**Description -**

**Solution-**

General solution for probability of the person does not die =

n-2Cb

nCb

where, n= number of chambers in Gun

b= number of bullets

for 30 chambers and 9 bullets it comes out to be= 14/29= 0.4827

for making probability much closer to 50% --

1st min no. of chambers =4 and respective number of bullets for it is 1 and the probability is = 1 / 2= 0.5

2nd min no. of chambers =14 and respective number of bullets for it is 4 and the probability is = 45/91= 0.4945