sed (A, B, pkB) == outnet A; in net y; new s; (outnet {/(s,r)|} pkp; | secret (s)) lear (A,B,SKB) == in netoe; new n; out net n; inn not 2; decrypt 2 is {/2,1}5KB; split 2, is (22, 23); if 23 = n the stop

P== new A, B, B; ! Send (A, B, Enc (B)) (. Reev (A, B, Dec (B))

assuming the parameters are given

## here, we have secrecy; since the message is excepted with bob's key, it can only be decrypted by bob (and hence not by the attacker)

Send = = nut net A; in net y; new s; out net {/(5,1)1) pkp;

Recor == in retæ; new n; out not n; inn not 2; decrypt 2 is {12,1}sko; split 2, is (22,23); if 23 = n the excet (x2) P=! Sed !! Recor

This time, we have an opposet process to the Hoder I work. This revocess will be working as follows:

0 == out net A; in net y; news; out net {18,4)}, pro; out nets;

Taking P 10, we can easily see that

P/0 = p/(Recv/0) - \* secret (5)) out nots ;/p

which clearly violates robust safety for severy.

since this is an error state.