

antC power density PDC

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100
105
110
115
120

freq MHz

=SGS63/(4*Pi)*((SJ663-SA64)^2+(SL663-BS3)^2)
=SGS63/(4*Pi)*((SJ663-SA65)^2+(SL663-BS3)^2)
=SGS63/(4*Pi)*((SJ663-SA66)^2+(SL663-BS3)^2)
=SGS63/(4*Pi)*((SJ663-SA67)^2+(SL663-BS3)^2)
=SGS63/(4*Pi)*((SJ663-SA68)^2+(SL663-BS3)^2)
=SGS63/(4*Pi)*((SJ663-SA69)^2+(SL663-BS3)^2)
=SGS63/(4*Pi)*((SJ663-SA70)^2+(SL663-BS3)^2)
=SGS63/(4*Pi)*((SJ663-SA71)^2+(SL663-BS3)^2)
=SGS63/(4*Pi)*((SJ663-SA72)^2+(SL663-BS3)^2)
=SGS63/(4*Pi)*((SJ663-SA73)^2+(SL663-BS3)^2)
=SGS63/(4*Pi)*((SJ663-SA74)^2+(SL663-BS3)^2)
=SGS63/(4*Pi)*((SJ663-SA75)^2+(SL663-BS3)^2)
=SGS63/(4*Pi)*((SJ663-SA76)^2+(SL663-BS3)^2)
=SGS63/(4*Pi)*((SJ663-SA77)^2+(SL663-BS3)^2)
=SGS63/(4*Pi)*((SJ663-SA78)^2+(SL663-BS3)^2)
=SGS63/(4*Pi)*((SJ663-SA79)^2+(SL663-BS3)^2)
=SGS63/(4*Pi)*((SJ663-SA80)^2+(SL663-BS3)^2)
=SGS63/(4*Pi)*((SJ663-SA81)^2+(SL663-BS3)^2)
=SGS63/(4*Pi)*((SJ663-SA82)^2+(SL663-BS3)^2)
=SGS63/(4*Pi)*((SJ663-SA83)^2+(SL663-BS3)^2)
=SGS63/(4*Pi)*((SJ663-SA84)^2+(SL663-BS3)^2)
=SGS63/(4*Pi)*((SJ663-SA85)^2+(SL663-BS3)^2)
=SGS63/(4*Pi)*((SJ663-SA86)^2+(SL663-BS3)^2)
=SGS63/(4*Pi)*((SJ663-SA87)^2+(SL663-BS3)^2)
=SGS63/(4*Pi)*((SJ663-SA88)^2+(SL663-BS3)^2)

2450

=SGS63/(4*Pi)*((SJ663-SA64)^2+(SL663-CS3)^2)
=SGS63/(4*Pi)*((SJ663-SA65)^2+(SL663-CS3)^2)
=SGS63/(4*Pi)*((SJ663-SA66)^2+(SL663-CS3)^2)
=SGS63/(4*Pi)*((SJ663-SA67)^2+(SL663-CS3)^2)
=SGS63/(4*Pi)*((SJ663-SA68)^2+(SL663-CS3)^2)
=SGS63/(4*Pi)*((SJ663-SA69)^2+(SL663-CS3)^2)
=SGS63/(4*Pi)*((SJ663-SA70)^2+(SL663-CS3)^2)
=SGS63/(4*Pi)*((SJ663-SA71)^2+(SL663-CS3)^2)
=SGS63/(4*Pi)*((SJ663-SA72)^2+(SL663-CS3)^2)
=SGS63/(4*Pi)*((SJ663-SA73)^2+(SL663-CS3)^2)
=SGS63/(4*Pi)*((SJ663-SA74)^2+(SL663-CS3)^2)
=SGS63/(4*Pi)*((SJ663-SA75)^2+(SL663-CS3)^2)
=SGS63/(4*Pi)*((SJ663-SA76)^2+(SL663-CS3)^2)
=SGS63/(4*Pi)*((SJ663-SA77)^2+(SL663-CS3)^2)
=SGS63/(4*Pi)*((SJ663-SA78)^2+(SL663-CS3)^2)
=SGS63/(4*Pi)*((SJ663-SA79)^2+(SL663-CS3)^2)
=SGS63/(4*Pi)*((SJ663-SA80)^2+(SL663-CS3)^2)
=SGS63/(4*Pi)*((SJ663-SA81)^2+(SL663-CS3)^2)
=SGS63/(4*Pi)*((SJ663-SA82)^2+(SL663-CS3)^2)
=SGS63/(4*Pi)*((SJ663-SA83)^2+(SL663-CS3)^2)
=SGS63/(4*Pi)*((SJ663-SA84)^2+(SL663-CS3)^2)
=SGS63/(4*Pi)*((SJ663-SA85)^2+(SL663-CS3)^2)
=SGS63/(4*Pi)*((SJ663-SA86)^2+(SL663-CS3)^2)
=SGS63/(4*Pi)*((SJ663-SA87)^2+(SL663-CS3)^2)
=SGS63/(4*Pi)*((SJ663-SA88)^2+(SL663-CS3)^2)

limit mw/cm2

=SGS63/(4*Pi)*((SJ663-SA64)^2+(SL663-DS3)^2)
=SGS63/(4*Pi)*((SJ663-SA65)^2+(SL663-DS3)^2)
=SGS63/(4*Pi)*((SJ663-SA66)^2+(SL663-DS3)^2)
=SGS63/(4*Pi)*((SJ663-SA67)^2+(SL663-DS3)^2)
=SGS63/(4*Pi)*((SJ663-SA68)^2+(SL663-DS3)^2)
=SGS63/(4*Pi)*((SJ663-SA69)^2+(SL663-DS3)^2)
=SGS63/(4*Pi)*((SJ663-SA70)^2+(SL663-DS3)^2)
=SGS63/(4*Pi)*((SJ663-SA71)^2+(SL663-DS3)^2)
=SGS63/(4*Pi)*((SJ663-SA72)^2+(SL663-DS3)^2)
=SGS63/(4*Pi)*((SJ663-SA73)^2+(SL663-DS3)^2)
=SGS63/(4*Pi)*((SJ663-SA74)^2+(SL663-DS3)^2)
=SGS63/(4*Pi)*((SJ663-SA75)^2+(SL663-DS3)^2)
=SGS63/(4*Pi)*((SJ663-SA76)^2+(SL663-DS3)^2)
=SGS63/(4*Pi)*((SJ663-SA77)^2+(SL663-DS3)^2)
=SGS63/(4*Pi)*((SJ663-SA78)^2+(SL663-DS3)^2)
=SGS63/(4*Pi)*((SJ663-SA79)^2+(SL663-DS3)^2)
=SGS63/(4*Pi)*((SJ663-SA80)^2+(SL663-DS3)^2)
=SGS63/(4*Pi)*((SJ663-SA81)^2+(SL663-DS3)^2)
=SGS63/(4*Pi)*((SJ663-SA82)^2+(SL663-DS3)^2)
=SGS63/(4*Pi)*((SJ663-SA83)^2+(SL663-DS3)^2)
=SGS63/(4*Pi)*((SJ663-SA84)^2+(SL663-DS3)^2)
=SGS63/(4*Pi)*((SJ663-SA85)^2+(SL663-DS3)^2)
=SGS63/(4*Pi)*((SJ663-SA86)^2+(SL663-DS3)^2)
=SGS63/(4*Pi)*((SJ663-SA87)^2+(SL663-DS3)^2)
=SGS63/(4*Pi)*((SJ663-SA88)^2+(SL663-DS3)^2)

1

=SGS63/(4*Pi)*((SJ663-SA64)^2+(SL663-ES3)^2)
=SGS63/(4*Pi)*((SJ663-SA65)^2+(SL663-ES3)^2)
=SGS63/(4*Pi)*((SJ663-SA66)^2+(SL663-ES3)^2)
=SGS63/(4*Pi)*((SJ663-SA67)^2+(SL663-ES3)^2)
=SGS63/(4*Pi)*((SJ663-SA68)^2+(SL663-ES3)^2)
=SGS63/(4*Pi)*((SJ663-SA69)^2+(SL663-ES3)^2)
=SGS63/(4*Pi)*((SJ663-SA70)^2+(SL663-ES3)^2)
=SGS63/(4*Pi)*((SJ663-SA71)^2+(SL663-ES3)^2)
=SGS63/(4*Pi)*((SJ663-SA72)^2+(SL663-ES3)^2)
=SGS63/(4*Pi)*((SJ663-SA73)^2+(SL663-ES3)^2)
=SGS63/(4*Pi)*((SJ663-SA74)^2+(SL663-ES3)^2)
=SGS63/(4*Pi)*((SJ663-SA75)^2+(SL663-ES3)^2)
=SGS63/(4*Pi)*((SJ663-SA76)^2+(SL663-ES3)^2)
=SGS63/(4*Pi)*((SJ663-SA77)^2+(SL663-ES3)^2)
=SGS63/(4*Pi)*((SJ663-SA78)^2+(SL663-ES3)^2)
=SGS63/(4*Pi)*((SJ663-SA79)^2+(SL663-ES3)^2)
=SGS63/(4*Pi)*((SJ663-SA80)^2+(SL663-ES3)^2)
=SGS63/(4*Pi)*((SJ663-SA81)^2+(SL663-ES3)^2)
=SGS63/(4*Pi)*((SJ663-SA82)^2+(SL663-ES3)^2)
=SGS63/(4*Pi)*((SJ663-SA83)^2+(SL663-ES3)^2)
=SGS63/(4*Pi)*((SJ663-SA84)^2+(SL663-ES3)^2)
=SGS63/(4*Pi)*((SJ663-SA85)^2+(SL663-ES3)^2)
=SGS63/(4*Pi)*((SJ663-SA86)^2+(SL663-ES3)^2)
=SGS63/(4*Pi)*((SJ663-SA87)^2+(SL663-ES3)^2)
=SGS63/(4*Pi)*((SJ663-SA88)^2+(SL663-ES3)^2)

sum of PDA and PDB and PDC

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=B34+B4+B64
=B35+B5+B65
=B36+B6+B66
=B37+B7+B67
=B38+B8+B68
=B39+B9+B69
=B40+B10+B70
=B41+B11+B71
=B42+B12+B72
=B43+B13+B73
=B44+B14+B74
=B45+B15+B75
=B46+B16+B76
=B47+B17+B77
=B48+B18+B78
=B49+B19+B79
=B50+B20+B80
=B51+B21+B81
=B52+B22+B82
=B53+B23+B83
=B54+B24+B84
=B55+B25+B85
=B56+B26+B86
=B57+B27+B87
=B58+B28+B88

=C34+C4+C64
=C35+C5+C65
=C36+C6+C66
=C37+C7+C67
=C38+C8+C68
=C39+C9+C69
=C40+C10+C70
=C41+C11+C71
=C42+C12+C72
=C43+C13+C73
=C44+C14+C74
=C45+C15+C75
=C46+C16+C76
=C47+C17+C77
=C48+C18+C78
=C49+C19+C79
=C50+C20+C80
=C51+C21+C81
=C52+C22+C82
=C53+C23+C83
=C54+C24+C84
=C55+C25+C85
=C56+C26+C86
=C57+C27+C87
=C58+C28+C88

=D34+D4+D64
=D35+D5+D65
=D36+D6+D66
=D37+D7+D67
=D38+D8+D68
=D39+D9+D69
=D40+D10+D70
=D41+D11+D71
=D42+D12+D72
=D43+D13+D73
=D44+D14+D74
=D45+D15+D75
=D46+D16+D76
=D47+D17+D77
=D48+D18+D78
=D49+D19+D79
=D50+D20+D80
=D51+D21+D81
=D52+D22+D82
=D53+D23+D83
=D54+D24+D84
=D55+D25+D85
=D56+D26+D86
=D57+D27+D87
=D58+D28+D88

=E34+E4+E64
=E35+E5+E65
=E36+E6+E66
=E37+E7+E67
=E38+E8+E68
=E39+E9+E69
=E40+E10+E70
=E41+E11+E71
=E42+E12+E72
=E43+E13+E73
=E44+E14+E74
=E45+E15+E75
=E46+E16+E76
=E47+E17+E77
=E48+E18+E78
=E49+E19+E79
=E50+E20+E80
=E51+E21+E81
=E52+E22+E82
=E53+E23+E83
=E54+E24+E84
=E55+E25+E85
=E56+E26+E86
=E57+E27+E87
=E58+E28+E88

over multifrequency MPE limit PDA/lmA + PDB/lmB + PDC/lmC <1

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120
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0

=IF(((B4/SES2)+(B34/SES33)+(B64/SES63))>1,1,0)
=IF(((B5/SES2)+(B35/SES33)+(B65/SES63))>1,1,0)
=IF(((B6/SES2)+(B36/SES33)+(B66/SES63))>1,1,0)
=IF(((B7/SES2)+(B37/SES33)+(B67/SES63))>1,1,0)
=IF(((B8/SES2)+(B38/SES33)+(B68/SES63))>1,1,0)
=IF(((B9/SES2)+(B39/SES33)+(B69/SES63))>1,1,0)
=IF(((B10/SES2)+(B40/SES33)+(B70/SES63))>1,1,0)
=IF(((B11/SES2)+(B41/SES33)+(B71/SES63))>1,1,0)
=IF(((B12/SES2)+(B42/SES33)+(B72/SES63))>1,1,0)
=IF(((B13/SES2)+(B43/SES33)+(B73/SES63))>1,1,0)
=IF(((B14/SES2)+(B44/SES33)+(B74/SES63))>1,1,0)
=IF(((B15/SES2)+(B45/SES33)+(B75/SES63))>1,1,0)
=IF(((B16/SES2)+(B46/SES33)+(B76/SES63))>1,1,0)
=IF(((B17/SES2)+(B47/SES33)+(B77/SES63))>1,1,0)
=IF(((B18/SES2)+(B48/SES33)+(B78/SES63))>1,1,0)
=IF(((B19/SES2)+(B49/SES33)+(B79/SES63))>1,1,0)
=IF(((B20/SES2)+(B50/SES33)+(B80/SES63))>1,1,0)
=IF(((B21/SES2)+(B51/SES33)+(B81/SES63))>1,1,0)
=IF(((B22/SES2)+(B52/SES33)+(B82/SES63))>1,1,0)
=IF(((B23/SES2)+(B53/SES33)+(B83/SES63))>1,1,0)
=IF(((B24/SES2)+(B54/SES33)+(B84/SES63))>1,1,0)
=IF(((B25/SES2)+(B55/SES33)+(B85/SES63))>1,1,0)
=IF(((B26/SES2)+(B56/SES33)+(B86/SES63))>1,1,0)
=IF(((B27/SES2)+(B57/SES33)+(B87/SES63))>1,1,0)
=IF(((B28/SES2)+(B58/SES33)+(B88/SES63))>1,1,0)

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2
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2

=IF(((C4/SES2)+(C34/SES33)+(C64/SES63))>1,1,0)
=IF(((C5/SES2)+(C35/SES33)+(C65/SES63))>1,1,0)
=IF(((C6/SES2)+(C36/SES33)+(C66/SES63))>1,1,0)
=IF(((C7/SES2)+(C37/SES33)+(C67/SES63))>1,1,0)
=IF(((C8/SES2)+(C38/SES33)+(C68/SES63))>1,1,0)
=IF(((C9/SES2)+(C39/SES33)+(C69/SES63))>1,1,0)
=IF(((C10/SES2)+(C40/SES33)+(C70/SES63))>1,1,0)
=IF(((C11/SES2)+(C41/SES33)+(C71/SES63))>1,1,0)
=IF(((C12/SES2)+(C42/SES33)+(C72/SES63))>1,1,0)
=IF(((C13/SES2)+(C43/SES33)+(C73/SES63))>1,1,0)
=IF(((C14/SES2)+(C44/SES33)+(C74/SES63))>1,1,0)
=IF(((C15/SES2)+(C45/SES33)+(C75/SES63))>1,1,0)
=IF(((C16/SES2)+(C46/SES33)+(C76/SES63))>1,1,0)
=IF(((C17/SES2)+(C47/SES33)+(C77/SES63))>1,1,0)
=IF(((C18/SES2)+(C48/SES33)+(C78/SES63))>1,1,0)
=IF(((C19/SES2)+(C49/SES33)+(C79/SES63))>1,1,0)
=IF(((C20/SES2)+(C50/SES33)+(C80/SES63))>1,1,0)
=IF(((C21/SES2)+(C51/SES33)+(C81/SES63))>1,1,0)
=IF(((C22/SES2)+(C52/SES33)+(C82/SES63))>1,1,0)
=IF(((C23/SES2)+(C53/SES33)+(C83/SES63))>1,1,0)
=IF(((C24/SES2)+(C54/SES33)+(C84/SES63))>1,1,0)
=IF(((C25/SES2)+(C55/SES33)+(C85/SES63))>1,1,0)
=IF(((C26/SES2)+(C56/SES33)+(C86/SES63))>1,1,0)
=IF(((C27/SES2)+(C57/SES33)+(C87/SES63))>1,1,0)
=IF(((C28/SES2)+(C58/SES33)+(C88/SES63))>1,1,0)

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4
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4

=IF(((D4/SES2)+(D34/SES33)+(D64/SES63))>1,1,0)
=IF(((D5/SES2)+(D35/SES33)+(D65/SES63))>1,1,0)
=IF(((D6/SES2)+(D36/SES33)+(D66/SES63))>1,1,0)
=IF(((D7/SES2)+(D37/SES33)+(D67/SES63))>1,1,0)
=IF(((D8/SES2)+(D38/SES33)+(D68/SES63))>1,1,0)
=IF(((D9/SES2)+(D39/SES33)+(D69/SES63))>1,1,0)
=IF(((D10/SES2)+(D40/SES33)+(D70/SES63))>1,1,0)
=IF(((D11/SES2)+(D41/SES33)+(D71/SES63))>1,1,0)
=IF(((D12/SES2)+(D42/SES33)+(D72/SES63))>1,1,0)
=IF(((D13/SES2)+(D43/SES33)+(D73/SES63))>1,1,0)
=IF(((D14/SES2)+(D44/SES33)+(D74/SES63))>1,1,0)
=IF(((D15/SES2)+(D45/SES33)+(D75/SES63))>1,1,0)
=IF(((D16/SES2)+(D46/SES33)+(D76/SES63))>1,1,0)
=IF(((D17/SES2)+(D47/SES33)+(D77/SES63))>1,1,0)
=IF(((D18/SES2)+(D48/SES33)+(D78/SES63))>1,1,0)
=IF(((D19/SES2)+(D49/SES33)+(D79/SES63))>1,1,0)
=IF(((D20/SES2)+(D50/SES33)+(D80/SES63))>1,1,0)
=IF(((D21/SES2)+(D51/SES33)+(D81/SES63))>1,1,0)
=IF(((D22/SES2)+(D52/SES33)+(D82/SES63))>1,1,0)
=IF(((D23/SES2)+(D53/SES33)+(D83/SES63))>1,1,0)
=IF(((D24/SES2)+(D54/SES33)+(D84/SES63))>1,1,0)
=IF(((D25/SES2)+(D55/SES33)+(D85/SES63))>1,1,0)
=IF(((D26/SES2)+(D56/SES33)+(D86/SES63))>1,1,0)
=IF(((D27/SES2)+(D57/SES33)+(D87/SES63))>1,1,0)
=IF(((D28/SES2)+(D58/SES33)+(D88/SES63))>1,1,0)

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6
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6

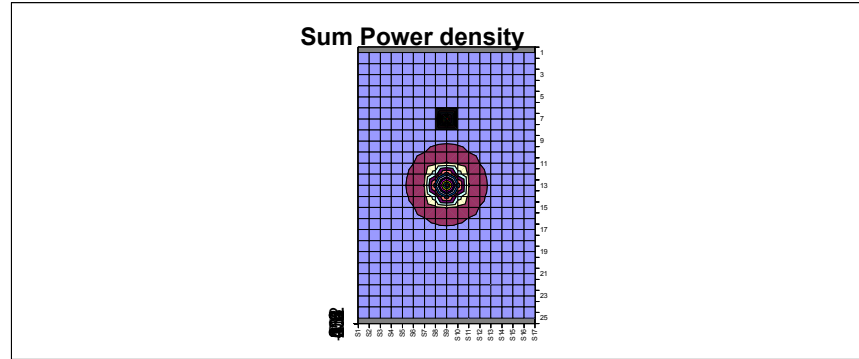
=IF(((E4/SES2)+(E34/SES33)+(E64/SES63))>1,1,0)
=IF(((E5/SES2)+(E35/SES33)+(E65/SES63))>1,1,0)
=IF(((E6/SES2)+(E36/SES33)+(E66/SES63))>1,1,0)
=IF(((E7/SES2)+(E37/SES33)+(E67/SES63))>1,1,0)
=IF(((E8/SES2)+(E38/SES33)+(E68/SES63))>1,1,0)
=IF(((E9/SES2)+(E39/SES33)+(E69/SES63))>1,1,0)
=IF(((E10/SES2)+(E40/SES33)+(E70/SES63))>1,1,0)
=IF(((E11/SES2)+(E41/SES33)+(E71/SES63))>1,1,0)
=IF(((E12/SES2)+(E42/SES33)+(E72/SES63))>1,1,0)
=IF(((E13/SES2)+(E43/SES33)+(E73/SES63))>1,1,0)
=IF(((E14/SES2)+(E44/SES33)+(E74/SES63))>1,1,0)
=IF(((E15/SES2)+(E45/SES33)+(E75/SES63))>1,1,0)
=IF(((E16/SES2)+(E46/SES33)+(E76/SES63))>1,1,0)
=IF(((E17/SES2)+(E47/SES33)+(E77/SES63))>1,1,0)
=IF(((E18/SES2)+(E48/SES33)+(E78/SES63))>1,1,0)
=IF(((E19/SES2)+(E49/SES33)+(E79/SES63))>1,1,0)
=IF(((E20/SES2)+(E50/SES33)+(E80/SES63))>1,1,0)
=IF(((E21/SES2)+(E51/SES33)+(E81/SES63))>1,1,0)
=IF(((E22/SES2)+(E52/SES33)+(E82/SES63))>1,1,0)
=IF(((E23/SES2)+(E53/SES33)+(E83/SES63))>1,1,0)
=IF(((E24/SES2)+(E54/SES33)+(E84/SES63))>1,1,0)
=IF(((E25/SES2)+(E55/SES33)+(E85/SES63))>1,1,0)
=IF(((E26/SES2)+(E56/SES33)+(E86/SES63))>1,1,0)
=IF(((E27/SES2)+(E57/SES33)+(E87/SES63))>1,1,0)
=IF(((E28/SES2)+(E58/SES33)+(E88/SES63))>1,1,0)

$=\$G\$63/(4*PI()*((\$J\$63-\$A64)^2+(\$L\$63-\$Q\$3)^2))$
 $=\$G\$63/(4*PI()*((\$J\$63-\$A65)^2+(\$L\$63-\$Q\$3)^2))$
 $=\$G\$63/(4*PI()*((\$J\$63-\$A66)^2+(\$L\$63-\$Q\$3)^2))$
 $=\$G\$63/(4*PI()*((\$J\$63-\$A67)^2+(\$L\$63-\$Q\$3)^2))$
 $=\$G\$63/(4*PI()*((\$J\$63-\$A68)^2+(\$L\$63-\$Q\$3)^2))$
 $=\$G\$63/(4*PI()*((\$J\$63-\$A69)^2+(\$L\$63-\$Q\$3)^2))$
 $=\$G\$63/(4*PI()*((\$J\$63-\$A70)^2+(\$L\$63-\$Q\$3)^2))$
 $=\$G\$63/(4*PI()*((\$J\$63-\$A71)^2+(\$L\$63-\$Q\$3)^2))$
 $=\$G\$63/(4*PI()*((\$J\$63-\$A72)^2+(\$L\$63-\$Q\$3)^2))$
 $=\$G\$63/(4*PI()*((\$J\$63-\$A73)^2+(\$L\$63-\$Q\$3)^2))$
 $=\$G\$63/(4*PI()*((\$J\$63-\$A74)^2+(\$L\$63-\$Q\$3)^2))$
 $=\$G\$63/(4*PI()*((\$J\$63-\$A75)^2+(\$L\$63-\$Q\$3)^2))$
 $=\$G\$63/(4*PI()*((\$J\$63-\$A76)^2+(\$L\$63-\$Q\$3)^2))$
 $=\$G\$63/(4*PI()*((\$J\$63-\$A77)^2+(\$L\$63-\$Q\$3)^2))$
 $=\$G\$63/(4*PI()*((\$J\$63-\$A78)^2+(\$L\$63-\$Q\$3)^2))$
 $=\$G\$63/(4*PI()*((\$J\$63-\$A79)^2+(\$L\$63-\$Q\$3)^2))$
 $=\$G\$63/(4*PI()*((\$J\$63-\$A80)^2+(\$L\$63-\$Q\$3)^2))$
 $=\$G\$63/(4*PI()*((\$J\$63-\$A81)^2+(\$L\$63-\$Q\$3)^2))$
 $=\$G\$63/(4*PI()*((\$J\$63-\$A82)^2+(\$L\$63-\$Q\$3)^2))$
 $=\$G\$63/(4*PI()*((\$J\$63-\$A83)^2+(\$L\$63-\$Q\$3)^2))$
 $=\$G\$63/(4*PI()*((\$J\$63-\$A84)^2+(\$L\$63-\$Q\$3)^2))$
 $=\$G\$63/(4*PI()*((\$J\$63-\$A85)^2+(\$L\$63-\$Q\$3)^2))$
 $=\$G\$63/(4*PI()*((\$J\$63-\$A86)^2+(\$L\$63-\$Q\$3)^2))$
 $=\$G\$63/(4*PI()*((\$J\$63-\$A87)^2+(\$L\$63-\$Q\$3)^2))$
 $=\$G\$63/(4*PI()*((\$J\$63-\$A88)^2+(\$L\$63-\$Q\$3)^2))$

$=\$G\$63/(4*PI()*((\$J\$63-\$A64)^2+(\$L\$63-\$R\$3)^2))$
 $=\$G\$63/(4*PI()*((\$J\$63-\$A65)^2+(\$L\$63-\$R\$3)^2))$
 $=\$G\$63/(4*PI()*((\$J\$63-\$A66)^2+(\$L\$63-\$R\$3)^2))$
 $=\$G\$63/(4*PI()*((\$J\$63-\$A67)^2+(\$L\$63-\$R\$3)^2))$
 $=\$G\$63/(4*PI()*((\$J\$63-\$A68)^2+(\$L\$63-\$R\$3)^2))$
 $=\$G\$63/(4*PI()*((\$J\$63-\$A69)^2+(\$L\$63-\$R\$3)^2))$
 $=\$G\$63/(4*PI()*((\$J\$63-\$A70)^2+(\$L\$63-\$R\$3)^2))$
 $=\$G\$63/(4*PI()*((\$J\$63-\$A71)^2+(\$L\$63-\$R\$3)^2))$
 $=\$G\$63/(4*PI()*((\$J\$63-\$A72)^2+(\$L\$63-\$R\$3)^2))$
 $=\$G\$63/(4*PI()*((\$J\$63-\$A73)^2+(\$L\$63-\$R\$3)^2))$
 $=\$G\$63/(4*PI()*((\$J\$63-\$A74)^2+(\$L\$63-\$R\$3)^2))$
 $=\$G\$63/(4*PI()*((\$J\$63-\$A75)^2+(\$L\$63-\$R\$3)^2))$
 $=\$G\$63/(4*PI()*((\$J\$63-\$A76)^2+(\$L\$63-\$R\$3)^2))$
 $=\$G\$63/(4*PI()*((\$J\$63-\$A77)^2+(\$L\$63-\$R\$3)^2))$
 $=\$G\$63/(4*PI()*((\$J\$63-\$A78)^2+(\$L\$63-\$R\$3)^2))$
 $=\$G\$63/(4*PI()*((\$J\$63-\$A79)^2+(\$L\$63-\$R\$3)^2))$
 $=\$G\$63/(4*PI()*((\$J\$63-\$A80)^2+(\$L\$63-\$R\$3)^2))$
 $=\$G\$63/(4*PI()*((\$J\$63-\$A81)^2+(\$L\$63-\$R\$3)^2))$
 $=\$G\$63/(4*PI()*((\$J\$63-\$A82)^2+(\$L\$63-\$R\$3)^2))$
 $=\$G\$63/(4*PI()*((\$J\$63-\$A83)^2+(\$L\$63-\$R\$3)^2))$
 $=\$G\$63/(4*PI()*((\$J\$63-\$A84)^2+(\$L\$63-\$R\$3)^2))$
 $=\$G\$63/(4*PI()*((\$J\$63-\$A85)^2+(\$L\$63-\$R\$3)^2))$
 $=\$G\$63/(4*PI()*((\$J\$63-\$A86)^2+(\$L\$63-\$R\$3)^2))$
 $=\$G\$63/(4*PI()*((\$J\$63-\$A87)^2+(\$L\$63-\$R\$3)^2))$
 $=\$G\$63/(4*PI()*((\$J\$63-\$A88)^2+(\$L\$63-\$R\$3)^2))$

$=Q34+Q4+Q64$
 $=Q35+Q5+Q65$
 $=Q36+Q6+Q66$
 $=Q37+Q7+Q67$
 $=Q38+Q8+Q68$
 $=Q39+Q9+Q69$
 $=Q40+Q10+Q70$
 $=Q41+Q11+Q71$
 $=Q42+Q12+Q72$
 $=Q43+Q13+Q73$
 $=Q44+Q14+Q74$
 $=Q45+Q15+Q75$
 $=Q46+Q16+Q76$
 $=Q47+Q17+Q77$
 $=Q48+Q18+Q78$
 $=Q49+Q19+Q79$
 $=Q50+Q20+Q80$
 $=Q51+Q21+Q81$
 $=Q52+Q22+Q82$
 $=Q53+Q23+Q83$
 $=Q54+Q24+Q84$
 $=Q55+Q25+Q85$
 $=Q56+Q26+Q86$
 $=Q57+Q27+Q87$
 $=Q58+Q28+Q88$

$=R34+R4+R64$
 $=R35+R5+R65$
 $=R36+R6+R66$
 $=R37+R7+R67$
 $=R38+R8+R68$
 $=R39+R9+R69$
 $=R40+R10+R70$
 $=R41+R11+R71$
 $=R42+R12+R72$
 $=R43+R13+R73$
 $=R44+R14+R74$
 $=R45+R15+R75$
 $=R46+R16+R76$
 $=R47+R17+R77$
 $=R48+R18+R78$
 $=R49+R19+R79$
 $=R50+R20+R80$
 $=R51+R21+R81$
 $=R52+R22+R82$
 $=R53+R23+R83$
 $=R54+R24+R84$
 $=R55+R25+R85$
 $=R56+R26+R86$
 $=R57+R27+R87$
 $=R58+R28+R88$



```

30
=IF(((Q4/$E$2)+(Q34/$E$33)+(Q64/$E$63))>1,1,0)
=IF(((Q5/$E$2)+(Q35/$E$33)+(Q65/$E$63))>1,1,0)
=IF(((Q6/$E$2)+(Q36/$E$33)+(Q66/$E$63))>1,1,0)
=IF(((Q7/$E$2)+(Q37/$E$33)+(Q67/$E$63))>1,1,0)
=IF(((Q8/$E$2)+(Q38/$E$33)+(Q68/$E$63))>1,1,0)
=IF(((Q9/$E$2)+(Q39/$E$33)+(Q69/$E$63))>1,1,0)
=IF(((Q10/$E$2)+(Q40/$E$33)+(Q70/$E$63))>1,1,0)
=IF(((Q11/$E$2)+(Q41/$E$33)+(Q71/$E$63))>1,1,0)
=IF(((Q12/$E$2)+(Q42/$E$33)+(Q72/$E$63))>1,1,0)
=IF(((Q13/$E$2)+(Q43/$E$33)+(Q73/$E$63))>1,1,0)
=IF(((Q14/$E$2)+(Q44/$E$33)+(Q74/$E$63))>1,1,0)
=IF(((Q15/$E$2)+(Q45/$E$33)+(Q75/$E$63))>1,1,0)
=IF(((Q16/$E$2)+(Q46/$E$33)+(Q76/$E$63))>1,1,0)
=IF(((Q17/$E$2)+(Q47/$E$33)+(Q77/$E$63))>1,1,0)
=IF(((Q18/$E$2)+(Q48/$E$33)+(Q78/$E$63))>1,1,0)
=IF(((Q19/$E$2)+(Q49/$E$33)+(Q79/$E$63))>1,1,0)
=IF(((Q20/$E$2)+(Q50/$E$33)+(Q80/$E$63))>1,1,0)
=IF(((Q21/$E$2)+(Q51/$E$33)+(Q81/$E$63))>1,1,0)
=IF(((Q22/$E$2)+(Q52/$E$33)+(Q82/$E$63))>1,1,0)
=IF(((Q23/$E$2)+(Q53/$E$33)+(Q83/$E$63))>1,1,0)
=IF(((Q24/$E$2)+(Q54/$E$33)+(Q84/$E$63))>1,1,0)
=IF(((Q25/$E$2)+(Q55/$E$33)+(Q85/$E$63))>1,1,0)
=IF(((Q26/$E$2)+(Q56/$E$33)+(Q86/$E$63))>1,1,0)
=IF(((Q27/$E$2)+(Q57/$E$33)+(Q87/$E$63))>1,1,0)
=IF(((Q28/$E$2)+(Q58/$E$33)+(Q88/$E$63))>1,1,0)

```

```

32
=IF(((R4/$E$2)+(R34/$E$33)+(R64/$E$63))>1,1,0)
=IF(((R5/$E$2)+(R35/$E$33)+(R65/$E$63))>1,1,0)
=IF(((R6/$E$2)+(R36/$E$33)+(R66/$E$63))>1,1,0)
=IF(((R7/$E$2)+(R37/$E$33)+(R67/$E$63))>1,1,0)
=IF(((R8/$E$2)+(R38/$E$33)+(R68/$E$63))>1,1,0)
=IF(((R9/$E$2)+(R39/$E$33)+(R69/$E$63))>1,1,0)
=IF(((R10/$E$2)+(R40/$E$33)+(R70/$E$63))>1,1,0)
=IF(((R11/$E$2)+(R41/$E$33)+(R71/$E$63))>1,1,0)
=IF(((R12/$E$2)+(R42/$E$33)+(R72/$E$63))>1,1,0)
=IF(((R13/$E$2)+(R43/$E$33)+(R73/$E$63))>1,1,0)
=IF(((R14/$E$2)+(R44/$E$33)+(R74/$E$63))>1,1,0)
=IF(((R15/$E$2)+(R45/$E$33)+(R75/$E$63))>1,1,0)
=IF(((R16/$E$2)+(R46/$E$33)+(R76/$E$63))>1,1,0)
=IF(((R17/$E$2)+(R47/$E$33)+(R77/$E$63))>1,1,0)
=IF(((R18/$E$2)+(R48/$E$33)+(R78/$E$63))>1,1,0)
=IF(((R19/$E$2)+(R49/$E$33)+(R79/$E$63))>1,1,0)
=IF(((R20/$E$2)+(R50/$E$33)+(R80/$E$63))>1,1,0)
=IF(((R21/$E$2)+(R51/$E$33)+(R81/$E$63))>1,1,0)
=IF(((R22/$E$2)+(R52/$E$33)+(R82/$E$63))>1,1,0)
=IF(((R23/$E$2)+(R53/$E$33)+(R83/$E$63))>1,1,0)
=IF(((R24/$E$2)+(R54/$E$33)+(R84/$E$63))>1,1,0)
=IF(((R25/$E$2)+(R55/$E$33)+(R85/$E$63))>1,1,0)
=IF(((R26/$E$2)+(R56/$E$33)+(R86/$E$63))>1,1,0)
=IF(((R27/$E$2)+(R57/$E$33)+(R87/$E$63))>1,1,0)
=IF(((R28/$E$2)+(R58/$E$33)+(R88/$E$63))>1,1,0)

```

