

**CCF** [ $\mathcal{E}_-$ ] :=

**PP**<sub>CCF</sub>@ExpandDenominator@

ExpandNumerator@**PP**<sub>Together</sub>@Together [**PP**<sub>Exp</sub> [  
Expand [ $\mathcal{E}$ ] //.  $e^{x_-} e^{y_-} \rightarrow e^{x+y}$  /.  $e^{x_-} \rightarrow e^{\text{CCF}[x]}$  ] ]];

**CF** [ $\mathcal{E}_\text{List}$ ] := **CF** /@  $\mathcal{E}$ ;

**CF** [ $sd\_SeriesData$ ] := MapAt [**CF**,  $sd$ , 3];

**CF** [ $\mathcal{E}_-$ ] := **PP**<sub>CF</sub>@Module[

{**vs** = Cases [ $\mathcal{E}$ , ( $y$  |  $b$  |  $t$  |  $a$  |  $x$  |  $\eta$  |  $\beta$  |  $\tau$  |  $\alpha$  |  $\xi$ )\_,  $\infty$ ] U  
{ $y$ ,  $b$ ,  $t$ ,  $a$ ,  $x$ ,  $\eta$ ,  $\beta$ ,  $\tau$ ,  $\alpha$ ,  $\xi$ }},

Total[CoefficientRules[Expand [ $\mathcal{E}$ ], **vs**] /.

( $ps_- \rightarrow c_-$ )  $\rightarrow$  **CCF** [ $c$ ] (Times @@  $vs^{ps}$ ) ]

];

**CF** [ $\mathcal{E}_\mathbb{E}$ ] := **CF** /@  $\mathcal{E}$ ;

**CF** [ $\mathbb{E}_{sp\_}$  [ $\mathcal{ES}\_\_\_\_\_\_$ ]] := **CF** /@  $\mathbb{E}_{sp}$  [ $\mathcal{ES}$ ];