This dungeon has 49 cells. In 7 cells (A to G in the diagram) there is a locked door (black bar). The keys are in cells a to g respectively. The other doors open only from one side, as shown.

How does the prisoner in cell O escape? He can pass through any door any number of times and need not unlock the doors in any special order. His aim is to get the key from cell g and use it to escape through cell G.