

$$\Lambda^2 \mathbb{E}_{d \rightarrow r}[\Delta] := \Lambda^2 \mathbb{E}_{d \rightarrow r}[\$k, \Delta];$$

$$\Lambda^2 \mathbb{E}_{d \rightarrow r}[\$k, \Delta] := \text{Module}[\{k\}, \mathbb{E}_{d \rightarrow r} @@ \text{Table}[\text{SeriesCoefficient}[\Delta, \{\epsilon, \theta, k\}], \{k, \theta, \$k\}]];$$