	A	B	C	D	E
1	Grady Sullivan				
2	10/5/201				
3	ECE 202 - E2 (part b)				
4	Three Dampings for Parallel RLC				
5					
6	v1(t) = A1e^(s1t)+A2e^(s2t)				
7	v2(t) = Ae^(-a2t)+Bte^(-a2t)				
8	v3(t) = ae^(-a3t)cos(wt)+be^(-a3t)sin(wt)				
9					
10	t min (ms)		s1 (Hz)	a 2 (Hz)	a 3 (Hz)
11	0		-800	500	120
12					
13	t max (ms)		s2 (Hz)	A (V)	w (rad/s)
14	40		-200	12	450
15					
16	N (intervals)		A1 (V)	B (V)	a (V)
17	400		16	-6000	12
18					
19	dt (ms)		A2 (V)		b (V)
20	=(A14-A11)/A17		-4		-5
21					
22	t (ms)	t (s)	v1(t) (V)	v2(t) (V)	v3(t) (V)
23	=A11	=A23/1000	=C$17*EXP(C$11*B23)+C$20*EXP(C$14*B23)	=D$14*EXP(-D$11*B23)+D$17*B23*EXP(-D$11*B23)	=EXP(-E$11*B23)*(E$17*COS(B23*E$14)+E$20*SIN(B23*E$14))
24	=A23+A$20	=A24/1000	=C$17*EXP(C$11*B24)+C$20*EXP(C$14*B24)	=D$14*EXP(-D$11*B24)+D$17*B24*EXP(-D$11*B24)	=EXP(-E$11*B24)*(E$17*COS(B24*E$14)+E$20*SIN(B24*E$14))
25	=A24+A$20	=A25/1000	=C$17*EXP(C$11*B25)+C$20*EXP(C$14*B25)	=D$14*EXP(-D$11*B25)+D$17*B25*EXP(-D$11*B25)	=EXP(-E$11*B25)*(E$17*COS(B25*E$14)+E$20*SIN(B25*E$14))
26	=A25+A$20	=A26/1000	=C$17*EXP(C$11*B26)+C$20*EXP(C$14*B26)	=D$14*EXP(-D$11*B26)+D$17*B26*EXP(-D$11*B26)	=EXP(-E$11*B26)*(E$17*COS(B26*E$14)+E$20*SIN(B26*E$14))
27	=A26+A$20	=A27/1000	=C$17*EXP(C$11*B27)+C$20*EXP(C$14*B27)	=D$14*EXP(-D$11*B27)+D$17*B27*EXP(-D$11*B27)	=EXP(-E$11*B27)*(E$17*COS(B27*E$14)+E$20*SIN(B27*E$14))
28	=A27+A$20	=A28/1000	=C$17*EXP(C$11*B28)+C$20*EXP(C$14*B28)	=D$14*EXP(-D$11*B28)+D$17*B28*EXP(-D$11*B28)	=EXP(-E$11*B28)*(E$17*COS(B28*E$14)+E$20*SIN(B28*E$14))
29	=A28+A$20	=A29/1000	=C$17*EXP(C$11*B29)+C$20*EXP(C$14*B29)	=D$14*EXP(-D$11*B29)+D$17*B29*EXP(-D$11*B29)	=EXP(-E$11*B29)*(E$17*COS(B29*E$14)+E$20*SIN(B29*E$14))
30	=A29+A$20	=A30/1000	=C$17*EXP(C$11*B30)+C$20*EXP(C$14*B30)	=D$14*EXP(-D$11*B30)+D$17*B30*EXP(-D$11*B30)	=EXP(-E$11*B30)*(E$17*COS(B30*E$14)+E$20*SIN(B30*E$14))
31	=A30+A$20	=A31/1000	=C$17*EXP(C$11*B31)+C$20*EXP(C$14*B31)	=D$14*EXP(-D$11*B31)+D$17*B31*EXP(-D$11*B31)	=EXP(-E$11*B31)*(E$17*COS(B31*E$14)+E$20*SIN(B31*E$14))
32	=A31+A$20	=A32/1000	=C$17*EXP(C$11*B32)+C$20*EXP(C$14*B32)	=D$14*EXP(-D$11*B32)+D$17*B32*EXP(-D$11*B32)	=EXP(-E$11*B32)*(E$17*COS(B32*E$14)+E$20*SIN(B32*E$14))
33	=A32+A$20	=A33/1000	=C$17*EXP(C$11*B33)+C$20*EXP(C$14*B33)	=D$14*EXP(-D$11*B33)+D$17*B33*EXP(-D$11*B33)	=EXP(-E$11*B33)*(E$17*COS(B33*E$14)+E$20*SIN(B33*E$14))
34	=A33+A$20	=A34/1000	=C$17*EXP(C$11*B34)+C$20*EXP(C$14*B34)	=D$14*EXP(-D$11*B34)+D$17*B34*EXP(-D$11*B34)	=EXP(-E$11*B34)*(E$17*COS(B34*E$14)+E$20*SIN(B34*E$14))
35	=A34+A$20	=A35/1000	=C$17*EXP(C$11*B35)+C$20*EXP(C$14*B35)	=D$14*EXP(-D$11*B35)+D$17*B35*EXP(-D$11*B35)	=EXP(-E$11*B35)*(E$17*COS(B35*E$14)+E$20*SIN(B35*E$14))
36	=A35+A$20	=A36/1000	=C$17*EXP(C$11*B36)+C$20*EXP(C$14*B36)	=D$14*EXP(-D$11*B36)+D$17*B36*EXP(-D$11*B36)	=EXP(-E$11*B36)*(E$17*COS(B36*E$14)+E$20*SIN(B36*E$14))
37	=A36+A$20	=A37/1000	=C$17*EXP(C$11*B37)+C$20*EXP(C$14*B37)	=D$14*EXP(-D$11*B37)+D$17*B37*EXP(-D$11*B37)	=EXP(-E$11*B37)*(E$17*COS(B37*E$14)+E$20*SIN(B37*E$14))
38	=A37+A$20	=A38/1000	=C$17*EXP(C$11*B38)+C$20*EXP(C$14*B38)	=D$14*EXP(-D$11*B38)+D$17*B38*EXP(-D$11*B38)	=EXP(-E$11*B38)*(E$17*COS(B38*E$14)+E$20*SIN(B38*E$14))
39	=A38+A$20	=A39/1000	=C$17*EXP(C$11*B39)+C$20*EXP(C$14*B39)	=D$14*EXP(-D$11*B39)+D$17*B39*EXP(-D$11*B39)	=EXP(-E$11*B39)*(E$17*COS(B39*E$14)+E$20*SIN(B39*E$14))
40	=A39+A$20	=A40/1000	=C$17*EXP(C$11*B40)+C$20*EXP(C$14*B40)	=D$14*EXP(-D$11*B40)+D$17*B40*EXP(-D$11*B40)	=EXP(-E$11*B40)*(E$17*COS(B40*E$14)+E$20*SIN(B40*E$14))
41	=A40+A$20	=A41/1000	=C$17*EXP(C$11*B41)+C$20*EXP(C$14*B41)	=D$14*EXP(-D$11*B41)+D$17*B41*EXP(-D$11*B41)	=EXP(-E$11*B41)*(E$17*COS(B41*E$14)+E$20*SIN(B41*E$14))
42	=A41+A$20	=A42/1000	=C$17*EXP(C$11*B42)+C$20*EXP(C$14*B42)	=D$14*EXP(-D$11*B42)+D$17*B42*EXP(-D$11*B42)	=EXP(-E$11*B42)*(E$17*COS(B42*E$14)+E$20*SIN(B42*E$14))
43	=A42+A$20	=A43/1000	=C$17*EXP(C$11*B43)+C$20*EXP(C$14*B43)	=D$14*EXP(-D$11*B43)+D$17*B43*EXP(-D$11*B43)	=EXP(-E$11*B43)*(E$17*COS(B43*E$14)+E$20*SIN(B43*E$14))
44	=A43+A$20	=A44/1000	=C$17*EXP(C$11*B44)+C$20*EXP(C$14*B44)	=D$14*EXP(-D$11*B44)+D$17*B44*EXP(-D$11*B44)	=EXP(-E$11*B44)*(E$17*COS(B44*E$14)+E$20*SIN(B44*E$14))
45	=A44+A$20	=A45/1000	=C$17*EXP(C$11*B45)+C$20*EXP(C$14*B45)	=D$14*EXP(-D$11*B45)+D$17*B45*EXP(-D$11*B45)	=EXP(-E$11*B45)*(E$17*COS(B45*E$14)+E$20*SIN(B45*E$14))
46	=A45+A$20	=A46/1000	=C$17*EXP(C$11*B46)+C$20*EXP(C$14*B46)	=D$14*EXP(-D$11*B46)+D$17*B46*EXP(-D$11*B46)	=EXP(-E$11*B46)*(E$17*COS(B46*E$14)+E$20*SIN(B46*E$14))
47	=A46+A$20	=A47/1000	=C$17*EXP(C$11*B47)+C$20*EXP(C$14*B47)	=D$14*EXP(-D$11*B47)+D$17*B47*EXP(-D$11*B47)	=EXP(-E$11*B47)*(E$17*COS(B47*E$14)+E$20*SIN(B47*E$14))
48	=A47+A$20	=A48/1000	=C$17*EXP(C$11*B48)+C$20*EXP(C$14*B48)	=D$14*EXP(-D$11*B48)+D$17*B48*EXP(-D$11*B48)	=EXP(-E$11*B48)*(E$17*COS(B48*E$14)+E$20*SIN(B48*E$14))
49	=A48+A$20	=A49/1000	=C$17*EXP(C$11*B49)+C$20*EXP(C$14*B49)	=D$14*EXP(-D$11*B49)+D$17*B49*EXP(-D$11*B49)	=EXP(-E$11*B49)*(E$17*COS(B49*E$14)+E$20*SIN(B49*E$14))
50	=A49+A$20	=A50/1000	=C$17*EXP(C$11*B50)+C$20*EXP(C$14*B50)	=D$14*EXP(-D$11*B50)+D$17*B50*EXP(-D$11*B50)	=EXP(-E$11*B50)*(E$17*COS(B50*E$14)+E$20*SIN(B50*E$14))
51	=A50+A$20	=A51/1000	=C$17*EXP(C$11*B51)+C$20*EXP(C$14*B51)	=D$14*EXP(-D$11*B51)+D$17*B51*EXP(-D$11*B51)	=EXP(-E$11*B51)*(E$17*COS(B51*E$14)+E$20*SIN(B51*E$14))
52	=A51+A$20	=A52/1000	=C$17*EXP(C$11*B52)+C$20*EXP(C$14*B52)	=D$14*EXP(-D$11*B52)+D$17*B52*EXP(-D$11*B52)	=EXP(-E$11*B52)*(E$17*COS(B52*E$14)+E$20*SIN(B52*E$14))
53	=A52+A$20	=A53/1000	=C$17*EXP(C$11*B53)+C$20*EXP(C$14*B53)	=D$14*EXP(-D$11*B53)+D$17*B53*EXP(-D$11*B53)	=EXP(-E$11*B53)*(E$17*COS(B53*E$14)+E$20*SIN(B53*E$14))
54	=A53+A$20	=A54/1000	=C$17*EXP(C$11*B54)+C$20*EXP(C$14*B54)	=D$14*EXP(-D$11*B54)+D$17*B54*EXP(-D$11*B54)	=EXP(-E$11*B54)*(E$17*COS(B54*E$14)+E$20*SIN(B54*E$14))
55	=A54+A$20	=A55/1000	=C$17*EXP(C$11*B55)+C$20*EXP(C$14*B55)	=D$14*EXP(-D$11*B55)+D$17*B55*EXP(-D$11*B55)	=EXP(-E$11*B55)*(E$17*COS(B55*E$14)+E$20*SIN(B55*E$14))
56	=A55+A$20	=A56/1000	=C$17*EXP(C$11*B56)+C$20*EXP(C$14*B56)	=D$14*EXP(-D$11*B56)+D$17*B56*EXP(-D$11*B56)	=EXP(-E$11*B56)*(E$17*COS(B56*E$14)+E$20*SIN(B56*E$14))
57	=A56+A$20	=A57/1000	=C$17*EXP(C$11*B57)+C$20*EXP(C$14*B57)	=D$14*EXP(-D$11*B57)+D$17*B57*EXP(-D$11*B57)	=EXP(-E$11*B57)*(E$17*COS(B57*E$14)+E$20*SIN(B57*E$14))
58	=A57+A$20	=A58/1000	=C$17*EXP(C$11*B58)+C$20*EXP(C$14*B58)	=D$14*EXP(-D$11*B58)+D$17*B58*EXP(-D$11*B58)	=EXP(-E$11*B58)*(E$17*COS(B58*E$14)+E$20*SIN(B58*E$14))
59	=A58+A$20	=A59/1000	=C$17*EXP(C$11*B59)+C$20*EXP(C$14*B59)	=D$14*EXP(-D$11*B59)+D$17*B59*EXP(-D$11*B59)	=EXP(-E$11*B59)*(E$17*COS(B59*E$14)+E$20*SIN(B59*E$14))
60	=A59+A$20	=A60/1000	=C$17*EXP(C$11*B60)+C$20*EXP(C$14*B60)	=D$14*EXP(-D$11*B60)+D$17*B60*EXP(-D$11*B60)	=EXP(-E$11*B60)*(E$17*COS(B60*E$14)+E$20*SIN(B60*E$14))
61	=A60+A$20	=A61/1000	=C$17*EXP(C$11*B61)+C$20*EXP(C$14*B61)	=D$14*EXP(-D$11*B61)+D$17*B61*EXP(-D$11*B61)	=EXP(-E$11*B61)*(E$17*COS(B61*E$14)+E$20*SIN(B61*E$14))
62	=A61+A$20	=A62/1000	=C$17*EXP(C$11*B62)+C$20*EXP(C$14*B62)	=D$14*EXP(-D$11*B62)+D$17*B62*EXP(-D$11*B62)	=EXP(-E$11*B62)*(E$17*COS(B62*E$14)+E$20*SIN(B62*E$14))
63	=A62+A$20	=A63/1000	=C$17*EXP(C$11*B63)+C$20*EXP(C$14*B63)	=D$14*EXP(-D$11*B63)+D$17*B63*EXP(-D$11*B63)	=EXP(-E$11*B63)*(E$17*COS(B63*E$14)+E$20*SIN(B63*E$14))
64	=A63+A$20	=A64/1000	=C$17*EXP(C$11*B64)+C$20*EXP(C$14*B64)	=D$14*EXP(-D$11*B64)+D$17*B64*EXP(-D$11*B64)	=EXP(-E$11*B64)*(E$17*COS(B64*E$14)+E$20*SIN(B64*E$14))
65	=A64+A$20	=A65/1000	=C$17*EXP(C$11*B65)+C$20*EXP(C$14*B65)	=D$14*EXP(-D$11*B65)+D$17*B65*EXP(-D$11*B65)	=EXP(-E$11*B65)*(E$17*COS(B65*E$14)+E$20*SIN(B65*E$14))
66	=A65+A$20	=A66/1000	=C$17*EXP(C$11*B66)+C$20*EXP(C$14*B66)	=D$14*EXP(-D$11*B66)+D$17*B66*EXP(-D$11*B66)	=EXP(-E$11*B66)*(E$17*COS(B66*E$14)+E$20*SIN(B66*E$14))
67	=A66+A$20	=A67/1000	=C$17*EXP(C$11*B67)+C$20*EXP(C$14*B67)	=D$14*EXP(-D$11*B67)+D$17*B67*EXP(-D$11*B67)	=EXP(-E$11*B67)*(E$17*COS(B67*E$14)+E$20*SIN(B67*E$14))
68	=A67+A$20	=A68/1000	=C$17*EXP(C$11*B68)+C$20*EXP(C$14*B68)	=D$14*EXP(-D$11*B68)+D$17*B68*EXP(-D$11*B68)	=EXP(-E$11*B68)*(E$17*COS(B68*E$14)+E$20*SIN(B68*E$14))
69	=A68+A$20	=A69/1000	=C$17*EXP(C$11*B69)+C$20*EXP(C$14*B69)	=D$14*EXP(-D$11*B69)+D$17*B69*EXP(-D$11*B69)	=EXP(-E$11*B69)*(E$17*COS(B69*E$14)+E$20*SIN(B69*E$14))
70	=A69+A$20	=A70/1000	=C$17*EXP(C$11*B70)+C$20*EXP(C$14*B70)	=D$14*EXP(-D$11*B70)+D$17*B70*EXP(-D$11*B70)	=EXP(-E$11*B70)*(E$17*COS(B70*E$14)+E$20*SIN(B70*E$14))
71	=A70+A$20	=A71/1000	=C$17*EXP(C$11*B71)+C$20*EXP(C$14*B71)	=D$14*EXP(-D$11*B71)+D$17*B71*EXP(-D$11*B71)	=EXP(-E$11*B71)*(E$17*COS(B71*E$14)+E$20*SIN(B71*E$14))
72	=A71+A$20	=A72/1000	=C$17*EXP(C$11*B72)+C$20*EXP(C$14*B72)	=D$14*EXP(-D$11*B72)+D$17*B72*EXP(-D$11*B72)	=EXP(-E$11*B72)*(E$17*COS(B72*E$14)+E$20*SIN(B72*E$14))
73	=A72+A$20	=A73/1000	=C$17*EXP(C$11*B73)+C$20*EXP(C$14*B73)	=D$14*EXP(-D$11*B73)+D$17*B73*EXP(-D$11*B73)	=EXP(-E$11*B73)*(E$17*COS(B73*E$14)+E$20*SIN(B73*E$14))
74	=A73+A$20	=A74/1000	=C$17*EXP(C$11*B74)+C$20*EXP(C$14*B74)	=D$14*EXP(-D$11*B74)+D$17*B74*EXP(-D$11*B74)	=EXP(-E$11*B74)*(E$17*COS(B74*E$14)+E$20*SIN(B74*E$14))
75	=A74+A$20	=A75/1000	=C$17*EXP(C$11*B75)+C$20*EXP(C$14*B75)	=D$14*EXP(-D$11*B75)+D$17*B75*EXP(-D$11*B75)	=EXP(-E$11*B75)*(E$17*COS(B75*E$14)+E$20*SIN(B75*E$14))
76	=A75+A$20	=A76/1000	=C$17*EXP(C$11*B76)+C$20*EXP(C$14*B76)	=D$14*EXP(-D$11*B76)+D$17*B76*EXP(-D$11*B76)	=EXP(-E$11*B76)*(E$17*COS(B76*E$14)+E$20*SIN(B76*E$14))
77	=A76+A$20	=A77/1000	=C$17*EXP(C$11*B77)+C$20*EXP(C$14*B77)	=D$14*EXP(-D$11*B77)+D$17*B77*EXP(-D$11*B77)	=EXP(-E$11*B77)*(E$17*COS(B77*E$14)+E$20*SIN(B77*E$14))
78	=A77+A$20	=A78/1000	=C$17*EXP(C$11*B78)+C$20*EXP(C$14*B78)	=D$14*EXP(-D$11*B78)+D$17*B78*EXP(-D$11*B78)	=EXP(-E$11*B78)*(E$17*COS(B78*E$14)+E$20*SIN(B78*E$14))
79	=A78+A$20	=A79/1000	=C$17*EXP(C$11*B79)+C$20*EXP(C$14*B79)	=D$14*EXP(-D$11*B79)+D$17*B79*EXP(-D$11*B79)	=EXP(-E$11*B79)*(E$17*COS(B79*E$14)+E$20*SIN(B79*E$14))
80	=A79+A$20	=A80/1000	=C$17*EXP(C$11*B80)+C$20*EXP(C$14*B80)	=D$14*EXP(-D$11*B80)+D$17*B80*EXP(-D$11*B80)	=EXP(-E$11*B80)*(E$17*COS(B80*E$14)+E$20*SIN(B80*E$14))
81	=A80+A$20	=A81/1000	=C$17*EXP(C$11*B81)+C$20*EXP(C$14*B81)	=D$14*EXP(-D$11*B81)+D$17*B81*EXP(-D$11*B81)	=EXP(-E$11*B81)*(E$17*COS(B81*E$14)+E$20*SIN(B81*E$14))
82	=A81+A$20	=A82/1000	=C$17*EXP(C$11*B82)+C$20*EXP(C$14*B82)	=D$14*EXP(-D$11*B82)+D$17*B82*EXP(-D$11*B82)	=EXP(-E$11*B82)*(E$17*COS(B82*E$14)+E$20*SIN(B82*E$14))
83	=A82+A$20	=A83/1000	=C$17*EXP(C$11*B83)+C$20*EXP(C$14*B83)	=D$14*EXP(-D$11*B83)+D$17*B83*EXP(-D$11*B83)	=EXP(-E$11*B83)*(E$17*COS(B83*E$14)+E$20*SIN(B83*E$14))
84	=A83+A$20	=A84/1000	=C$17*EXP(C$11*B84)+C$20*EXP(C$14*B84)	=D$14*EXP(-D$11*B84)+D$17*B84*EXP(-D$11*B84)	=EXP(-E$11*B84)*(E$17*COS(B84*E$14)+E$20*SIN(B84*E$14))
85	=A84+A$20	=A85/1000	=C$17*EXP(C$11*B85)+C$20*EXP(C$14*B85)	=D$14*EXP(-D$11*B85)+D$17*B85*EXP(-D$11*B85)	=EXP(-E$11*B85)*(E$17*COS(B85*E$14)+E$20*SIN(B85*E$14))
86	=A85+A$20	=A86/1000	=C$17*EXP(C$11*B86)+C$20*EXP(C$14*B86)	=D$14*EXP(-D$11*B86)+D$17*B86*EXP(-D$11*B86)	=EXP(-E$11*B86)*(E$17*COS(B86*E$14)+E$20*SIN(B86*E$14))
87	=A86+A$20	=A87/1000	=C$17*EXP(C$11*B87)+C$20*EXP(C$14*B87)	=D$14*EXP(-D$11*B87)+D$17*B87*EXP(-D$11*B87)	=EXP(-E$11*B87)*(E$17*COS(B87*E$14)+E$20*SIN(B87*E$14))
88	=A87+A$20	=A88/1000	=C$17*EXP(C$11*B88)+C$20*EXP(C$14*B88)	=D$14*EXP(-D$11*B88)+D$17*B88*EXP(-D$11*B88)	=EXP(-E$11*B88)*(E$17*COS(B88*E$14)+E$20*SIN(B88*E$14))
89	=A88+A$20	=A89/1000	=C$17*EXP(C$11*B89)+C$20*EXP(C$14*B89)	=D$14*EXP(-D$11*B89)+D$17*B89*EXP(-D$11*B89)	=EXP(-E$11*B89)*(E$17*COS(B89*E$14)+E$20*SIN(B89*E$14))
90	=A89+A$20	=A90/1000	=C$17*EXP(C$11*B90)+C$20*EXP(C$14*B90)	=D$14*EXP(-D$11*B90)+D$17*B90*EXP(-D$11*B90)	=EXP(-E$11*B90)*(E$17*COS(B90*E$14)+E$20*SIN(B90*E$14))
91	=A90+A$20	=A91/1000	=C$17*EXP(C$11*B91)+C$20*EXP(C$14*B91)	=D$14*EXP(-D$11*B91)+D$17*B91*EXP(-D$11*B91)	=EXP(-E$11*B91)*(E$17*COS(B91*E$14)+E$20*SIN(B91*E$14))
92	=A91+A$20	=A92/1000	=C$17*EXP(C$11*B92)+C$20*EXP(C$14*B92)	=D$14*EXP(-D$11*B92)+D$17*B92*EXP(-D$11*B92)	=EXP(-E$11*B92)*(E$17*COS(B92*E$14)+E$20*SIN(B92*E$14))
93	=A92+A$20	=A93/1000	=C$17*EXP(C$11*B93)+C$20*EXP(C$14*B93)	=D$14*EXP(-D$11*B93)+D$17*B93*EXP(-D$11*B93)	=EXP(-E$11*B93)*(E$17*COS(B93*E$14)+E$20*SIN(B93*E$14))
94	=A93+A$20	=A94/1000	=C$17*EXP(C$11*B94)+C$20*EXP(C$14*B94)	=D$14*EXP(-D$11*B94)+D$17*B94*EXP(-D$11*B94)	=EXP(-E$11*B94)*(E$17*COS(B94*E$14)+E$20*SIN(B94*E$14))
95	=A94+A$20	=A95/1000	=C$17*EXP(C$11*B95)+C$20*EXP(C$14*B95)	=D$14*EXP(-D$11*B95)+D$17*B95*EXP(-D$11*B95)	=EXP(-E$11*B95)*(E$17*COS(B95*E$14)+E$20*SIN(B95*E$14))
96	=A95+A$20	=A96/1000	=C$17*EXP(C$11*B96)+C$20*EXP(C$14*B96)	=D$14*EXP(-D$11*B96)+D$17*B96*EXP(-D$11*B96)	=EXP(-E$11*B96)*(E$17*COS(B96*E$14)+E$20*SIN(B96*E$14))
97	=A96+A$20	=A97/1000	=C$17*EXP(C$11*B97)+C$20*EXP(C$14*B97)	=D$14*EXP(-D$11*B97)+D$17*B97*EXP(-D$11*B97)	=EXP(-E$11*B97)*(E$17*COS(B97*E$14)+E$20*SIN(B97*E$14))
98	=A97+A$20	=A98/1000	=C$17*EXP(C$11*B98)+C$20*EXP(C$14*B98)	=D$14*EXP(-D$11*B98)+D$17*B98*EXP(-D$11*B98)	=EXP(-E$11*B98)*(E$17*COS(B98*E$14)+E$20*SIN(B98*E$14))
99	=A98+A$20	=A99/1000	=C$17*EXP(C$11*B99)+C$20*EXP(C$14*B99)	=D$14*EXP(-D$11*B99)+D$17*B99*EXP(-D$11*B99)	=EXP(-E$11*B99)*(E$17*COS(B99*E$14)+E$20*SIN(B99*E$14))
100	=A99+A$20	=A100/1000	=C$17*EXP(C$11*B100)+C$20*EXP(C$14*B100)	=D$14*EXP(-D$11*B100)+D$17*B100*EXP(-D$11*B100)	=EXP(-E$11*B100)*(E$17*COS(B100*E$14)+E$20*SIN(B100*E$14))
101	=A100+A$20	=A101/1000	=C$17*EXP(C$11*B101)+C$20*EXP(C$14*B101)	=D$14*EXP(-D$11*B101)+D$17*B101*EXP(-D$11*B101)	=EXP(-E$11*B101)*(E$17*COS(B101*E$14)+E$20*SIN(B101*E$14))
102	=A101+A$20	=A102/1000	=C$17*EXP(C$11*B102)+C$20*EXP(C$14*B102)	=D$14*EXP(-D$11*B102)+D$17*B102*EXP(-D$11*B102)	=EXP(-E$11*B102)*(E$17*COS(B102*E$14)+E$20*SIN(B102*E$14))
103	=A102+A$20	=A103/1000	=C$17*EXP(C$11*B103)+C$20*EXP(C$14*B103)	=D$14*EXP(-D$11*B103)+D$17*B103*EXP(-D$11*B103)	=EXP(-E$11*B103)*(E$17*COS(B103*E$14)+E$20*SIN(B103*E$14))
104	=A103+A$20	=A104/1000	=C$17*EXP(C$11*B104)+C$20*EXP(C$14*B104)	=D$14*EXP(-D$11*B104)+D$17*B104*EXP(-D$11*B104)	=EXP(-E$11*B104)*(E$17*COS(B104*E$14)+E$20*SIN(B104*E$14))
105	=A104+A$20	=A105/1000	=C$17*EXP(C$11*B105)+C$20*EXP(C$14*B105)	=D$14*EXP(-D$11*B105)+D$17*B105*EXP(-D$11*B105)	=EXP(-E$11*B105)*(E$17*COS(B105*E$14)+E$20*SIN(B105*E$14))
106	=A105+A$20	=A106/1000	=C$17*EXP(C$11*B106)+C$20*EXP(C$14*B106)	=D$14*EXP(-D$11*B106)+D$17*B106*EXP(-D$11*B106)	=EXP(-E$11*B106)*(E$17*COS(B106*E$14)+E$20*SIN(B106*E$14))
107	=A106+A$20	=A107/1000	=C$17*EXP(C$11*B107)+C$20*EXP(C$14*B107)	=D$14*EXP(-D$11*B107)+D$17*B107*EXP(-D$11*B107)	=EXP(-E$11*B107)*(E$17*COS(B107*E$14)+E$20*SIN(B107*E$14))
108	=A107+A$20	=A108/1000	=C$17*EXP(C$11*B108)+C$20*EXP(C$14*B108)	=D$14*EXP(-D$11*B108)+D$17*B108*EXP(-D$11*B108)	=EXP(-E$11*B108)*(E$17*COS(B108*E$14)+E$20*SIN(B108*E$14))