SIMULTANEOUS EQUATIONS ROUTINE (S.E.R.)

3.0601   Modified Oct 7th '60   D.R.S. June 1st 1959

Iteration cut out.   3-06-01   [SER]

J = Odc
K = Odc

```
000001a0dc3e8,
```

Column 1:
```
01a  100a0213f9021,   (struck)
01e  0003000000000,
022  1008357013357,
026  1008024006024,
02a  100a021002021,
02e  100a025002025,
032  1008021004021,
036  000e35801401d,
03a  100a074001074,
03e  0002000000800,
042  000e80035703e,
046  100a03f00203f,
04a  00083e3ff135e,   (struck)
04e  00080003ff000,
052  100804e00904e,
056  00d01681906b,    (struck)
05a  10083ff015359,   (struck)
05e  100a359013359,   (struck)
062  1008358013358,   (struck)
066  000e35801505a,   (struck)
06a  000e3ff35706e,   (struck)
06e  00d135d0dc04e,
072  100501a00006b,   (struck)
076  00080003ff000,
07a  100a3ff3ff018,
07e  100a3ff3ff017,
082  100a3ff3ff016,
086  1008015013014,
08a  100880000a002,
08e  100800a3fd009,
092  100280001935a,
096  100801401335c,
09a  100a01501335d,
09e  100880000200b,
0a2  100a001808004,
0a6  019101001c357,
0aa  100a35701635c,
0ae  001135a01c04e,
0b2  019135d01c04f,   (struck)
0b6  019135819c04f,   (struck)
0ba  100807686635f,   (struck)
0be  100835c00135c,
0c2  001135c19c359,
0c6  100835f019019,
0ca  019135819c03f,
0ce  00d13570dc074,
0d2  10088003f1800,
0d6  001104e19c06c,   (struck)
0da  000e0d80160d8,
```

Column 2:
```
01b  10150dc008,      (struck)
01f  10080133ff357,
023  1008359013359,
027  000e359357029,
02b  1002012359800,
02f  100807400b074,
033  1008024007024,
037  100a025001025,
03b  10083ff013357,
03f  000a000800000,
043  1002012357800,
047  000e35701503c,
04b  100a03e007800,
04f  00080003ff000,   (struck)
053  100804f00204f,   (struck)
057  100a04e00804e,   (struck)
05b  0002000000800,
05f  000e3ff80005b,
063  1008060005060,
067  100a060011060,
06b  0005000000000,
06f  00d13fc0dc009,
073  000501d00001a,
077  019107201c073,   (struck)  (IN)
07b  100a3ff3ff015,   (struck)
07f  019135e19c017,   (struck)
083  00d135e19c016,   (struck)
087  10028003f900a,
08b  10083fb3fd001,
08f  1003006013012,
093  1003021019000,   (struck)
097  10023fb019800,   (struck)
09b  10028001435e,
09f  100235e019357,
0a3  100235c35d800,
0a7  019135f01c35a,
0ab  100a358016358,
0af  019135d01c05c,   (struck)
0b3  100335a01935d,
0b7  00d135f4d805b,
0bb  001135701c0d8,
0bf  100a80035e359,
0c3  100807635c021,
0c7  00d13570dc359,
0cb  019135801c03f,
0cf  00d13584d8024,
0d3  100a800007800,
0d7  00d13584d803e,
0db  10080133ff358,
```

Column 3:
```
019  107301e073,      (struck)
020  10080133ff359,
024  0002000000800,
028  000e359358074,
02c  100a00a800800,
030  000e357015020,
034  100801e00101e,
038  100a0243fc024,   (struck)
03c  10083ff013359,
040  100a03e00603e,
044  100a80000a800,
048  100803f00303f,   (struck)
04c  10088003fc03e,
050  100804d00a800,
054  000e04e01904d,
058  100a04f01004f,   (struck)
05c  000a000800000,
060  000f018000062,
064  100805b00e05b,
068  100a05b00d05b,
06c  000700000006d,   (struck)
070  019104e19c01e,
074  0003000000000,
078  00d101f0dc04c,
07c  00110fec1235e,
080  001135f01c06b,
084  10033fb3f9013,
088  1002800019005,
08c  10083fb3fc00f,   (struck)
090  100800600a00a,
094  100201501335b,
098  100880000d000,   (struck)
09c  1003800019359,
0a0  1008359800003,   (struck)
0a4  100a00480000c,
0a8  10020153f9358,
0ac  100280001935f,
0b0  019135d19c05c,   (struck)
0b4  100a80001635f,
0b8  00d135901c055,
0bc  019101619c0d8,
0c0  100835c00235c,
0c4  1002359019357,
0c8  100a01900a358,
0cc  100a359006358,
0d0  100a358009800,
0d4  100a80000f800,   (struck)
0d8  00082a23ff119,
0dc  000500000001d,
```

Column 4:
```
01a  1008358013358,
021  00082933ff000,
025  000a000800000,
029  000e359358023,
02d  1008024800024,
031  1008025004025,
035  100807400c074,
039  100a01e00101e,   (struck)
03d  1008357013357,
     1008359013359,
     100803e80003e,
     019101719c04d,   (struck)
03b  000200035e35e,
03e  100a80000504d,
042  000835e3ff000,
     10083ff3ff358,   (struck)
     100805b00f05b,   (struck)
     100a357013357,   (struck)
     100805c00205c,   (struck)
     100a05c01005c,   (struck)
     1006000000072,   (struck)
     100500000006c,   (struck)
047  000500000002a,
046  00d135f19c07c,
     025135f25e018,
04a  029135e1b6015,
04e  10033fb3fa019,
052  1002800019800,
056  10083fb005006,
05a  1002014015355,   (struck)
05e  100a3fb80000e,
062  100835a00d010,
066  100235c013800,
065  100a3fc359007,
06a  100201601935e,
06e  100880000d35d,
072  019135d19c04e,
     019135d0dc060,   (struck)
076  100835b35d359,
     00d13590dc06c,   (struck)
078  100a35f016016,
07c  001135981401e,
080  001135c01c025,
084  001135c19c025,
088  0011025814074,
08c  10088003fd800,
090  100a8003fb358,   (100a8003fb800 / 100a8003fc800)
094  10080d8002od8,
```

BPT

J = Odc, K = Odc   Locations 001 - 019 used for OPSTO and if routine is to be adapted the corresponding locations must be cleared.

00000010013ff,　　　005000000047,　　　000013098e3e8,

13 100835800e358,　00030ea0e30ea,　100800e3ff357,　100800e3ff359,
17 0008er13rrer1,　100835700e357,　100835900e359,　00020ea0ea800,
1b 000a0r18000r1,　100801a00601a,　100e35935701f,　100e359358044,
1f 100e359358019,　1008017003017,　100200d359800,　100a009800800,
23 100801a80001a,　100801b00301b,　100804400a044,　100e357010016,
27 100801b00401b,　1008017004017,　100801a00701a,　1008014002014,
2b 100804400b044,　100e35800r013,　10083ff00e357,　10083ff00e359,
2f 100835700e357,　000210410c800,　000a0e28000e2,　100a030006030,
33 100835900e359,　100e800357030,　100200d357800,　100a800009800,
37 1008030800030,　100a031003031,　100e35701002e,　100a030007800,
3b 10088003fe030,　000211335e35e,　00081133ff346,　100803e009800,
3f 100a80000503e,　100803d00803d,　100e80001203c,　000835e3ff346,
43 000500000000df,　00030r10eb0r1,　000500000020,　00080003ff000,
47 001135r01e043,　10033rb3r900e,　119135r19c356,　125135r1b6010,
4b 100a3ff356011,　10033rb3ra012,　100801000e00f,　100280003r9009,
4f 1002800012005,　1002800012800,　100880000 9003,　10083rb3rd002,
53 10083rb005006,　10080093rd008,　100300600e00d,　1008006009009,
57 100200r010355,　100280001235a,　1003355012354,　100201000e35b,
5b 100800r00e35c,　100835a35400c,　100a01000e35d,　100280000r35e,
5f 1003800012359,　100235e00e800,　100880000300a,　100235e012357,
63 100a3rc359007,　1008359357800,　100a002800004,　100235e35d800,
67 100a00480000b,　100201101235e,　019135601c357,　00d135r01e35a,
6b 10020103r9358,　100880035635d,　100a35701135c,　100a358011358,
6f 100280001235f,　019135d19e03d,　001135a01e03d,　100335a01235d,
73 100a80001135f,　100835b35d359,　00d180001c042,　100804635435f,
77 001135701c095,　019101119c095,　100a35r011011,　100835c00235c,
7b 100a80035e359,　100835c00335c,　0011359814014,　001135c19c359,
7f 100804635c017,　1002359012357,　001135c01c01b,　100835f356012,
83 00d13570dc359,　100a012009358,　001135c19c01b,　019135819c031,
87 019135801c031,　100a359006358,　001101b814044,　00d13570dc044,
8b 00d13584d801a,　100a358008800,　10088003rd800,　1008800355800,
8f 100a800007800,　100a8003rb800,　100a8003fc800,　100a8003rb358,
93 00d18004d8030,　001109519c03c,　00081143ff114,　1008095003095,
97 100e095011095,　100800e3ff358,　00083fe3ff35e,　0005000000013,

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013 100835800e358,
7 00080f13ff0f1,
b 000a0f18000f1,
f 100e359358019,
27 100801a80001a,
7 100801b00401b,
b 100804400b044,
6 100835700e357,
33 100835900e359,
7 1008030800030,
b 10088003fc030,
f 100a80000503c,
43 00050000000df,
7 001135f01c043,
b 100a3ff356011,
f 1002800012005,
53 10083fb005006,
7 100200f010355,
b 100800f00e35c,
f 1003800012359,
63 100a3fc359007,
7 100a00480000b,
b 10020103f9358,
f 100280001235f,
73 100a80001135f,
7 001135701c095,
b 100a80035e359,
f 100804635c017,
83 00d13570dc359,
7 019135801c031,
b 00d13584d801a,
f 100a800007800,
93 00d18004d8030,
7 100e095011095,

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10033fb3fa012,
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100a01000e35d,
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100a002800004,
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100a35f011011,
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100d35d3ff38d,    100f35d3f83b8,    100935d3b735c,    00083f83ff35e,
000e35c3f5378,    000335c3f535c,    000235e3e935e,    0005000000374,
000e35c3f637c,    000335c3f635c,    000235e3ea35e,    0005000000378,
000e3f435c380,    000235c3f535c,    000335e3e935e,    000500000037c,
000e3ee35c384,    000235c3b635c,    000335e3ea35e,    0005000000380,
100a35e35e35e,    000835c3f035c,    0005000000389,    100335e3fa35e,
100335c3b535c,    024180001435e,    00113ff24535c,    100e35e3fa387,
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100f35f3fa392,    000035d35d392,    100d35d3ff3b2,    100935d3ff35c,
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100e3ff800396,    000335e3f535e,    100835c3f8800,    00038003f835c,
000e8003e93a4,    000235e3f535e,    000335c3e935c,    00050000003a0,
000e35c3ea3a8,    000335c3ea35c,    000235e3f635e,    00050000003a4,
00033fe35c35c,    000e8003e93ad,    000335e3f535e,    000335c3e935c,
00050000003a9,    000e35c3ea3b1,    000335c3ea35c,    000335e3f635e,
00050000003ad,    032135d32135e,    10083553fd355,    10083573fb357,
0005000000355,    000199999999a,    004a000000001,    0000000000020,
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10083bb3ff358,    0005000000361,    00050003c33bc,    00d135801c358,
119135f0dc35a,    125135f0dc35b,    100a35a3fc35a,    10038003eb800,
1008359800359,    100e35f3ff3b8,    100935d3ff35e,    11918000dc35c,
100e35b35c3c8,    100335a3eb800,    100835e80035e,    125135d25435c,
100c35c3fa3cd,    10d135e0dc35c,    100e35b35c3cd,    100835e35a35e,
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