e=2.7183

Coupon=C

Face value=F

The number of coupon payments=n

j=seq(0.5,n,by=0.5)

y=c(y(0.5),y(1),y(1.5),...,y(n))

P=sum(C\*e^-(y\*j))+F\*e^-(y(n)\*n)