```powershell
1  # This script requires that
2  # 1. The Windows TFTP client is installed
3  # 2. That it be executed from the same directory as the firmware file to be ⮎
       uploaded (defined by $firmwareFile)
4
5  $firmwareFile = 'R8000-V1.0.4.18_10.1.49.chk'
6  $routerIp = '192.168.1.1'
7  $pingTimeout = 2000 # ping timeout in ms.
8  $connectionAttemptCount = 0
9  $uploadFailureCount = 0
10 $uploadSucceeded = $false
11 do # loop while the upload hasn't succeeded
12 {
13     $connectionAttemptCount++
14     Write-Host "Connection attempt $connectionAttemptCount. Failed upload attempts ⮎
           $uploadFailureCount."
15     # ping the router
16     $pingResult = & ping $routerIp -n 1 -w $pingTimeout 2>&1
17     # if the ping result contains a TTL=100, then immediately attempt TFTP upload
18     if ($pingResult[2] -like '*TTL=100*')
19     {
20         $uploadResponse = & tftp -i $routerIp put $firmwareFile 2>&1
21         # if the upload response is not an error, then declare success
22         if ($uploadResponse.GetType().Name -ne 'ErrorRecord')
23         {
24             $uploadSucceeded = $true
25         }
26         else
27         {
28             $uploadFailureCount++
29             $uploadSucceeded = $false
30         }
31         Write-Host $uploadResponse
32     }
33 } while ($uploadSucceeded -eq $false)
34 Write-Host "Upgrade succeeded after $connectionAttemptCount connection attempts, ⮎
       and $uploadFailureCount failed upload attempts."
```