Pseudo Random Function

Define the function

Fla: 20,13" - 20,13" as

Fla(n,, n2, -- nn) = Conn (-- (on, (la)).).

Provable Secure:

Since, we already proved that Per PRG is provably secure in 21, so here

Fle (n,1x2 -- nn) = Gnin[--Gnz(Gn,(ke)))-)
800d

i.e. Fix (m, m, - mm) = (m, (seed) i.e. F itself is an output of PRG. So it is also provable secure.