

Problem of the Week-4

Posting Date 3/17/03. Submit solutions to Noah Aydin, RBH 309-A (e-mail or hard-copy) by 4 pm on 3/28.

Determine the limit.

$$\lim_{n \rightarrow \infty} \sum_{i=0}^n \sum_{j=0}^{n-i} \frac{x^j}{i!j!}$$

Show your work.