

MOS sequence $\frac{2}{1}, \frac{3}{2}$

Of Viggo Brun's Euclidian Algorithm

date: July 14, 1995

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1.000000 .584962

1.000000 .584962

(2/1) 1.000000

1 0

(4/3) .415032

1 0

(3/2) .584962

0 1

(3/2) .584962

1 1

(3/2) .584962

1

1

(9/8) .169925

1

1

(4/3) .415037

1

0

(4/3) .415037

2

1

(4/3) .415037

2

1

(32/27) .245112

2

1

(9/8) .169925

1

1

(9/8) .169925

3

2

(32/27) .245112

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(256/243) .075187

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1

(9/8) .169925

3

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(9/8) .169925

5

3

(9/8) .169925

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(2187/2084) .094738

5

3

(256/243) .075187

2

1

(256/243) .075187

7

4

(2187/2084) .094738

5

3

(531,441/524,288) .019547

5

3

(256/243) .075187

7

4

(256/243) .075187

12

7

(256/243) .075187

12

7

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12

7

(531,441/524,288) .019547

5

3

.0195500086532

17

10

.055637...

12

7

.0360874790921

12

7

.019550...

17

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.019550...

29

17

.036087...

12

7

.0165374704389

12

7

.019550...

29

17

.019550...

41

24

.019550...

41

24

(9) .00301253821430

41

24

.016537...

12

7

.016537...

53

31

.016537...

53

31

.0135249322246

53

31

.003012...

41

24

.003012...

94

55

.013524...	53	31	⑤ .0105123940103	53	31
.003012...	94	55	.003012...	<u>147</u>	86

.010512...	53	31	⑥ .00749985579600	53	31
.003012...	147	86	⑨ .003012	<u>200</u>	117

.007499..	53	31	⑦ .00448731758170	53	31
.003012..	200	117	.003012	<u>253</u>	148

.004487	53	31	⑧ .00147477936740	53	31
.003012	253	148	⑨ .003012...	<u>306</u>	179

.003012...	306	179	④ .00153775884690	306	179
.001474...	53	31	.001474...	<u>359</u>	210

.001537	306	179	⑤ .0000629794795000	306	179
.001474	359	210	.001474...	<u>665</u>	389

MOS sequence $\frac{3}{1}, \frac{3}{2}$

Og Viggo Brun's Euclidian Algorithm

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Formula steps

		X1	Y1		X1	Y1
A	$(\frac{3}{2})$.584962	1	1	A-B= $(\frac{9}{8})$.169925	1	1
B	$(\frac{4}{3})$.415037	1	0	B $(\frac{4}{3})$.415037	2	1
		X2	Y2		X1+X2	Y1+Y2

Diagram notes: A bracket groups the X1 and Y1 columns of rows A and B. A horizontal line with an arrow points from the Y1 column of row B to the Y1 column of the next row.

Sort larger of these two and
place in A in next row to the left

ERV-5TH

VIGGO BRUN'S METHOD WITH TWO INTERVALS--OCTAVE AND 5TH
ERV WILSON 14 JUL 95

(COMPUTATION BEYOND 665 BY LARRY A. HANSON)

INTERVALS	OCTAVE	.5850	INTERVALS	OCTAVE	.5850		
1.000000000	1	0	.415037499	1	0		
.584962501	0	1	.584962501	1	1	1	.5849625007211560
.584962501	1	1	.169925001	1	1		
.415037499	1	0	.415037499	2	1	2	1.1699250014423100
.415037499	2	1	.245112498	2	1		
.169925001	1	1	.169925001	3	2	3	1.7548875021634700
.245112498	2	1	.075187496	2	1		
.169925001	3	2	.169925001	5	3	5	2.9248125036057800
.169925001	5	3	.094737505	5	3		
.075187496	2	1	.075187496	7	4	7	4.0947375050480900
.094737505	5	3	.019550009	5	3		
.075187496	7	4	.075187496	12	7	12	7.0195500086538700
.075187496	12	7	.055637488	12	7		
.019550009	5	3	.019550009	17	10	17	9.9443625122596600
.055637488	12	7	.036087479	12	7		
.019550009	17	10	.019550009	29	17	29	16.9639125209135000
.036087479	12	7	.016537470	12	7		
.019550009	29	17	.019550009	41	24	41	23.9834625295674000
.019550009	41	24	.003012538	41	24		
.016537470	12	7	.016537470	53	31	53	31.0030125382213000
.016537470	53	31	.013524932	53	31		
.003012538	41	24	.003012538	94	55	94	54.9864750677887000
.013524932	53	31	.010512394	53	31		
.003012538	94	55	.003012538	147	86	147	85.9894876060100000
.010512394	53	31	.007499856	53	31		
.003012538	147	86	.003012538	200	117	200	116.9925001442310000
.007499856	53	31	.004487318	53	31		
.003012538	200	117	.003012538	253	148	253	147.9955126824530000
.004487318	53	31	.001474779	53	31		
.003012538	253	148	.003012538	306	179	306	178.9985252206740000
.003012538	306	179	.001537759	306	179		
.001474779	53	31	.001474779	359	210	359	210.0015377588950000

.001537759	306	179	.000062980	306	179		
.001474779	359	210	.001474779	665	389	665	389.0000629795690000
.001474779	665	389	.001411800	665	389		
.000062980	306	179	.000062980	971	568	971	567.9985882002430000
.001411800	665	389	.001348820	665	389		
.000062980	971	568	.000062980	1636	957	1636	956.9986511798120000
.001348820	665	389	.001285841	665	389		
.000062980	1636	957	.000062980	2301	1346	2301	1345.9987141593800000
.001285841	665	389	.001222861	665	389		
.000062980	2301	1346	.000062980	2966	1735	2966	1734.9987771389500000
.001222861	665	389	.001159881	665	389		
.000062980	2966	1735	.000062980	3631	2124	3631	2123.9988401185200000
.001159881	665	389	.001096902	665	389		
.000062980	3631	2124	.000062980	4296	2513	4296	2512.9989030980900000
.001096902	665	389	.001033922	665	389		
.000062980	4296	2513	.000062980	4961	2902	4961	2901.9989660776600000
.001033922	665	389	.000970943	665	389		
.000062980	4961	2902	.000062980	5626	3291	5626	3290.9990290572200000
.000970943	665	389	.000907963	665	389		
.000062980	5626	3291	.000062980	6291	3680	6291	3679.9990920367900000
.000907963	665	389	.000844984	665	389		
.000062980	6291	3680	.000062980	6956	4069	6956	4068.9991550163600000
.000844984	665	389	.000782004	665	389		
.000062980	6956	4069	.000062980	7621	4458	7621	4457.9992179959300000
.000782004	665	389	.000719024	665	389		
.000062980	7621	4458	.000062980	8286	4847	8286	4846.9992809755000000
.000719024	665	389	.000656045	665	389		
.000062980	8286	4847	.000062980	8951	5236	8951	5235.9993439550700000
.000656045	665	389	.000593065	665	389		
.000062980	8951	5236	.000062980	9616	5625	9616	5624.9994069346400000
.000593065	665	389	.000530086	665	389		
.000062980	9616	5625	.000062980	10281	6014	10281	6013.9994699142100000
.000530086	665	389	.000467106	665	389		
.000062980	10281	6014	.000062980	10946	6403	10946	6402.9995328937800000
.000467106	665	389	.000404127	665	389		
.000062980	10946	6403	.000062980	11611	6792	11611	6791.9995958733400000
.000404127	665	389	.000341147	665	389		

.000062980	11611	6792	.000062980	12276	7181	12276	7180.9996588529100000
.000341147	665	389	.000278168	665	389		
.000062980	12276	7181	.000062980	12941	7570	12941	7569.9997218324800000
.000278168	665	389	.000215188	665	389		
.000062980	12941	7570	.000062980	13606	7959	13606	7958.9997848120500000
.000215188	665	389	.000152208	665	389		
.000062980	13606	7959	.000062980	14271	8348	14271	8347.9998477916200000
.000152208	665	389	.000089229	665	389		
.000062980	14271	8348	.000062980	14936	8737	14936	8736.9999107711900000
.000089229	665	389	.000026249	665	389		
.000062980	14936	8737	.000062980	15601	9126	15601	9125.9999737507600000
.000062980	15601	9126	.000036730	15601	9126		
.000026249	665	389	.000026249	16266	9515	16266	9515.0000367303300000
.000036730	15601	9126	.000010481	15601	9126		
.000026249	16266	9515	.000026249	31867	18641	31867	18641.0000104811000000
.000026249	31867	18641	.000015768	31867	18641		
.000010481	15601	9126	.000010481	47468	27767	47468	27766.9999842318000000
1.57682E-5	31867	18641	5.28707E-6	31867	18641		
1.04811E-5	47468	27767	1.04811E-5	79335	46408	79335	46407.9999947129000000
1.04811E-5	79335	46408	5.19401E-6	79335	46408		
5.28707E-6	31867	18641	5.28707E-6	111202	65049	111202	65049.0000051940000000
5.28707E-6	111202	65049	9.30653E-8	111202	65049		
5.19401E-6	79335	46408	5.19401E-6	190537	111457	190537	111456.9999999070000000
5.19401E-6	190537	111457	5.10094E-6	190537	111457		
9.30653E-8	111202	65049	9.30653E-8	301739	176506	301739	176506.0000051010000000
5.10094E-6	190537	111457	5.00788E-6	190537	111457		
9.30653E-8	301739	176506	9.30653E-8	492276	287963	492276	287963.0000050080000000
5.00788E-6	190537	111457	4.91481E-6	190537	111457		
9.30653E-8	492276	287963	9.30653E-8	682813	399420	682813	399420.0000049150000000
4.91481E-6	190537	111457	4.82175E-6	190537	111457		
9.30653E-8	682813	399420	9.30653E-8	873350	510877	873350	510877.0000048220000000
4.82175E-6	190537	111457	4.72868E-6	190537	111457		
9.30653E-8	873350	510877	9.30653E-8	1063887	622334	1063887	622334.0000047290000000
4.72868E-6	190537	111457	4.63562E-6	190537	111457		
9.30653E-8	1063887	622334	9.30653E-8	1254424	733791	1254424	733791.0000046360000000
4.63562E-6	190537	111457	4.54255E-6	190537	111457		
9.30653E-8	1254424	733791	9.30653E-8	1444961	845248	1444961	845248.0000045430000000

4.54255E-6	190537	111457	4.44949E-6	190537	111457		
9.30653E-8	1444961	845248	9.30653E-8	1635498	956705	1635498	956705.0000044490000000
4.44949E-6	190537	111457	4.35642E-6	190537	111457		
9.30653E-8	1635498	956705	9.30653E-8	1826035	1068162	1826035	1068162.0000043600000000
4.35642E-6	190537	111457	4.26336E-6	190537	111457		
9.30653E-8	1826035	1068162	9.30653E-8	2016572	1179619	2016572	1179619.0000042600000000
4.26336E-6	190537	111457	4.17029E-6	190537	111457		
9.30653E-8	2016572	1179619	9.30653E-8	2207109	1291076	2207109	1291076.0000041700000000
4.17029E-6	190537	111457	4.07723E-6	190537	111457		
9.30653E-8	2207109	1291076	9.30653E-8	2397646	1402533	2397646	1402533.0000040800000000
4.07723E-6	190537	111457	3.98416E-6	190537	111457		
9.30653E-8	2397646	1402533	9.30653E-8	2588183	1513990	2588183	1513990.0000039800000000
3.98416E-6	190537	111457	3.89109E-6	190537	111457		
9.30653E-8	2588183	1513990	9.30653E-8	2778720	1625447	2778720	1625447.0000038900000000
3.89109E-6	190537	111457	3.79803E-6	190537	111457		
9.30653E-8	2778720	1625447	9.30653E-8	2969257	1736904	2969257	1736904.0000038000000000
3.79803E-6	190537	111457	3.70496E-6	190537	111457		
9.30653E-8	2969257	1736904	9.30653E-8	3159794	1848361	3159794	1848361.0000037100000000
3.70496E-6	190537	111457	3.61190E-6	190537	111457		
9.30653E-8	3159794	1848361	9.30653E-8	3350331	1959818	3350331	1959818.0000036100000000
3.61190E-6	190537	111457	3.51883E-6	190537	111457		
9.30653E-8	3350331	1959818	9.30653E-8	3540868	2071275	3540868	2071275.0000035200000000
3.51883E-6	190537	111457	3.42577E-6	190537	111457		
9.30653E-8	3540868	2071275	9.30653E-8	3731405	2182732	3731405	2182732.0000034300000000
3.42577E-6	190537	111457	3.33270E-6	190537	111457		
9.30653E-8	3731405	2182732	9.30653E-8	3921942	2294189	3921942	2294189.0000033300000000
3.33270E-6	190537	111457	3.23964E-6	190537	111457		
9.30653E-8	3921942	2294189	9.30653E-8	4112479	2405646	4112479	2405646.0000032400000000
3.23964E-6	190537	111457	3.14657E-6	190537	111457		
9.30653E-8	4112479	2405646	9.30653E-8	4303016	2517103	4303016	2517103.0000031500000000
3.14657E-6	190537	111457	3.05351E-6	190537	111457		
9.30653E-8	4303016	2517103	9.30653E-8	4493553	2628560	4493553	2628560.0000030500000000
3.05351E-6	190537	111457	2.96044E-6	190537	111457		
9.30653E-8	4493553	2628560	9.30653E-8	4684090	2740017	4684090	2740017.0000029600000000
2.96044E-6	190537	111457	2.86738E-6	190537	111457		
9.30653E-8	4684090	2740017	9.30653E-8	4874627	2851474	4874627	2851474.0000028700000000
2.86738E-6	190537	111457	2.77431E-6	190537	111457		
9.30653E-8	4874627	2851474	9.30653E-8	5065164	2962931	5065164	2962931.0000027700000000

2.77431E-6	190537	111457	2.68125E-6	190537	111457		
9.30653E-8	5065164	2962931	9.30653E-8	5255701	3074388	5255701	3074388.0000026800000000
2.68125E-6	190537	111457	2.58818E-6	190537	111457		
9.30653E-8	5255701	3074388	9.30653E-8	5446238	3185845	5446238	3185845.0000025900000000
2.58818E-6	190537	111457	2.49512E-6	190537	111457		
9.30653E-8	5446238	3185845	9.30653E-8	5636775	3297302	5636775	3297302.0000025000000000
2.49512E-6	190537	111457	2.40205E-6	190537	111457		
9.30653E-8	5636775	3297302	9.30653E-8	5827312	3408759	5827312	3408759.0000024000000000
2.40205E-6	190537	111457	2.30898E-6	190537	111457		
9.30653E-8	5827312	3408759	9.30653E-8	6017849	3520216	6017849	3520216.0000023100000000
2.30898E-6	190537	111457	2.21592E-6	190537	111457		
9.30653E-8	6017849	3520216	9.30653E-8	6208386	3631673	6208386	3631673.0000022200000000
2.21592E-6	190537	111457	2.12285E-6	190537	111457		
9.30653E-8	6208386	3631673	9.30653E-8	6398923	3743130	6398923	3743130.0000021200000000
2.12285E-6	190537	111457	2.02979E-6	190537	111457		
9.30653E-8	6398923	3743130	9.30653E-8	6589460	3854587	6589460	3854587.0000020300000000
2.02979E-6	190537	111457	1.93672E-6	190537	111457		
9.30653E-8	6589460	3854587	9.30653E-8	6779997	3966044	6779997	3966044.0000019400000000
1.93672E-6	190537	111457	1.84366E-6	190537	111457		
9.30653E-8	6779997	3966044	9.30653E-8	6970534	4077501	6970534	4077501.0000018400000000
1.84366E-6	190537	111457	1.75059E-6	190537	111457		
9.30653E-8	6970534	4077501	9.30653E-8	7161071	4188958	7161071	4188958.0000017500000000
1.75059E-6	190537	111457	1.65753E-6	190537	111457		
9.30653E-8	7161071	4188958	9.30653E-8	7351608	4300415	7351608	4300415.0000016600000000
1.65753E-6	190537	111457	1.56446E-6	190537	111457		
9.30653E-8	7351608	4300415	9.30653E-8	7542145	4411872	7542145	4411872.0000015600000000
1.56446E-6	190537	111457	1.47140E-6	190537	111457		
9.30653E-8	7542145	4411872	9.30653E-8	7732682	4523329	7732682	4523329.0000014700000000
1.47140E-6	190537	111457	1.37833E-6	190537	111457		
9.30653E-8	7732682	4523329	9.30653E-8	7923219	4634786	7923219	4634786.0000013800000000
1.37833E-6	190537	111457	1.28527E-6	190537	111457		
9.30653E-8	7923219	4634786	9.30653E-8	8113756	4746243	8113756	4746243.0000012900000000
1.28527E-6	190537	111457	1.19220E-6	190537	111457		
9.30653E-8	8113756	4746243	9.30653E-8	8304293	4857700	8304293	4857700.0000011900000000
1.19220E-6	190537	111457	1.09914E-6	190537	111457		
9.30653E-8	8304293	4857700	9.30653E-8	8494830	4969157	8494830	4969157.0000011000000000
1.09914E-6	190537	111457	1.00607E-6	190537	111457		

9.30653E-8	8494830	4969157	9.30653E-8	8685367	5080614	8685367	5080614.0000010100000000
1.00607E-6	190537	111457	9.13005E-7	190537	111457		
9.30653E-8	8685367	5080614	9.30653E-8	8875904	5192071	8875904	5192071.0000009100000000
9.13005E-7	190537	111457	8.19940E-7	190537	111457		
9.30653E-8	8875904	5192071	9.30653E-8	9066441	5303528	9066441	5303528.0000008200000000
8.19940E-7	190537	111457	7.26874E-7	190537	111457		
9.30653E-8	9066441	5303528	9.30653E-8	9256978	5414985	9256978	5414985.0000007300000000
7.26874E-7	190537	111457	6.33809E-7	190537	111457		
9.30653E-8	9256978	5414985	9.30653E-8	9447515	5526442	9447515	5526442.0000006300000000
6.33809E-7	190537	111457	5.40744E-7	190537	111457		
9.30653E-8	9447515	5526442	9.30653E-8	9638052	5637899	9638052	5637899.0000005400000000
5.40744E-7	190537	111457	4.47678E-7	190537	111457		
9.30653E-8	9638052	5637899	9.30653E-8	9828589	5749356	9828589	5749356.0000004500000000
4.47678E-7	190537	111457	3.54613E-7	190537	111457		
9.30653E-8	9828589	5749356	9.30653E-8	10019126	5860813	10019126	5860813.0000003500000000
3.54613E-7	190537	111457	2.61548E-7	190537	111457		
9.30653E-8	10019126	5860813	9.30653E-8	10209663	5972270	10209663	5972270.0000002600000000
2.61548E-7	190537	111457	1.68482E-7	190537	111457		
9.30653E-8	10209663	5972270	9.30653E-8	10400200	6083727	10400200	6083727.0000001700000000
1.68482E-7	190537	111457	7.54171E-8	190537	111457		
9.30653E-8	10400200	6083727	9.30653E-8	10590737	6195184	10590737	6195184.0000000800000000
9.30653E-8	10590737	6195184	1.76482E-8	10590737	6195184		
7.54171E-8	190537	111457	7.54171E-8	10781274	6306641	10781274	6306640.9999998000000000
7.54171E-8	10781274	6306641	5.77689E-8	10781274	6306641		
1.76482E-8	10590737	6195184	1.76482E-8	21372011	12501825	21372011	12501825.0000001000000000
5.77689E-8	10781274	6306641	4.01207E-8	10781274	6306641		
1.76482E-8	21372011	12501825	1.76482E-8	32153285	18808466	32153285	18808466.0000000000000000
4.01207E-8	10781274	6306641	2.24726E-8	10781274	6306641		
1.76482E-8	32153285	18808466	1.76482E-8	42934559	25115107	42934559	25115107.0000000000000000
2.24726E-8	10781274	6306641	4.82437E-9	10781274	6306641		
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1.76482E-8	53715833	31421748	1.28238E-8	53715833	31421748		
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4.82437E-9 171928773 100571885	1.64928E-9 171928773 100571885		
3.17509E-9 53715833 31421748	3.17509E-9 225644606 131993633	225644606	131993633.0000000000000000
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1.64928E-9 397573379 232565518	1.23461E-10 397573379 232565518		
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1.23461E-10 397573379 232565518	1.23461E-10 1020791364 597124669	1020791364	597124669.0000000000000000