coefficient of λ_i in the representation of α_0 relative to the fundamental weights is greater than 0. By Table 1 and Table 2 the simple root α is one of the following: B_l, $l \geq 3$, $\alpha_1 = 2\lambda_1 - \lambda_2$; B_3, $\alpha_3 = -\lambda_2 + 2\lambda_3$; D_l, $l \geq 4$, $\alpha_1 = 2\lambda_1 - \lambda_2$; D_4, $\alpha_3 = -\lambda_2 + 2\lambda_3$ or $\alpha_4 = -\lambda_2 + 2\lambda_4$. From this we obtain the following possibilities:

$$\begin{array}{cc} B_l, l \geq 3 & \lambda_1 \\ B_3 & \lambda_3 \\ D_l, l \geq 4 & \lambda_1 \\ D_4 & \lambda_3, \lambda_4 \end{array}$$

□