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$$E(X, Y | Y \geq 1) = 1(-1)\left(\frac{1}{3}\right) + 1(1)(.25) + 2(-1)(.25)$$
$$= -0.5833$$

$$\text{cov}(X, Y | Y \geq 1) = -0.5833 - \left(-\frac{1}{3}\right)(1.4166)$$
$$= \underline{\underline{-0.111}}$$

07.18.2014 10:08a

7/18/14, 3:07 AM, 1m 35s

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