

> To take simplified (3) & (4) and get aliangonal matrix, we need to combine (3) & (4) in these ways to get eq. (5) & (6): $(5) = d_1(3) + (4)$ $(6) = -d_2(3) + 4$ (5) 0= d,2 x2+d, dx4+ gd2 +2 + gg2a, x, + Ri X2 - Ri X, + gdidz X2 - gdidz X1, 0 = (R+d1) 1/2 + (-1/2 + 0/02) x, + (gx) x2 (6) 0 = -d, d2 1/2 - d2 2, - 9 d/d2 x- 9 0 2 x, + R X2 - R2 X, + g x, d2 x2 - g x 1 d2 x1 02 (R2 - d, d2) x2 + (-R2-2) x1 + (-902 X1 > combining (5) & (6) into matrixes, me get:

> To get the same plot as mass coords, we have to Plip the equations order. Matrixes become: () + did () = 0 () +