Eine Woche, ein Beispiel 1.30 Tits system

For many time I want to understand Tits system, I always see the reference to Bourbaki's work. But I believe that the proof can be shown more

Notation.

W: Weyl gp of the Tits system
$$s \in S$$
: simple reflections $((\omega) := \min \{r \mid \omega = s, \dots s_r, s_i \in S\}$ length of $\omega \in W$

For example of Tits system, see wiki or [Prasad, Eg 1.4.3].