```
           SND_B, RCV_B: channel (dy))
played_by A
def=

  local Ni, SA1, SA2, DHX: text,
        Nr: text,
        KEr: message, %% more spefic: exp(text,text)
        SK: message,
        State: nat,
        AUTH_B: message

  const sec_a_SK : protocol_id

  init  State := 0

  transition

  %% The IKE_SA_INIT exchange:
  1. State = 0  /\ RCV_B(start) =|>
     State':= 2 /\ SA1' :=tew(xp()1())-62455-14.446T20/\)-514(D)1'=0)
```

```
  authentication_on sk1
  %Bob authenticates Alice on sk2
  authentication_on sk2
end goal

_____________________________________________________________________________

environment()
```