F: We are seeing a failure of the algorithm here. As the cats are the path of minimum energy, the algorithm removes seams from the cats.
F: The blind resize, while maintain full content, ‘squishes’ the image, narrowing all the dimensions. The content aware resize worked successfully here. The removed seams that were unimportant, while preserving the main content of the image in the original aspect ratio.
F: Another example of a failure. Clearly, the blind resize worked better here. Since the fruits on the right hand side share similar color, the content aware resize decided that they were relatively unimportant. Similarly, the strong gradient between the person’s arm and the yellow fruit made the program decide to keep one and not the other. Unfortunately, it decided that the yellow fruit was more important than the person’s arm, and as a result, removed the arm.
F: Clearly a success. As is obvious from the images, the traditional resize definitely squished the image vertically in order to attempt to preserve all content. The content aware resize maintained (relatively) the aspect ratio of most of the content, such as the boat and the foreground leaves.
F: As is obvious from the images, the traditional resize shrunk everything, but maintained all the content. The content aware resize maintained the content size, but removed the trees to compensate for it.
It is clear from this image that blind resizing stretched the image out, giving the entire image a bit of a ‘fat’ feeling. By contrast, the content aware expansion maintained the aspect ratio of most parts of the image while still expanding it to the same dimensions as the blind resize.

image from Japanese Master Utagawa Hiroshige