

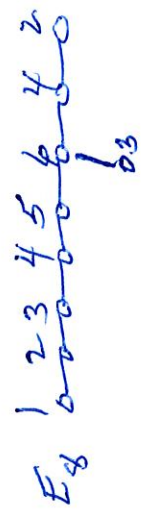
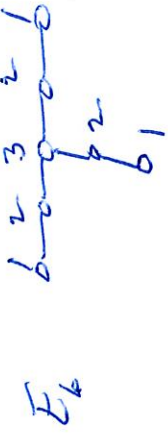
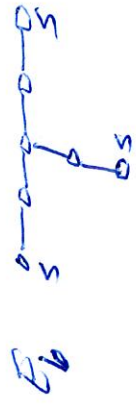
$$D_1 = \{ \pm \epsilon_i + r\delta \mid 1 \leq i \leq n, r \in \mathbb{Z} \} \quad D_2 = \{ \pm 2\epsilon_i + 2r \mid 1 \leq i \leq n, r \in \mathbb{Z} \}$$

$$D_3 = \{ \pm \epsilon_i + \frac{1}{2}(2r+1)\delta \mid 1 \leq i \leq n, r \in \mathbb{Z} \} \quad D_4 = \{ \pm 2\epsilon_i + 2r + 1 \mid 1 \leq i \leq n, r \in \mathbb{Z} \}$$

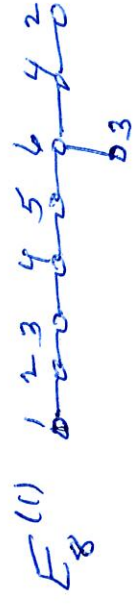
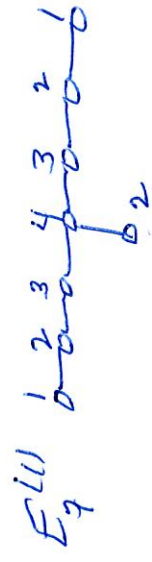
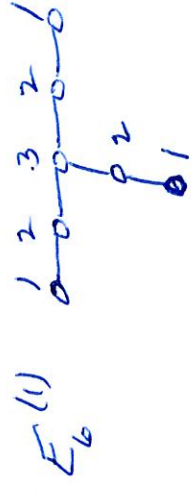
$$D_5^- = \{ \pm (\epsilon_i - \epsilon_j) + r\delta \mid 1 \leq i < j \leq n, r \in \mathbb{Z} \}$$

$$D_5^+ = \{ \pm (\epsilon_i + \epsilon_j) + r\delta \mid 1 \leq i < j \leq n, r \in \mathbb{Z} \}$$

Brunt-Fis p 29-30



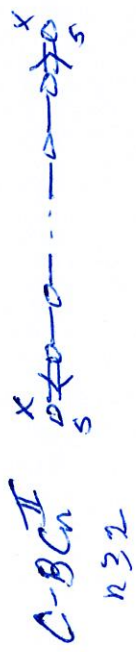
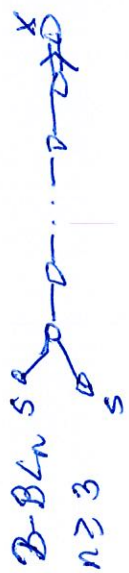
Kac p 54-55



exceptional reduced affine root systems.

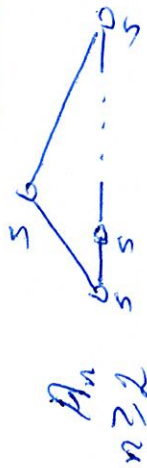
Bukat-Tits p 29-30

Macdonald p 10-11

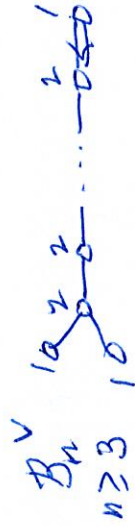
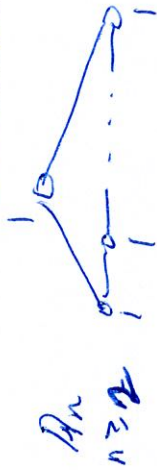


non-reduced affine root systems

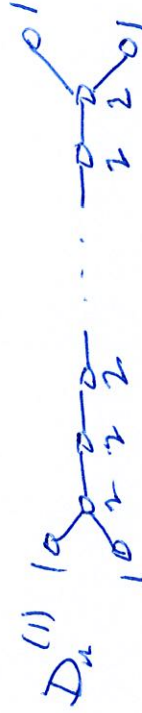
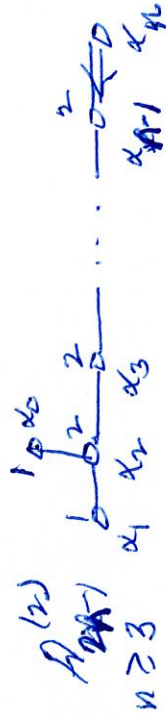
Brubaker-Tits p29-30



Mason-Davald p7-9



Kac p54-55



Classical reduced affine root systems.