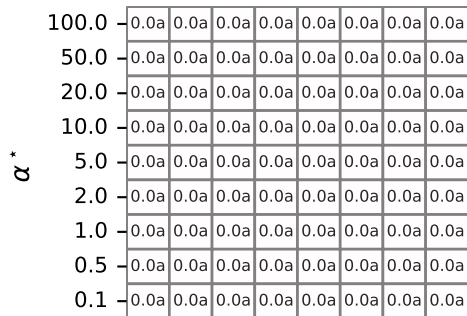
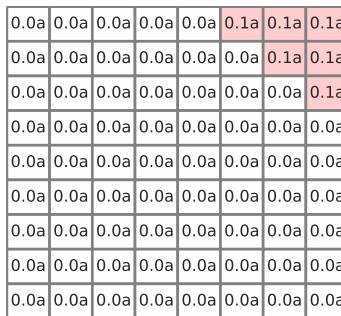


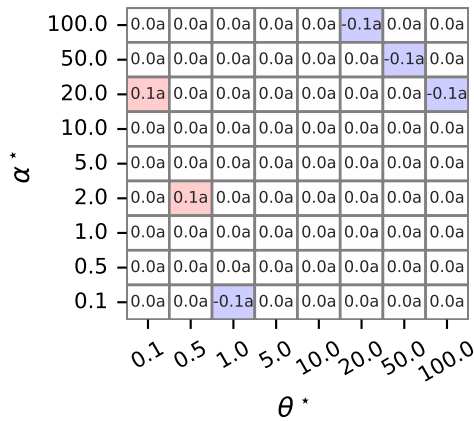
$$\phi^* = 0$$



$$\phi^* = \pi/2$$



$$\phi^* = \pi$$



$$\phi^* = 3\pi/2$$

