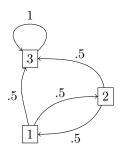
Obtain:

$$\int e^x \cos(x)$$

Obtain:

$$\lim_{x \to 1} \frac{x^4 - 1}{x^2 - 1}$$

What is the long run stationary distribution of the following discrete time Markov chain:



Minimize: 4x + 12y subject to:

$$x \ge 0$$

$$y \ge 0$$

$$5x - y \ge 2$$

$$x + 2y \le 1$$