In [8]:

*#* 연습문제 *11 p215*

**from** scipy.stats **import** chi2

n **=** [31]

sigma2 **=** [5]

alpha **=** [0.10, 0.95]

dof **=** n[0] **-** 1

upper\_bound **=** chi2**.**ppf(1 **-** alpha[0], dof)

C **=** upper\_bound **\*** sigma2[0] **/** dof print(f"P(S^2 <= C)=0.90 , C : {round((C), 2)}")

upper\_bound2 **=** chi2**.**ppf(1 **-** alpha[1], dof)

C **=** upper\_bound2 **\*** sigma2[0] **/** dof print(f"P(S^2 <= C)=0.95 , C : {round((C), 2)}")

P(S^2 <= C)=0.90 , C : 6.71

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P(S^2 <= C)=0.95 , C : 3.08