

Algorithm that applies weights to RED without  
using multiplication or division

```
if (packet color is red) {  
    tmin = red_tmin  
    tmax = red_tmax  
    delta = red_delta  
} else if (packet color is yellow) {  
    tmin = yellow_tmin  
    tmax = yellow_tmax  
    delta = yellow_delta  
} else {  
    tmin = green_tmin  
    tmax = green_tmax  
    delta = green_delta  
}  
invoke RED(tmin, tmax, delta)
```

**Figure 22.5** The tests that allow WRED to select parameters without using floating point arithmetic. The constants for each color (e.g., red\_tmin, red\_tmax, and red\_delta) are defined at compile time.