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\frac{2\,\mathrm{e}^{-\beta_b\,(h_1+z_p)\,\mathrm{i}}\,\mathrm{e}^{-\beta_b\,(h_2-z_p)\,\mathrm{i}}\,\left(\beta_b^{\,2}\,\mu_a\,\mu_c\,\mathrm{e}^{\beta_b\,(h_1+h_2)\,2\,\mathrm{i}}\,\mathrm{e}^{\beta_b\,(h_2-z_p)\,\mathrm{i}} + \beta_b^{\,2}\,\mu_a\,\mu_c\,\mathrm{e}^{\beta_b\,(h_1+h_2)\,\mathrm{i}}\,\mathrm{e}^{\beta_b\,(h_1+h_2)\,\mathrm{i}}\,\mathrm{e}^{\beta_b\,(h_1+z_p)\,\mathrm{i}} + \beta_b\,\beta_c\,\mu_a\,\mu_b\,\mathrm{e}^{\beta_b\,(h_1+h_2)\,2\,\mathrm{i}}\,\mathrm{e}^{\beta_b\,(h_1+h_2)\,\mathrm{i}}\,\mathrm{e}^{\beta_b\,(h_1+h_2)\,2\,\mathrm{i}}} \right)}{\beta_a\,\beta_b\,\mu_b\,\mu_c\,-\beta_b^{\,2}\,\mu_a\,\mu_c\,+\beta_a\,\beta_c\,\mu_b^{\,2}\,\mathrm{e}^{\beta_b\,(h_1+h_2)\,2\,\mathrm{i}} + \beta_b^{\,2}\,\mu_a\,\mu_c\,\mathrm{e}^{\beta_b\,(h_1+h_2)\,2\,\mathrm{i}} - \beta_a\,\beta_c\,\mu_b^{\,2} + \beta_b\,\beta_c\,\mu_a\,\mu_b\,+\beta_a\,\beta_b\,\mu_b\,\mu_c\,\mathrm{e}^{\beta_b\,(h_1+h_2)\,2\,\mathrm{i}} + \beta_b\,\beta_c\,\mu_a\,\mu_b\,\mathrm{e}^{\beta_b\,(h_1+h_2)\,2\,\mathrm{i}} + \beta_b\,\mu_a\,\mathrm{e}^{\beta_b\,(h_1+h_2)\,2\,\mathrm{i}} + \beta_b\,\mu_a\,\mathrm{e}^{\beta_b\,(h_1+h_2)\,2\,
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 $2\,\beta_{b}\,\mu_{c}\,\mathrm{e}^{\beta_{b}\,(h_{1}+h_{2})\,\mathrm{i}}\,\mathrm{e}^{-\beta_{b}\,(h_{1}+z_{p})\,\mathrm{i}}\,\mathrm{e}^{-\beta_{b}\,(h_{2}-z_{p})\,\mathrm{i}}\,\left(-\beta_{a}\,\mu_{b}\,\mathrm{e}^{\beta_{b}\,(h_{2}-z_{p})\,\mathrm{i}} + \beta_{b}\,\mu_{a}\,\mathrm{e}^{\beta_{b}\,(h_{2}-z_{p})\,\mathrm{i}} + \beta_{a}\,\mu_{b}\,\mathrm{e}^{\beta_{b}\,(h_{1}+h_{2})\,\mathrm{i}}\,\mathrm{e}^{\beta_{b}\,(h_{1}+z_{p})\,\mathrm{i}} + \beta_{b}\,\mu_{a}\,\mathrm{e}^{\beta_{b}\,(h_{1}+z_{p})\,\mathrm{i}} + \beta_{b}\,\mu_{a}$

 $\overline{\beta_{a}\,\beta_{b}\,\mu_{b}\,\mu_{c} - \beta_{b}^{\,\,2}\,\mu_{a}\,\mu_{c} + \beta_{a}\,\beta_{c}\,\mu_{b}^{\,\,2}\,e^{\beta_{b}\,(h_{1} + h_{2})\,2\,\mathbf{i}} + \beta_{b}^{\,\,2}\,\mu_{a}\,\mu_{c}\,e^{\beta_{b}\,(h_{1} + h_{2})\,2\,\mathbf{i}} - \beta_{a}\,\beta_{c}\,\mu_{b}^{\,\,2} + \beta_{b}\,\beta_{c}\,\mu_{a}\,\mu_{b} + \beta_{a}\,\beta_{b}\,\mu_{b}\,\mu_{c}\,e^{\beta_{b}\,(h_{1} + h_{2})\,2\,\mathbf{i}} + \beta_{b}\,\beta_{c}\,\mu_{a}\,\mu_{b}\,e^{\beta_{b}\,(h_{1} + h_{2})\,2\,\mathbf{i}}}$

(1)

(2)

(3)

(4)