mat
#Make state 12 an absorbing State.
new mat<-mat[c(1,2,3,4,5,6,7,8,9,10,11),]
new mat<-new mat[,c(1,2,3,4,5,6,7,8,9,10,11)]
new mat
| I<-diag(11)
| F=inv(I-new mat)
| rsum(-c()
| for(i in 1:11) {rsum[i]=sum(F[i])}
| total number of steps to state 12 from state 1 to 11
| rsum ans<-rsum[1]\*5
| ans</pre>

#54108.4