Amed Bila [19

0)
$$e^{(x_2)} = N(p_1, z_{11}) = N([0], [6], [6], [8])$$

6) $e^{(x_2)} = N(p_2, z_{22}) = N(5, 14)$
We know that $e^{(x_1 | x_2)} = N(p_{112}, z_{112})$ as saw tolor while $z_{112} = y_1 + z_{12}z_{12}^{-1}(x_2 - y_1) = \frac{1}{14}[\frac{9}{11}](x_2 - 5)$
 $z_{12} = z_{11} - z_{12}z_{22}^{-1}z_{21} = [\frac{6}{8}\frac{8}{13}] - \frac{1}{14}[\frac{5}{11}](s_{11})$
 $z_{12} = y_{12} + z_{12}z_{11}^{-1}(x_1 - y_1) = 5 + [\frac{5}{11}][\frac{6}{8}\frac{8}{13}](s_1, y_1)$
 $z_{11} = z_{12} + z_{12}z_{11}^{-1}(x_1 - y_1) = 5 + [\frac{5}{11}][\frac{6}{8}\frac{8}{13}](s_1, y_1)$
 $z_{11} = z_{12} - z_{11}z_{11}^{-1}(x_1 - y_1) = 5 + [\frac{5}{11}][\frac{6}{8}\frac{8}{13}](s_1, y_1)$
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Tw11 = X7 (N-y)+ XW