

```
entry:  
  %rem = srem i32 %k, 2  
  %tobool = icmp ne i32 %rem, 0  
  br i1 %tobool, label %if.then, label %entry.if.end_crit_edge
```

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```
if.then:  
  %inc = add nsw i32 0, 1  
  br label %if.end
```

```
entry.if.end_crit_edge:  
  br label %if.end
```

```
if.end:  
  %i.0 = phi i32 [ %inc, %if.then ], [ 0, %entry.if.end_crit_edge ]  
  %and = and i32 %i.0, 1  
  ret i32 %and
```

CFG for '_Z3fooi' function