

E^b is lowered note acting as $\hat{4}$
 E^{\natural} cancels out E^b , which means E^b represented a tonicization

F: I V^7/IV IV V_2^4 I^6 V_2^4 I V^7 I

B^{\natural} occurs 3 times and isn't canceled out, representing a modulation
 B^{\natural} is a raised note acting as $\hat{7}$

F: I vii_2^{04}/V V_5/V V_6 C: I_6^6 ii_6^6 I_4^6 V I

multiple secondary chords destabilize F major
 cadential formula affirms new key