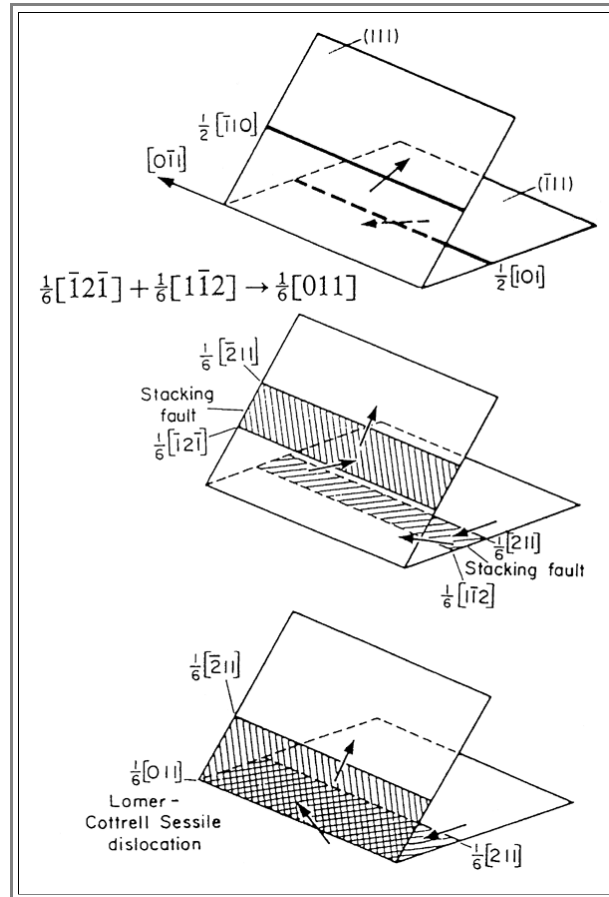


Reaction Forming a Stair-Rod Dislocation

- The following sequence of pictures (taken from ["Read and Hull"](#)) shows the formation of a Lomer-Cottrell dislocation.
- Two perfect dislocations on different $\{111\}$ planes split into **Shockley partials**, move until they meet, and react. The end end product of the reaction is a **stair-rod dislocation** with a **Lomer-Cottrell dislocation** at its apex.



Illustration