

Life Contingencies, page 10: $\text{Prob}[t > 80 | t > 70] = S(\mathbf{80})/S(\mathbf{70})$.

Statistical Learning, p.152, sol. 7.4: $Z_2 = \{(4)(-5) + (-2)(3) + (0)(-2) + (-6)(-7) + (-5)(\mathbf{8})\}/9 = -24/9$.

$\hat{Y} = 5 + (7)(29/9) - (4)(-24/9) = \mathbf{38.2}$.