Simple random sample

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code

```
x=c(rep(0,7),rep(1,93))
n=100000
ind=rep(0,n)
ptm=proc.time()
for(i in 1:n){
 ming=sample(x,50)
  if(min(ming)==0){ ind[i]=1 }
}
```

result

```
cat("simulated prob =",mean(ind))
## simulated prob = 0.99372
true_prob=1-choose(93,50)/choose(100,50)
cat("true prob =",true_prob)
## true prob = 0.9937602
cat("running time =", (proc.time()-ptm)["elapsed"],"s")
```