



```
fun foo(x) = {  
  var a := new array[int](3);  
  if(x > 4 and x <= 6){  
    print(a[x]);  
  }  
}
```

[5, 6] out of bounds for
array[0..3]

A static analysis warning is shown for the second code snippet. A light blue highlight is placed under the expression `a[x]` in the `print(a[x]);` statement. A wavy orange line points from this highlight to a grey box containing the text "[5, 6] out of bounds for array[0..3]". This indicates that the value of `x` at that point is outside the valid range of the array `a`, which has indices from 0 to 3.