

**CF** [ $\mathbb{E} [\omega\_ , L\_ , Q\_ , P\_ ]$ ] := **Expand** /@ **Together** /@  
 $\mathbb{E} [\omega / . \mathbf{b}_{L\_} \Rightarrow \text{Log}[t_L], L, Q / . \mathbf{b}_{L\_} \Rightarrow \text{Log}[t_L],$   
 $P / . \mathbf{b}_{L\_} \Rightarrow \text{Log}[t_L]]$ ;

$\mathbb{E} /:$   $\mathbb{E} [\omega1\_ , L1\_ , Q1\_ , P1\_ ] \mathbb{E} [\omega2\_ , L2\_ , Q2\_ , P2\_ ] :=$   
**CF**@ $\mathbb{E} [\omega1 \omega2, L1 + L2, \omega2 Q1 + \omega1 Q2, \omega2^4 P1 + \omega1^4 P2]$ ;