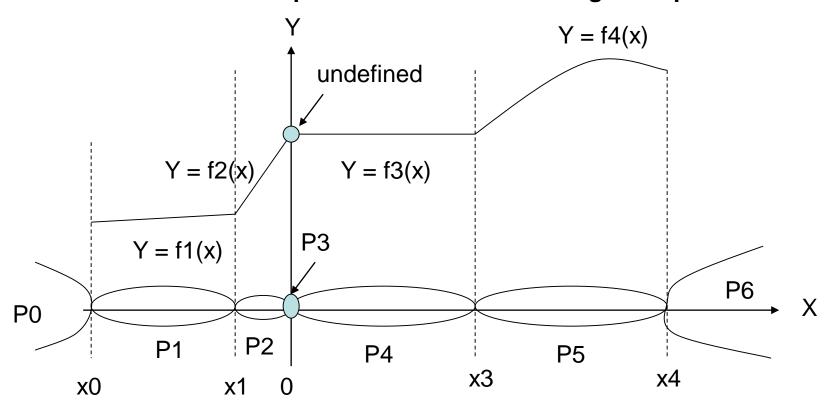
Equivalence Partition Testing Example

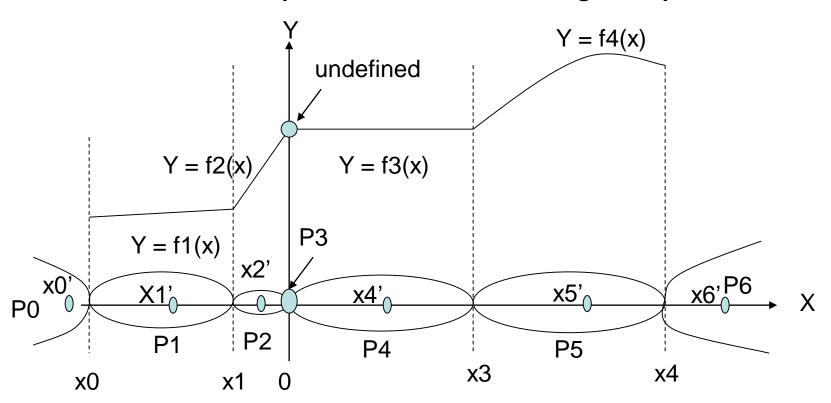


Equivalence Partition Testing Example



EQ Partitions: $\begin{array}{l}
 P0: x < x0 & \text{or } x \text{ in } (x0, \text{ Very Small No.}) \\
 P1: x \text{ in } [x0, x1] & \text{P2: } x \text{ in } (x1, 0) \\
 P3: x = 0 & \text{P4: } x \text{ in } (0, x3] & \text{P5: } x \text{ in } (x3, x4] \\
 P6: x > x4 & \text{or } x \text{ in } (x4, \text{ Very Larger No.})
 \end{array}$

Equivalence Partition Testing Example

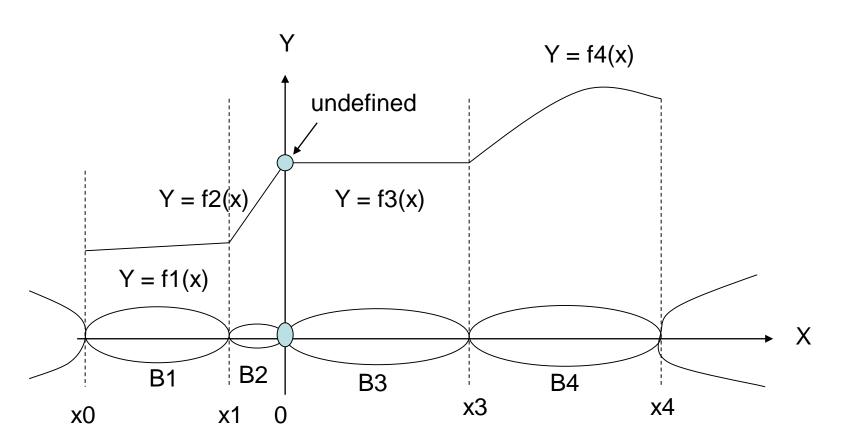


Test Cases for EQ Partitions:

$$x = x1', y = f1(x1') = y1'$$

 $x = x2', y = f2(x2') = y2'$
 $x = 0, y = 0$
 $x = x4', y = f3(x4') = y3'$
 $x = x5', y = f4(x5') = y4'$
 $x = x0', y = out of boundary$
 $x = x6', y = out of boundary$

Boundary Value Analysis Testing Example



Existing Boundaries:

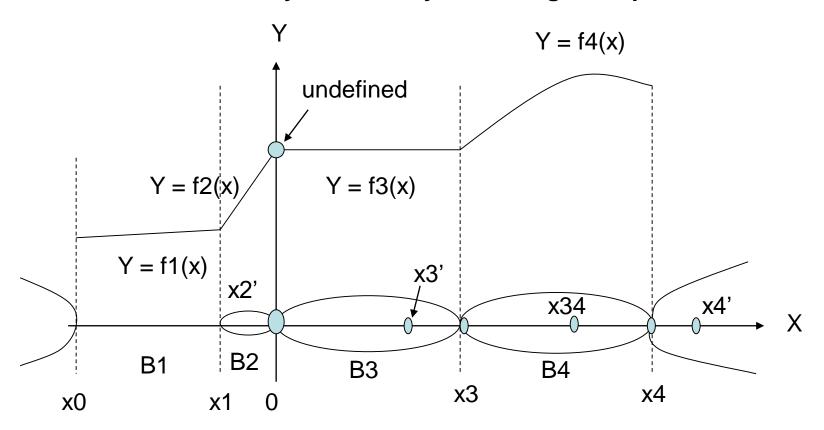
B1: x in [x0, x1]

B2: x in (x1, 0)

B3: x in (0, x3)

B4: x in [x3, x4]

Boundary Value Analysis Testing Example



Test Cases for Boundary #4:

```
x = x3', y = f3(x3'), check y = ?

x = x3, y = f4(x3), check y = ?

x = x34, y = f4(x34), check y = ?

x = x4, y = f4(x), check y = ?

x = x4, y = f4(x), check y = ?

x = x4', y = out of boundary
```