

Coding

```
flag <- array(9,0)

win_set <- data.frame(c(1,2,3),c(4,5,6),c(7,8,9),c(1,4,7),c(2,5,8),c(3,6,9),c(1,5,9),c(3,5,7))

flag[sample(1:9,1)]=1

rand_strategy <- function(){
  flag <- rep(0,9)
  players <- matrix(data=0,nrow = 5,ncol = 2)
  for(i in 1:9){
    play <- sample(1:9,1)
    while(flag[play]==1){
      play <- sample(1:9,1)
    }
    players[((i-1)/2+1),ifelse((i%2)==1,1,2)] = play;
    flag[play]=1;
  }
  players
}
```