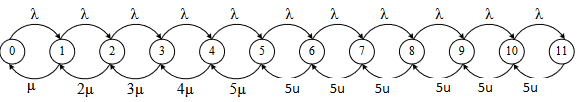
Задание 2

2, 3 – распечатка не нужна

Формула, подстановка, результат

Условие нормировки

на графе без v



Cистема дифференциальных уравнений Колмогорова

dP0/dt **= (-λ) p0 + μ p1** + 0p2 + 0p3 + 0p4 + 0p5 + 0p6 + 0p7 + 0p8 + 0p9 + 0p10 + 0p11

dP1/dt = **λ p0 - (λ + μ) p1 + 2μ p2** + 0p3 + 0p4 + 0p5 + 0p6 + 0p7 + 0p8 + 0p9 + 0p10 + 0p11

dP2/dt = 0p0 **+ λ p1 - (λ + 2μ) p2 + 3μ p3** + 0p4 + 0p5 + 0p6 + 0p7 + 0p8 + 0p9 + 0p10 + 0p11

dP3/dt = 0p0 + 0p1 **+ λ p2 - (λ + 3μ) p3 + 4μ p4** + 0p5 + 0p6 + 0p7 + 0p8 + 0p9 + 0p10 + 0p11

dP4/dt = 0p0 + 0p1 + 0p2 **+ λ p3 - (λ + 4μ) p4 + 5μ p5** + 0p6 + 0p7 + 0p8 + 0p9 + 0p10 + 0p11

dP5/dt = 0p0 + 0p1 + 0p2 + 0p3 **+ λ p4 - (λ + 5μ) p5 + 5μ p6** + 0p7 + 0p8 + 0p9 + 0p10 + 0p11

dP6/dt = 0p0 + 0p1 + 0p2 + 0p3 + 0p4 **+ λ p5 - (λ + 5μ) p6 + 5μ p7** + 0p8 + 0p9 + 0p10 + 0p11

dP7/dt = 0p0 + 0p1 + 0p2 + 0p3 + 0p4 + 0p5 **+ λ p6 - (λ + 5μ) p7 + 5μ p8** + 0p9 + 0p10 + 0p11

dP8/dt = 0p0 + 0p1 + 0p2 + 0p3 + 0p4 + 0p5 + 0p6 **+ λ p7 - (λ + 5μ) p8 + 5μ p9** + 0p10 + 0p11

dP9/dt = 0p0 + 0p1 + 0p2 + 0p3 + 0p4 + 0p5 + 0p6 + 0p7 **+ λ p8 - (λ + 5μ) p9 + 5μ p10** + 0p11

dP10/dt = 0p0 +0p1 + 0p2 + 0p3 + 0p4 + 0p5 + 0p6 + 0p7 + 0p8 **+ λ p9 - (λ + 5μ) p10 + 5μ p11**

dP11/dt = 0p0 + 0p1 + 0p2 + 0p3 + 0p4 + 0p5 + 0p6 + 0p7 + 0p8 + 0p9 + **λ p10 - (5μ) p11**