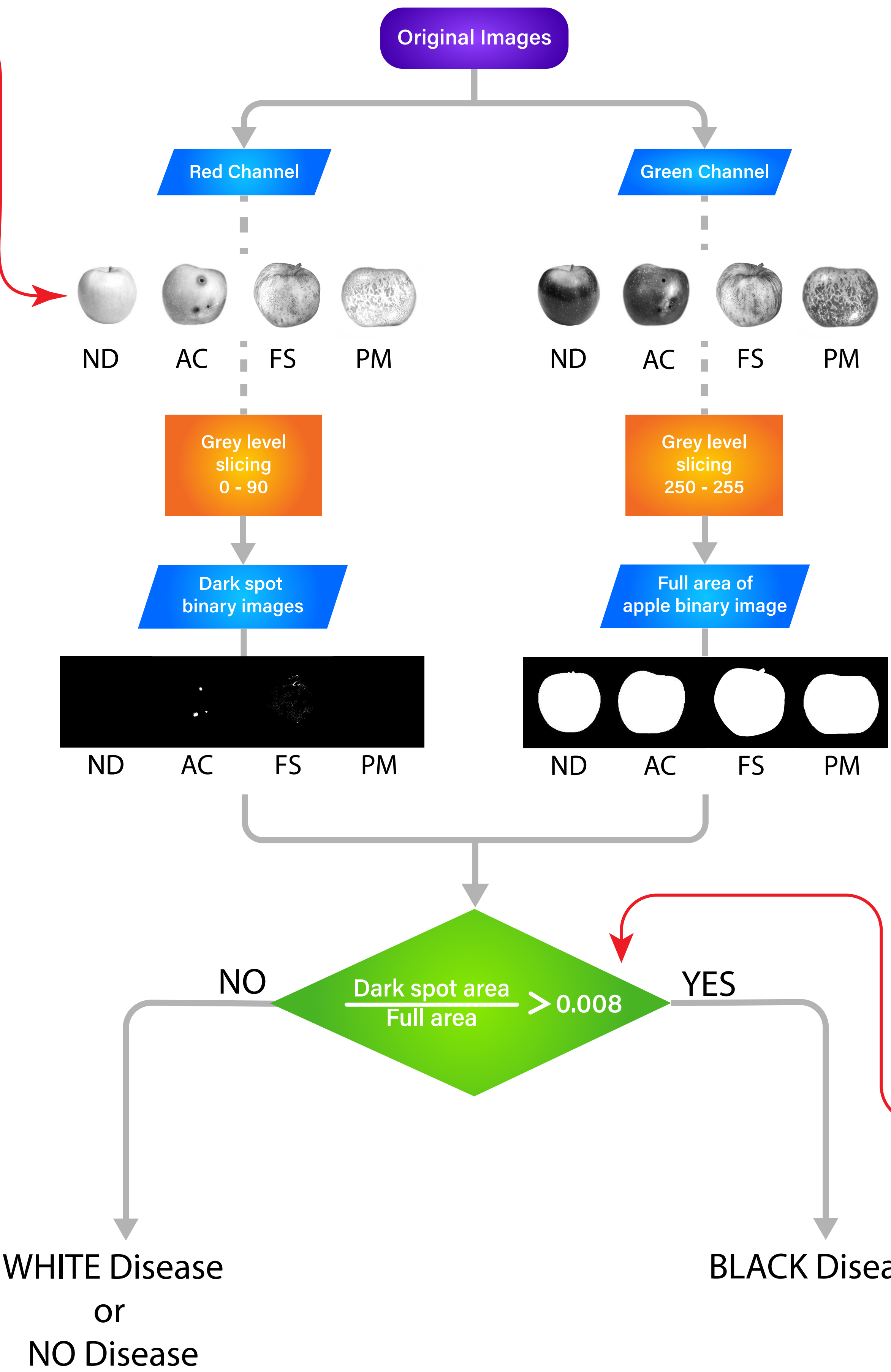


Separate the original image to it's Red channel component, to get the darker areas of the image.

Separate the original image to a Green channel, then use it to get the full area of the apple.

ND - no disease
AC - Apple cod
FS - Fly speck
PM - Powdery mildew



Get the ratio between those Dark areas and the full apple area, then determine if it contains more darker areas than usual.