1: $\Pi^+(S,P)$ assumption contradicting $\Sigma^-(S,P)$

 . . .

2: _B

 . . .

3: _B*

4: $\Sigma^-(S,P)$ 2,3

Provided:

 NTDISCHARGE $\Pi^+(S,P)$

Given

 $\Pi^-(P,S)$