Segmentation for Nuclear Shape Journal. Returns "final_binary", which consists of

1: Pause Object Logging()
2: New "Top Hat" = Morphological Top Hat([Current At Start], Area, Area=5000)
3: New "Low Pass" = Low Pass(Source Image = [Last Result], Kernel Width = 3, Kernel Height = 3)
4: Close([2: Morphological Top Hat])
5: New "Flatten Background" = Background and Shading Correction([Last Result], 20, Fluorescence)
6: Close([3: Low Pass])
7: New "Sobel" = Detect Edges([Last Result], SOBEL, 0)
8: Close([5: Background and Shading Correction])
9: New "Sharpen Medium" = Sharpen([Last Result], MEDIUM)
10: Close([7: Detect Edges])
11: Auto Threshold for Light Objects(Legacy heuristic algorithm)
12: New "Binary" = Binarize([Last Result]), high = current value, low = current value
13: Close([9: Sharpen])
14: Resume Object Logging()
15: New "Holes" = Fill Dark Holes([Last Result])
16: Close([12: Binary Operations])
17: New "Dilate_tunnels" = Dilate Image([Last Result], WITHCLOSING, 6, 1, DILATECLOSE)
18: Close([15: Morphological Holes])
19: New "Holes2" = Fill Dark Holes([Last Result])
20: Close([17: Dilate Image])
21: New "Erode" = Erode Image([Last Result], 2, 2, NOKEEPLAST)
22: Close([19: Morphological Holes])
23: New "final_binary" = Remove Single Pixels([Last Result])
24: Close([21: Erode Image])