


```

i      -> (a, 3) : x71
(a, 3) -> i      : {x71}i nv(pk_a)
i      -> (b, 3) : {x71}i nv(pk_a), f(pk_a)
(b, 3) -> i      : Nonce(4)
i      -> (a, 12): Nonce(4)
(a, 12) -> i     : {Nonce(4)}i nv(pk_a)
i      -> (b, 3) : {Nonce(4)}i nv(pk_a)

```

Further Notes

The protocol is so far only roughly described in natural language, and this file represents a verbatim translation to HLPSL as an "early prototype" and the AVISPA tool can identify a potential source for attacks which protocol designers should be aware of when implementing a protocol (see paragraph "Attacks"). A fixed version (with tagging the challenge before signing

%Alice authenticates Alice on msg
authentication_on msg