FTL company has Av which is around 20000, in where Exposure factor is 4 hours. Annually percentage of happened occurrence is 50%.now, you need to calculate The single loss expectancy and ALE of this company.

\*\*SLE=Av\*EF(time)

Av=Asset value

EF=Exposure factor

SLE=20000\*4

=80000

\*\*ALE=SLE\*ARO

SLE=single loss expectancy

ARO=Annualized rate of occurrence

ALE=80000\*.5

=40000

A software farm which has ALE prior about 60000 and Estimated ALE has 30000.Annualizing cost of this farm about 10000.which value will be of CBA?

\*\*CBA= ALE(prior)-ALE(post)-ACS

ALE(prior)= Annualized rate of occurrence>of risk before implementation ALE(prior)=60000

ALE(post)=Estimated ALE based on after starting business ALE(post)=30000

ACS=Annualized cost of the safeguard ACS=10000

CBA=60000-30000-10000

=20000

ACS=cost of development, training fees, implementation