$E_{L1} - \frac{\alpha\beta\sqrt{x_1^2 + y_1^2 + z_1^2}}{\left(\beta\sqrt{(x_1 - x_2)^2 + (y_1 - y_2)^2 + (z_1 - z_2)^2} + 1}\right)^2 + \frac{\alpha\beta(x_1x_2 + y_1y_2 + z_1z_2)}{\left(\beta\sqrt{(x_1 - x_2)^2 + (y_1 - y_2)^2 + (z_1 - z_2)^2} + 1}\right)^2 + \frac{\alpha\beta(x_1x_2 + y_1y_2 + z_1z_2)}{\left(\beta\sqrt{(x_1 - x_2)^2 + (y_1 - y_2)^2 + (z_1 - z_2)^2} + 1}\right)^2 + \frac{\alpha\beta(x_1x_2 + y_1y_2 + z_1z_2)}{\left(\beta\sqrt{(x_1 - x_2)^2 + (y_1 - y_2)^2 + (z_1 - z_2)^2} + 1}\right)^2 + \frac{\alpha\beta(x_1x_2 + y_1y_2 + z_1z_2)}{\left(\beta\sqrt{(x_1 - x_2)^2 + (y_1 - y_2)^2 + (z_1 - z_2)^2} + 1}\right)^2 + \frac{\alpha\beta(x_1x_2 + y_1y_2 + z_1z_2)}{\left(\beta\sqrt{(x_1 - x_2)^2 + (y_1 - y_2)^2 + (z_1 - z_2)^2} + 1}\right)^2 + \frac{\alpha\beta(x_1x_2 + y_1y_2 + z_1z_2)}{\left(\beta\sqrt{(x_1 - x_2)^2 + (y_1 - y_2)^2 + (z_1 - z_2)^2} + 1}\right)^2 + \frac{\beta(x_1x_2 + y_1y_2 + z_1z_2)}{\left(\beta\sqrt{(x_1 - x_2)^2 + (y_1 - y_2)^2 + (z_1 - z_2)^2} + 1}\right)^2 + \frac{\beta(x_1x_2 + y_1y_2 + z_1z_2)}{\left(\beta\sqrt{(x_1 - x_2)^2 + (y_1 - y_2)^2 + (z_1 - z_2)^2} + 1}\right)^2 + \frac{\beta(x_1x_2 + y_1y_2 + z_1z_2)}{\left(\beta\sqrt{(x_1 - x_2)^2 + (y_1 - y_2)^2 + (z_1 - z_2)^2} + 1}\right)^2 + \frac{\beta(x_1x_2 + y_1y_2 + z_1z_2)}{\left(\beta\sqrt{(x_1 - x_2)^2 + (y_1 - y_2)^2 + (z_1 - z_2)^2} + 1}\right)^2 + \frac{\beta(x_1x_2 + y_1y_2 + z_1z_2)}{\left(\beta\sqrt{(x_1 - x_2)^2 + (y_1 - y_2)^2 + (z_1 - z_2)^2} + 1}\right)^2 + \frac{\beta(x_1x_2 + y_1y_2 + z_1z_2)}{\left(\beta\sqrt{(x_1 - x_2)^2 + (y_1 - y_2)^2 + (z_1 - z_2)^2} + 1}\right)^2 + \frac{\beta(x_1x_2 + y_1y_2 + z_1z_2)}{\left(\beta\sqrt{(x_1 - x_2)^2 + (y_1 - y_2)^2 + (z_1 - z_2)^2} + 1}\right)^2 + \frac{\beta(x_1x_2 + y_1y_2 + z_1z_2)}{\left(\beta\sqrt{(x_1 - x_2)^2 + (y_1 - y_2)^2 + (z_1 - z_2)^2} + 1}\right)^2 + \frac{\beta(x_1x_2 + y_1y_2 + z_1z_2)}{\left(\beta\sqrt{(x_1 - x_2)^2 + (y_1 - y_2)^2 + (z_1 - z_2)^2} + 1}\right)^2 + \frac{\beta(x_1x_2 + y_1y_2 + z_1z_2)}{\left(\beta\sqrt{(x_1 - x_2)^2 + (y_1 - y_2)^2 + (z_1 - z_2)^2} + 1}\right)^2 + \frac{\beta(x_1x_2 + y_1y_2 + z_1z_2)}{\left(\beta\sqrt{(x_1 - x_2)^2 + (y_1 - y_2)^2 + (z_1 - z_2)^2} + 1}\right)^2 + \frac{\beta(x_1x_2 + y_1y_2 + z_1z_2)}{\left(\beta\sqrt{(x_1 - x_2)^2 + (y_1 - y_2)^2 + (z_1 - z_2)^2} + 1}\right)^2 + \frac{\beta(x_1x_2 + y_1y_2 + z_1z_2)}{\left(\beta\sqrt{(x_1 - x_2)^2 + (y_1 - y_2)^2 + (z_1 - z_2)^2} + 1}\right)^2 + \frac{\beta(x_1x_2 + y_1y_2 + z_1z_2)}{\left(\beta\sqrt{(x_1 - x_2)^2 + (y_1 - y_2)^2 + (z_1 - z_2)^2} + 1}\right)^2 + \frac{\beta(x_1x_2 + y_1y_2 + z_1z_2)}{\left(\beta\sqrt{(x_1 - x_2)^2 + (y_1$