

The diagram illustrates the classification of Dynkin diagrams for rank 6. At the top level, there are three main branches originating from $E_6 - F_4(321)$:

- Left Branch:** Leads to $F_4(321)$, which further branches into $G_2(242)$ and $H_3(321)$.
- Middle Branch:** Leads to $F_4(4321)$, which branches into $G_2(242)$ and $H_3(321)$.
- Right Branch:** Leads to $F_4(4321)$, which branches into $G_2(242)$ and $H_3(321)$.

Each node in the diagram contains a Dynkin diagram with nodes colored blue or black. The bottom row lists 20 specific diagrams, each labeled with a unique identifier such as $5\text{-}WIN\text{-}6\text{-}5\text{-}4\text{-}3\text{-}2\text{-}1$ through $26\text{-}WIN\text{-}6\text{-}5\text{-}4\text{-}3\text{-}2\text{-}1$. These labels correspond to different configurations of the Dynkin diagrams shown above them.