

Opgave 3.1a)

restart; with(LinearAlgebra) :

A := seq(Matrix(n, {seq((i, i) = 0, i = 1 .. n)}, fill = 1, shape = symmetric), n = 1 .. 10) :

Determinant(A[1]); Determinant(A[2]); Determinant(A[3]); Determinant(A[4]);

Determinant(A[5]); Determinant(A[6]); Determinant(A[7]); Determinant(A[8]);

Determinant(A[9]); Determinant(A[10]);

0

-1

2

-3

4

-5

6

-7

8

-9

(1)

Opgave 3.2iic)

detTime := [seq([n, time(Determinant(RandomMatrix(n, n)))]), n = 1 .. 100] :

plot(detTime);

