Run #2
Bob in role A

A -> Bob
B -> Alice
S -> Alice

Fresh K#2, Na#2

send_1 to Alice
{ Bob,Alice,K#2,Na#2 }k(Bob,Alice)

Run #1
Bob in role B

A -> Bob
B -> Bob
S -> Alice

Fresh Nb#1

Var Ns1 -> Na#2
Var K -> K#2

fake sender Alice
redirect to Bob

recv_2 from Alice
{ Bob,Alice,K#2,Na#2 }k(Bob,Alice)

send_3 to Alice
{ { Bob }K#2,Bob,Nb#1 }k(Bob,Alice)

claim_B6
Niagree

[Id 11] Protocol wb, role B, claim type Niagree