${\color{red}\mathbf{cc}} acgtcctacccacgcccactcggttac$ 

rhomel 2.9	cell 10	ecceececececececececececececececececec
rhomel	cell 13	ecceccecceccecceccecceccecceccecccccccc
rhomelm1	cell 8	ececececececececececececececececececec
rhomelm2	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rhomeld+	cell 10	ececececececececececececececececececec
${\rm rhomeld} +$	cell 13	ececececececececececececececececececec
rhomelm1d+	cell 8	eccececececececececececececececececece
${ m rhomelm2d}+$	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		aaaacacacgcacgcacacggcgatagaaattaacacgtagtttagcggaactttgtggcaagtgcaacaaaagtcgaagtcgcggacgattcaaatgaaaatctgcaatgctgcggaaggacaacccacctgtctatgagtgtgcgagtgtgcgagtgtgtgt
rhovir 2	cell 5	eccececececececececececececececececece

rhovir	cell 6	ececececececececececececececececececec
rhovirm1	cell 8	eccececececececececececececececececece
rhovirm2	cell 9	eccececececececececececececececececece
rhovird+	cell 5	eccecececececedececedececececececececec
rhovird+	cell 6	eccececececececececececececececececece
rhovirm1d+	cell 8	ecceccecceccecceccecceccecceccecceccecc
rhovirm2d+	cell 9	eeecececececececececececececececececec
		$tattgaaagtgccgaagttagcgggcatttcacttacctgcgtgggaaaatcgactaatctgcgaccgccccgaggagtcagtttttgtt\\tttagagcggtaaaggacaggtaacgggccacatgtctggccggaaattccccgttgacccctgaccccgtgtccttatgacgaattcgt\\cacttggcgtgagcacacctggatttcccaccgcttagccagcggaaattccaaaacacctccggcccacatggcctcaaaattgttata\\tgctctgctacgatgaagcagaagcagaagcagcagtgttttattggcggaagcatccgccaaattgcacccaatctgcagtttgaagtg\\ctcaaaacccccaccgctcccctgtgaatttccgccggccg$
vnmel 3	cell 5	eccececececececececececececececececece
vnmel	cell 6	ecceccecceccecccccccccccccccccccccccccc

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		eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		000000000000000000000000000000000000000
		000000000000000000000000000000000000000
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vnmelm1	cell 8	ecceccecceccecceccecceccecceccecceccecc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececececececececececececececececec
		ecceececececececececececececececececec
		ecceeccececcececcececcececcecececececece
vnmelm2	cell 9	ecceececececececececececececececececec
		eccececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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vnmeld+	cell 5	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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		ecceecceecceecceecceecceecceecceecceec
		ecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeeccee
		ecceeecceeecceeecceeecceeecceeecceeecceeecceeec
vnmeld+	cell 6	ecceeecceeecceecceecceecceecceecceecceecceecceecceecceecceecceecceecceeccee
•		ecceeecceeecceeecceeecceeecceteecceeeccedeecceeecceeecceeecceecc
		ecceeecceeecceeecdecceeecdecceeecceeeccdeceecceeecceeecceeecceecceeecceeecceeeccee
		ecceeecceeecceecceecceecceecceecceecceecceecceecceecceecceecceecceecceeccee
		ecceccccccccccccccccccccccccccccccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
vnmelm1d+	cell 8	000000000000000000000000000000000000000
,,		eccececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
vnmelm2d+	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
VIIII1011111201	con o	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccecececececececececececececececececece
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		ecceccecceccecceccecceccecceccecceccecc
		CONTROL CONTRO

vnvir 3	cell 7	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccecececececececececececececececececece
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eecceeccecceccecceccccccccccccccccccccc
		eecceeccecceccecceccccccccccccccccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
vnvir	cell 8	eecceeccecceccecceccccccccccccccccccccc
		ecceecececececececececececececececececec
		ecceecececececececececececececececececec
		eeccecceccecceccecccccccccccccccccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeee
vnvirm1	cell 8	eecceeccecceccecceccccccccccccccccccccc
		ecceeecceeecceeecceeecceeecceeecceeecceeetseecceeedecceeeccee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececececececececececececececececec
		ecceececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
vnvirm2	cell 9	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceccecceccecceccecceccccccccccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeee
vnvird+	cell 7	eecceeecceeecceeecceeecceeecceeecceee
		eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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vnvird+	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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vnvirm1d+	cell 8	eeceeeeceeeeceeeeceeeeceeeceeeceeeceee
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m vnvirm2d+	cell 9	eccececececececececececececececececece
		a atgggaaaacatgcggtgggaaaaacacatcgcgaaacatttggcgcaacttgcggaagacaagtgcggctgcaacaaaaagtcgcgaaacaacatcgcgaaaacatttggcgcaacatgggaagacacatggggaaacacttgctggggaagagggaagggcaagtggcgggaatttcctgattcgcgatgccatgaggaactcgcatatgttgagcacatgttttgggggaaattcccgggcgacgggcaggaactcaacgtcctgtcctgcgtgggaaaagccaaaggcaaaagccaaaggaaataacgtcctgtcctgcgtgggaaaagccaaaggcaaaagccaaaggaaataacgtcctgtcctgcggggaaaagccaaaggaaaagccaaaggaaaaagccaaagaaaagcaaaagaaaagcaaaagaaaaaa
		ccacgtcctacccacgcccactcggttac
rhomel 3.1	cell 10	eccececececececececececececececececece
rhomel	cell 13	ecceeccecceccecceccecccccccccccccccccc
rhomelm1	cell 8	ecceeccecceccecceccecccccccccccccccccc
rhomelm2	cell 9	eccececececececececececececececececece
rhomeld+	cell 10	eccececececececececececececececececece
rhomeld+	cell 13	eccececececececececececececececececece
rhomelm1d+	cell 8	eccececececececececececececececececece
rhomelm2d+	cell 9	eccececececececececececececececececece

rhovir 2.1	cell 5	eeccecceccecceccccccccccccccccccccccccc
		ecceccecceccecceccecccccccccccccccccccc
		ecceeeeceeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccecececececedeccedeccecececececececec
rhovir	cell 6	000000000000000000000000000000000000000
		000000000000000000000000000000000000000
		eeceeeceeceeceeceeceeceeceeceeceeceecee
		ecceeecceeeccedeeccedeecceeecceeecceeecceeecceeecceeecceeeccee
rhovirm1	cell 8	eececececececececececececececececececece
1110 / 111111	0011 0	epecepecepecepecepecepecepecepecepecepe
		eeceeeceeceeceeceeceeceeceeceeceeceecee
		eccececececedeccedeccececececececececec
rhovirm2	cell 9	
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeceeeceeceeceeceeceeceeceeceeceeceecee
		eccececececedeccedeccececececececececec
rhovird+	cell 5	eececececececececececececececececececece
,		eececececececececececececececececececece
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccececececedeccedeccececececececececec
rhovird+	cell 6	ecceeecceeecceeecceeecceeecceeecceeec
		ecceccecceccecceccecccccccccccccccccccc
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccececececedececedecececececececececec
rhovirm1d+	cell 8	ecceeecceeecceeecceeecceeecceeecceeec
		eccececcececcecceccecccccccccccccccccc
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeecceeeccedeeccedeecceeecceeecceeecceeecceeecceeecceeecceecceeecceeeccee
rhovirm2d+	cell 9	ecceeecceeecceeecceeecceeecceeecceeec
·		ecceeecceeecceeecceeecceeecceecceeccee
		ecceeeecceeeecceeecceeecceeecceeeccee
		ecceeecceeeccedeeccedeecceeecceeecceeecceeecceeecceeecceeecceecceeecceeeccee

1.0	11 =	
vnmel 3	cell 5	eeceeeeceeeeeeeeeeeeeeeeeeeeeeeee
		eeceeeceeceeceeceeceeceeceeceeceeceecee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeceeeceeeceeceeceeceeceeceeceeceeceece
		ecceccecceccecceccecceccecceccecceccecc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
vnmel	cell 6	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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vnmelm1	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
vnmelm2	cell 9	ecceeecceeecceeecceeecceeecceeecceeec
		ecceeecceeecceeecceeecceeecceecceeccee
		ecceeecceeecceecceecceecceecceecceecceecceecceecceecceecceecceecceecceecceeccee
		ecceccecceccecceccccccccccccccccccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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vnmeld+	cell 5	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
,		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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vnmeld+	cell 6	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
viiiicia <sub> </sub>	cen o	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccecececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		000000000000000000000000000000000000000
rmmolm1d+	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
vnmelm1d+	cen 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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vnmelm2d+	cell 9	eeceeeceeeceeeceeeceeeceeeceeeceeecee
		eccecececececececececececececececececece
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		eececeececeececececececececececececece
4.1.	11.0	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
vnvirm1d+	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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vnvirm2d+	cell 9	ecceececececececececececececececececec
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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		agettttcctctgctcaaaatcaaaatgattaaaacaacagtttgatacgaattttaattcccctttttgctgcggagtcagttaagtgatt
		gtcgctttcaggactcagggcatcatccagatcgcacgatcccatttgcatctgccttctcagaagctgcttgaaagacgcgcccctgcagatcgcatttgcatctgcatttgcatctgccttctcagaagctgcttgaaagacgcgcccctgcatttgcatctgcatttgcatctgcatttgc
		ggatgattagtgctaagatccttgggcaggatggaaaaatgggaaaaacatgcggtgggaaaaacacacac
		ttgcggaagacaagtgcggctgcaacaaaaagtcgcgaaacgaaactctgggaagcggaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaaggacaccttgctgtgcgcgggaaaaaaggacaccttgctgtgcgcgggaaaaaaaggacaccttgctgtgcgcggaaaaaaaggacaccttgctgtgcgcggaaaaaaaa
		caagtgg cgg gggaattteetgattegegatgeeatgaggeactegeeaagettgaegegttgttttgggggaaatteeegggegatgegatgegatgegatgeeggggaatteeegggegatgega
		gccaggaatcaacgtcctgtcctgcgtgggaaaagcccacgtcctacccacgcccactcggttacctgaattcgagctcgagtgtttt
		${\tt gtggctgagattgctttggtacggtggctgaccttgccagtgccagtgggtccatgtcc}$
rho2216t1t2s4a 3.1	cell 10	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
111022100102540 0.1	cen io	eececececececececececececececececececece
		eececececececececececececececececececece
		eeeeeeeeeteeeeeeeeeeeeeeeeeeeeeeeeeeee
		eteeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ec
		ecceccecceccecceccecceccecceccccccccccc
rho2216t1t2s4a	cell 13	ecceccecceccecceccecceccecceccecceccecc
11102210010254a	Cell 19	
		ecceccecceccecceccecccccccccccccccccc
		ecceecceetecceecceecceecceecceecceeccee
		ecceccecceccecceccecceccecceccccccccccc
mb = 221 G+1+2 = 4 = m 1	0.011 0	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am1	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		000000000000000000000000000000000000000
		ecceecceccecceccecceccccccccccccccccccc
		eccececceetseccececcecceccecccccccccccc
		etseeeeseeedeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccecececececececececececececececececece
1 00101110 1 0	11.0	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am2	cell 9	eeeeeeeseeeeeeeeeeeeeeeeeeeeeeeeeeeeeee

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		eeeeeeeeetseeeeeeeeeeeeeeeeeeeeeeeeeeee
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	-1	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4ad+	cell 10	ecceccecceccecceccecceccecceccecceccecc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceecceccecceccecceccccccccccccccccccc
${\rm rho}2216{\rm t}1{\rm t}2{\rm s}4{\rm ad}+$	cell 13	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceecee et ecceeceeceeceeceeceeceeceeceeceeceeceec
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		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am1d+	cell 8	eccececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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		ecceeeceets ecceeeceeceeceeceeceeceeceeceeceeceecee
		etsee e esee e e e e e e e e e e e e e e
		ecceecceccecceccecceccccccccccccccccccc
		ecceecceccecceccecceccccccccccccccccccc
rho2216t1t2s4am2d+	cell 9	ecceecescecceccecceccecceccccccccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		000000000000000000000000000000000000000
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		etseeeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeceeeceeceeceeceeceeceeceedeeceeceeceec
		ecceccecceccecceccecceccecceccecceccecc
		$attecce \\ tegateca \\ aagatat \\ tetea \\ attecce \\ tttt \\ gaatea \\ aca \\ agta \\ aaatat \\ tte \\ aaa \\ aattecce \\ tegate \\ attecce \\ tegate \\ attecce \\ tegate \\ aaaa \\ ttte \\ aaaa \\ attecce \\ tegate \\ attecce \\ tegate \\ aaaa \\ ttte \\ aaaa \\ attecce \\ tegate \\ attecce \\ tegate \\ aaaaa \\ ttte \\ aaaaa \\ aaaa \\ ttte \\ aaaaa \\ ttte \\ aaaaa \\ aaaaa \\ ttte \\ aaaaa \\ ttte \\ aaaaa \\ ttte \\ aaaaa \\ aaaaa \\ ttte \\ aaaaa \\ aaaaa \\ ttte \\ aaaaa \\ aaaaaa$
		ccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaacagaaacagaaacccaaagagaaacagaacaac
		${\bf c} {\bf a} {\bf g} {\bf a} {\bf g} {\bf c} {\bf t} {\bf c} {\bf a} {\bf g} {\bf g} {\bf c} {\bf t} {\bf c} {\bf t} {\bf t} {\bf t} {\bf d} {\bf t} {\bf t} {\bf t} {\bf g} {\bf c} {\bf t} {\bf t$
1PE 1	cell 5	
IFE I	cen o	eeeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eecceececececececececececetsecececececec
1DE	11 <i>C</i>	666666666666666666666666666666666666666
1PE	cell 6	eecceeecceeecceeecceeecceecceecceecceecceecceecceecceecceecceecceecceecceeccee
		eecceecececececececececececetscecececece
		eeccecceccecceccecceccecceccecceccccccc

1PEm1	cell 8	ececeecececececececececececececececece
		eceeececeececececececececececececececece
1PEm2	cell 9	ecceeecceeecceeecceeecceeecceeecceeec
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEd+	cell 5	eccecceccecceccecceccccccccccccccccccc
II Lu	cen o	eeeeeeeeeeeeeeeeeetseedeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEd+	cell 6	eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1DE14+	11 0	ec
1PEm1d+	cell 8	ececececececececececececececececececec
		ecceccecceccecceccecceccecceccccccccccc
1PEm2d+	cell 9	ec
		eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattccccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaaatc
		cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgcaattcccgtcgatcc
		aaagatatteteaateeetttttgaateaacaagtaaaatattteaaaaattgeegacaatteeetegtatteeegteegeateee aacaegeataetteeeaggeatttteeeaaategagagaaaaaceeaaagaataaceeaaggagaaaateagaggegtegagtea aggetetetteaatttagetttgaatttgetgtattttegttttgeageegeegetgeegetegagaaaategaaateeeegeegeet
		gacgtcatacctgccgatgccgcagcttccgccattgagtgggagcgggatggcaagacaagcgagcg
2PE 2	cell 5	
2F E 2	cen 5	ececececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ec
		eceeeececeeteceeececeeececeecececececec
2PE	cell 6	ececececececececececececececececececec
21 12	cen o	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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		000000000000000000000000000000000000000
2PEm1	cell 8	eccecececececececececececececececececece
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eccesere eccesered in the contract of the coecceperate temperate tem2PEm2 cell 9 eccepecee eteccepecee eccepecee eccepece eccepecee eccepece eccepecee eccepece eccepecee eccepece eccepe eccepece eccepe eccepece eccepece eccepe eccepe eccepe eccepe eccepe ec2PEd+cell 5 eccceperceceperceceperceceperceceperceceperceceperceceperceceperceceperceceperceceperce 2PEd+cell 6 2PEm1d+ cell 8 999999 eccceperceceperceceperceceperceceperceceperceceperceceperceceperceceperceceperceceperce 2PEm2d+ cell 9 

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6xdlPLZm2

6xdlPLZd+

cell 9

cell 5

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6xdlPLZd+	cell 6	ee
6xdlPLZm1d+	cell 8	ececeedecececececececececececececececec
6xdlPLZm2d+	cell 9	eccee edece eccee ecce
		aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa
$6 \mathrm{xEtPLZ} \ 0 \ 6 \mathrm{xEtPLZ} \ 6 \mathrm{xEtPLZ} \ 1$	cell 1 cell 2 cell 8	eccecececetseccecetseccecececececececece
6xEtPLZm2 6xEtPLZd+	cell 9 cell 1	eeeeeeeeeetseeeeetseeeeeetseeeeeeeeeee
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		$gtcgctttcaggactcagggcatcatccagatcgcacgatcccatttgcatctgccttctcagaagctgcttgaaagacgcgcccctg\\ ggatgattagtgctaagatccttgggcaggatggaaaaatgggaaaacatgcggtgggaaaaacacacac$
		caagtggcgggaattteetgattegcgatgeeatgaggeactegeeaagettgaegegttgttttgggggaaatteeegggegageeaggaateaaegteetgteetgegtgggaaaageeaegteetaeeeaegteetaeetggttaeetgagttgttttggtaeggtggetgaeettgeeagtgeeagtggteeatgteetgeeatgteetgeeatgteetgeeagtgeeatgteetgeeat
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rho2216t1t2s4am1	cell 8	ecceecceccecceccecceccccccccccccccccc
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		etseeeeseeedeeceeeeeeeeeeeeeeeeeeeeeeeee
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rho2216t1t2s4am2	cell 9	ecccecesecccccccccccccccccccccccccccccc
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rho2216t1t2s4ad +	cell 10	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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rho2216t1t2s4ad+	cell 13	ecceececececececececececececececececec
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rho2216t1t2s4am1d+	cell 8	eecceeecceecceeccececcecceccecccecccec
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		000000000000000000000000000000000000000
		eccceecectseccceccccccccccccccccccccccc
		etseeeeseeedeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccecececececececececececececececececece
rho2216t1t2s4am2d+	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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		ecceccececceccecceccecccccccccccccccc
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		cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc
1PE 1	cell 5	000000000000000000000000000000000000000
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		ecceecceccecceccecceccecceccecccecccccc

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1PE	cell 6	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
	0011 0	ecceeecceeecceecceectseecceetseecceeccee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEm1	cell 8	000000000000000000000000000000000000000
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeeccee
1PEm2	cell 9	ecceececececececececececececececececec
		ecceeecceeecceeecceeecceeetseecceeeccee
		ecceececececececececececececececececec
1PEd+	cell 5	ecceececececececececececececececececec
		ecceeecceeecceeecceeecceeetseecceeeccee
		ecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeeccee
1PEd+	cell 6	ecceeeecceeecceeecceeecceeecceeecceee
		ecceeecceeecceeecceeecceeetseecceeeccee
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1PEm1d+	cell 8	eccecececececececececececececececececece
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1PEm2d+	cell 9	ecceececececececececececececececececec
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2PE 2	cell 5	ccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaatcccaggcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgcaattcccgtcgatccaaagaatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattcccgtccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaaacagaaaatccagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgctcgagaaaatcgaaatccccgccgcctgcgctcgagaaatccagagagag
2PE 2	cell 5	ccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacacgaaaatcccagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgcaattcccgtcgatccaaagaatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattccccgtccgcatccaacacgcatacttcccaggcattttcccaatcgagagaaaacccaaagaataacccaagagaaaaccgaaaatccagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgctcgagaaaatcgaaatccaggcgcgctgagccgagcgag
2PE 2	cell 5	ccgtccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaaatccaagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgcaattcccgtcgatccaaagaatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattccccgtccgcatccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaaacccaagagaaaatccagagcgtcgagtcaagcctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgcgctcgagaaaatcgaaatccccggcgctgcgctgagccggagcggagcgggggggg
2PE 2	cell 5	ccgtccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaatccaagagctcgatcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgcaattcccgtcgatccaaagaatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattccccgtccgcatccaaacagcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaaatccagagcgtcgagtcaagcctctttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgctcgagaaaatccaagagaaaatccaggcgcgctgagtcaagcgtcgagtcaatcctgccgatgccgagctcgccattgagtgggagcgggatggcaagacaagcgagggagg
2PE 2	cell 5	ccgtccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaatcccagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgcaattcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattccctcgtattccccgtccgcatccaacaggcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaatccagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgctcgagaaaatccaagagaaaatccagagcggcgggaggaggaggagggggggg
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2PE 2 2PE	cell 5	ccgtccgcatcccaacacgcatacttcccagcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaaatccaagagatcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgcaattcccgtcgatccaaagataattctcaatccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattcccgtccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaaatccagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgcgctcgagaaaatcgaaatccccgccgcttgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgcgctcgagaaaatcgaaatccccgccgccttgagcggaaggcggaatggccgaagacgaaggcgggaggggagggggggg
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		ecccecccccccccccccccccccccccccccccccccc
		$eccececee \dagger eccecececececececececececece$
		0.0000000000000000000000000000000000000
2PEm2	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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2PEd+	cell 5	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2FEu+	cen 5	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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		$eecceeeccee \dagger eecceeecceecceecceecceecce$
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEd+	cell 6	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeceeeceeeceeceeceeceeceeceeceeceec
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeceeeeteeeeeeeeeeeeeeeeeeeeeeeee
		eecceeecceeecceeecceeecceeecceeecceeecceeecceee
2PEm1d+	cell 8	eecceeecceeecceecceecceecceecceecceecc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeceeeceeeceeeceeeceeeceeeceeeceeeceeeceee
2PEm2d+	cell 9	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
•		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee

 $attecegtegatecaaagatatteteaateceetttttgaateaacaagtaaaatattteaaaaattgeegacaatteeetegtattee \\ cegteeegeateeeaacaegeataetteeeagggatttteeeaaategagggaaaaceeaaagaataaceeaagagaaacagaaaaatee \\ agagegtegagteaaggetetetteaatttagetttgaatttgetgtattttegttttgeageegeegetgeege$ 

1PEe 1	cell 7	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eecceeeeceeeeceeeeceeeceeeceeeceeeceee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEe	cell 8	eecceeecceecceecceecceecceecceecceecce
		eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeccececececececececececececececececec
1PEem1	cell 8	eecceeecceecceecceecceecceecceecceecce
		eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceccecceccecceccecceccccccccccccccc
1PEem2	cell 9	eccececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEed+	cell 7	eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEed+	cell 8	eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEem1d+	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEem2d+	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		at cctgggaaaacccgagatgatcctgggaaaacccgacctgggaaaacccgagatcctgggaaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaaacccgagatcctgggaaaaacccgagatcctgggaaaaacccgagatcctgggaaaaacccgagatcctgggaaaaacccgagatcgagatcctgggaaaacccgagatcctgggaaaaacccgagatcctgggaaaaacccgagatcctgggaaaaacccgagatcctgggaaaaacccgagatcctgggaaaaacccgagatcg
		atcctgggaaaacccga
6xdlPLZ 6.1	cell 5	ececeedececececececececedececececedec
oxuii LZ 0.1	CCII 5	eeeteeedeeeeeee
6xdlPLZ	cell 6	eccecedeccececedeccecedeccecedeccecedeccecedeccececedeccececedeccececedeccececedeccececedeccececedeccececedeccececedeccececece
OAGH LL	CCII U	eeeteeedeeeeeee
6xdlPLZm1	cell 8	eccecedeccecececececececececececececece
OAGH LEHH	CEH O	eeeteedeeeeeeee
		ccc/cccdcccccc

6xdlPLZm2	cell 9	eceecede eceeceece eceeceece eceeceece eceeceec
6xdlPLZd+	cell 5	ee
6xdlPLZd+	cell 6	ee
6xdlPLZm1d+	cell 8	ee
6xdlPLZm2d+	cell 9	ee
		aaaaaaaaaaaaaaatcca tatgagatcca tatgagat
6xEtPLZ 0	cell 1	eeeeeeeeeetseeeeetseeeeeetseeeeeeeeeeee
6xEtPLZ	cell 2	eeeeeeeeeetseeeeetseeeeeetseeeeeeeeeeee
6xEtPLZm1	cell 8	eeeeeeeeeetseeeeetseeeeeeeeeeeeeeeeeeee
6xEtPLZm2	cell 9	eeeeeeeeeetseeeeetseeeeeeeeeeeeeeeeeeee
6xEtPLZd+	cell 1	eeeeeeeeeeets eeeeeees tseeeeeeeeeeeeee
6xEtPLZd+	cell 2	eeeceeeeeets eeeeeeets eeeeeeeeeeeeeeeee
6xEtPLZm1d+	cell 8	eeeeeeeeeeets eeeeeeeeeeeeeeeeeeeeeeeee
6xEtPLZm2d+	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		agetttteetetgeteaaaateaaatgattaaaacaacagtttgatacgaattttaatteeetttttgetgeggagteagttaagtggtegettteaggacteaggaeteateeagategeacgateeetttgeatetgeetteteagaagetgettgaaagaeggeeeettgggatgattagtgetaagateettgggeaggatggaaaaatgggaaaacatgeggtgggaaaaacacacactegegaaacatttggettgeggaagaeaagtgeggetgeaacaaaaagtegegaaacgaaac
rho2216t1t2s4a 3.1	cell 10	ececececececececececececececececececec
rho2216t1t2s4a	cell 13	eccecceccecceccecceccccccccccccccccccc

rho2216t1t2s4am1	cell 8	eccececececececececececececececececece
		ecceccecceccecceccecccccccccccccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		$ecceecece t_{\bf S} ecceececececececececececececececececec$
		etseeceseecedeeceeceeceeceeceeceeceeceeceeceecee
		eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eceeececeececeececececececececececececec
rho2216t1t2s4am2	cell 9	$eccecees \\ eccecees $
		ecceccecceccecceccecceccccccccccccccc
		eccececececececececececececececececece
		ececeeeeets ececeeeeeeeeeeeeeeeeeeeeeeee
		etsee ee
		eccececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4ad +	cell 10	eccececececececececececececececececece
		et e e e e e e e e e e e e e e e e e e
		ee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4ad+	cell 13	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eceececececececececececececececececece
		eceeeeceeeteeeeceeeceeeceeeceeeceeeceee
		eteeeceeeceeceeceeceeceeceeceeceeceeceec
		eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am1d+	cell 8	000000000000000000000000000000000000000
·		000000000000000000000000000000000000000
		000000000000000000000000000000000000000
		ececececet.sececececececececececececececececececec
		etseeeeseeeedeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		000000000000000000000000000000000000000
rho2216t1t2s4am2d+	cell 9	ecceceseccecececececececececececececece
inozziotieza idinza i	cen o	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ec
		eeeeeeeeetseeeeeeeeeeeeeeeeeeeeeeeeeee
		etseeeeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeee
		ec
		ecceccecceccecceccecccccccccccccccccccc

cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc

1PE 1	cell 5	000000000000000000000000000000000000000
111 1	cen 5	eccecceccecceccecceccecceccecceccecccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PE	cell 6	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
11 12	cen o	eeeeeeeeeeeeeeeeetseeeetseeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEm1	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
II Liii	ccn o	eeceeeeceeeeceeeceeetseeectseeceeeceeece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEm2	cell 9	ecceccecceccecceccecceccecceccecceccecc
11 11112	cen o	eeceeeeceeeeceeeceeetseeectseeceeeceeece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEd+	cell 5	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
II Ed	cen o	eeceeeeceeeceeeceeetsceectsceeceeeceeece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEd+	cell 6	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
11 24	con o	ecceececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEm1d+	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
II Biiii q	con c	eeeeeeeeeeeeeeeeeeeeetseedeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEm2d+	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
11 21112(1)	con o	eeeeeeeeeeeeeeeeetseeeetseeeeetseeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattccctcgtattcc
		ccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaaatccaagagaaaacccaaagagaaacagaaaaatccaaagagaaaacccaaagagaaaacccaagagaaaaacccaaagagaaaacccaaagaaaaacccaaagagaaaacccaaagagaaaacccaaagagaaaacccaaagaaaacccaaagaaaaacccaaagaaaaacccaaagaaaaacccaaagaaaaacccaaagaaaaacccaaagaaaacccaaagaaacccaaagaaaacccaaagaaacccaaagaaacccaaagaaaacccaaagaaacccaaagaaacccaaagaaacccaaagaaacccaaagaaacccaaagaacccaaaacccaaagaacccaaagaacccaaacccaaacccaaacccaaacccaaacccaaacccaaacccaaacccaaacccaaacccaaacccaa
		cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgcaattcccgtcgatcc
		aaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaaattgccgacaattcccctcgtattccccgtcccgcatccc
		aa cac g catact t c c cag g cat t t t c c caa at c g ag ag aa aa ac c caa ag aa aa ac c caa g ag aa aa ac c caa g ag aa aa ac caa g ag aa aa ac c caa g ag aa ac c caa g ag aa aa ac c caa g ag ac c c caa g ag ac c c c
		aggetetettea att tagettt gaat tt tegt tt tt tegt tt tt geageegeeget geegete gagaaa aate gaaa te ceeegeete gagaaa aate gaaa a
		ra artaata aatraa wa taagaa wattaa waa attaa waa atrawa waxay tagaa ay aa aa ay aga waxay aga aga aga taga waxay
		gacgtcatacctgccgatgccgcagcttccgccattgagtgggagggggatggcaagacaagcgagggagg
		g cag c g a at g g c e g cag c a g cag c a at t t g a g ca at g g c e g a a g g cag c g a g g c g c
2PE 2	cell 5	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PE	cell 6	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee

eccesere eccesered in the contract of the coecceperate temperate construction of the con2PEm1 cell 8 2PEm2 cell 9 eccceperceceperceceperceceperceceperceceperceceperceceperceceperceceperceceperceceperce  $e^{-2}$ 2PEd+cell 5 2PEd+cell 6 999999 eccceperceceperceceperceceperceceperceceperceceperceceperceceperceceperceceperceceperce 2PEm1d+ cell 8 

2PEm2d+	cell 9	eccececcececcecceccecccccccccccccccccc
		$attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattcc\\ ccgtcccgcatcccaacacgcatacttcccagggattttcccaaatcgagggaaaacccaaagaataacccaagagaaacagaaaaatcc\\ agagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc\\$
1PEe 1	cell 7	eecceeceeceeceeceeceeceeceeceeceeceecee
1PEe	cell 8	eccecceccecceccecceccccccccccccccccccc
1PEem1	cell 8	eccececececececececececececececececece
1PEem2	cell 9	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEed+	cell 7	eccececececececececececececececececece
1PEed+	cell 8	eccececececececececececececececececece
1PEem1d+	cell 8	eccececececececececececececececececece
1PEem2d+	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		at cct gggaaaacccgagat gat cct gggaaaacccgagat cct gggaaacccgagat cct gggaaaacccgagat cct gggaaacccgagat cct gggaaacccgagat cct gggaaacccgagat cct gggaaacccgagat cct gggaaacccgagat cct
6xdlPLZ 6.1	cell 5	eeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee

eeeteeedeeeeeeeee

6xdlPLZ	cell 6	ee
6xdlPLZm1	cell 8	eeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZm2	cell 9	ececeedececececeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZd+	cell 5	ecceedececececeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZd+	cell 6	eccecedeccececeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZm1d+	cell 8	eeeceedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZm2d+	cell 9	ee
		aaaaaaaaagatccatatgagatccatatatgagatcc
		aaaaaaaaagattcatatgagattcatatgagattcatatgagattcatatgagattcatatgagattcatatga
6xEtPLZ 0	cell 1	eeeeeeeeeeeseeeeeeeeeeeeeeeeeeeeeeeee
6xEtPLZ	cell 2	eeeceeeeeetseeeeeetseeeeeeeeeeeeeeeeeee
6xEtPLZm1	cell 8	ecececececetsececececececececececececece
6xEtPLZm2	cell 9	eeeeeeeeetseeeeetseeeeetseeeeeeeeeeeeee
$6xEtPLZd+ \\ 6xEtPLZd+$	cell 1 cell 2	ecceecceceetseccecetseccececceccecccccccc
6xEtPLZm1d+	cell 2	eccececectseccectseccececececececececece
6xEtPLZm2d+	cell 9	eeeeeeeeetseeeeeetseeeeeeeeeeeeeeeeeeee
		agetttteetetgeteaaaateaaaatgattaaaaeaacagtttgataegaattttaatteeeetttttgetgeggagteagttaagtgalleering agettiteetetgeteaaaateaaatgattaaaaeaaeagtttgataegaattttaatteeeetttttgetgeggagteagttaagtgalleering agettiteetetgetgeggagteagttaagtgalleering agettiteetetgetgalleering agettiteetetgetgalleering agettiteetetgetgalleering agettiteetetgetgalleering agettiteetetgalleering ag
		$\tt gtcgctttcaggactcagggcatcatccagatcgcacgatcccatttgcatctgccttctcagaagctgcttgaaagacgcgcccctgcttgaaagacgcgcccctgcttgaaagacgcgcccctgcttgaaagacgcgcccctgcttgaaagacgcgcccctgctgaaagacgcgccccctgctgaaagacgcgcccctgctgaaagacgcgccccctgcccctgaaagacgcgccccctgcaaagacgcgccccctgcccctgaaagacgcgccccctgaaagacgcgccccctgaaagacgcgccccctgaaagacgcgccccctgaaaagacgcgccccctgaaaagacgcgccccctgaaaaaaaa$
		ggatgattagtgctaagatccttgggcaggatggaaaaatgggaaaaactgcggtgggaaaaacacacac
		ttgcggaagcaagtgcggctgcaacaaaaagtcgcgaaaccaagaactctgggaagcggaaaaaggacaccttgctgtgcggcggg
		caagtggcgggggggaattteetgattegcgatgccatgaggcaetegceaagettgaegegttgttttgggggaaatteeegggega gecaggaateaaegteetgteetgegtgggaaaageeeaegteetaeeeaegeeeaeteggttaeetgaattegagetegagtgtttt
		gtggctgagattgctttggtacggtggctgaccttgccagtgccagtgggtccatgtcc
		8,220,24241,420,11,220,4428,4220,241,001,20,442,420,420,420,420,420,420,420,420,
${\rm rho}2216{\rm t}1{\rm t}2{\rm s}4{\rm a}~2.8$	cell 10	ececeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececececececececececececececececec
		eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeceeeeteeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eteeeeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4a	cell 13	eccecceccecceccecceccccccccccccccccccc
111022100102344	CH 10	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee

rho2216t1t2s4am1	cell	ecceccecete eccecceccecceccecceccecceccecccccccc
		tts set et ee ee te et te ts tts tts tts
		${\bf sttsttstttsttssttts} {\bf eee} {\bf eee} {\bf tttstee} {\bf eee} {\bf ettststetstsee} {\bf eettsttettststtttstttttteetstet}$
		$t_{stts}$
		tsttsttttsttsttsttsttsttsttstddtttttstsstttttststttttstseetteeeeeetttstetetes
${\rm rho}2216{\rm t}1{\rm t}2{\rm s}4{\rm am}2$	cell	tee et tette e et ttte e et ttts te et statt tts tsatt tts tsatt tts tsatt tts te e e et ttte e e et ttte e e e
		tts set et ee ee te et tts tts tts tts t
		${\bf sttsttstttsstttssee} ee e e ttttstee e e e e tte e e e e ttststetst steet e e e e$
		tsttssttttttstddtttststtttetttteettsttsttetttstetttsteetttttt
		tsttsttttsttsttsttsttsttsttttsddtttttstts
${\rm rho}2216{\rm t}1{\rm t}2{\rm s}4{\rm ad}+$	cell 10	teeettetteettttettsttsteetststtttststttststttstsee eeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4ad+	cell 13	ecceccecceccecceccecccccccccccccccccccc
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
m rho 2216t1t2s4am1d+	cell	eccececececececececececececececececece
		ttsseteteeeeteetttetsttsttsttsttsttsttst
		${\bf sttsttstttsts}{\bf stttssee} ee e e ttttstee e e e e teteststetstsee e e ttstetet tststtttsttttteet stetestsee e e ttststetet e e e e$
		$t_{\tt SttSS} ttttttstddtttststtttetttteettsttsttettstetttststeetttttt$
		$t_{stt}$
rho2216t1t2s4am2d+	cell	tee et te te et te te te te te te te te
		tts set et ee ee te et te ts tts tts tts
		${\bf sttsttstttsttsstttssee ee etttstee ee ettetststetstsee eettsttetettststtttsttttteetstet}$
		tsttssttttttstddtttststtttetttteettsttsttettstetttstseetttttt
		tsttsttttsttsttsttsttsttsttstddtttttstsstttttstttttstseeettseeetteeeeee
		teeettetteettttsttsteetstttttststtttststttstsee
		occount to contract the traction of the contract to the contra

1PE 0.97	cell 5	ecceececececececececececececececececec
1PE	cell 6	ecceeccecceccecceccecccccccccccccccccc
1PEm1	cell	ee e et tst see e et ttte te e e e t e e t e e t e e t e e t e e e e e e e t t t se t e e t e e e e
		${\bf s} t s t t t t t t t t t t t t t t t t $
1PEm2	cell	${\bf sttttee ets tete tete eetts seette ee eetts sette te ee eetts sttttts sttee} \\ ee e etts tsee eetts tseet et et ee eetts tsete ee eetts st st te ee eetts st st te ee eetts st st te ee eet et st st st st te ee eet et st st st st te ee eet et st st$
		${\bf s} tsttsttttstttettsttttsttteettsttsdtdttstettstttseede tee eet tttee ee ee eet tsttstettett de tee ee eet tst tstettett de tee ee e$
1PEd+	cell 5	$\mathbf{s} \mathbf{t} \mathbf{t} \mathbf{t} \mathbf{e} \mathbf{e} \mathbf{t} \mathbf{s} \mathbf{e} \mathbf{t} \mathbf{t} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{t} \mathbf{t} \mathbf{s} \mathbf{e} \mathbf{t} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{t} \mathbf{t} \mathbf{s} \mathbf{e} \mathbf{t} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{t} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{t} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{e} e$
1PEd+	cell 6	eccececececececececececececececececece
1PEm1d+	cell	eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		${\color{red}\mathbf{s}} {\color{blue}\mathbf{t}} {\color{blue}\mathbf{s}} {\color{blue}\mathbf{t}} {\color{blue}\mathbf{s}} {\color{blue}\mathbf{t}} {\color{blue}\mathbf{t}} {\color{blue}\mathbf{s}} {$
1PEm2d+	cell	${\bf sttttee ets et ets tettee e etts se ette e e e $
		${\color{red}\mathbf{s}} {\color{blue}\mathbf{t}} {\color{blue}\mathbf{s}} {\color{blue}\mathbf{t}} {\color{blue}\mathbf{s}} {\color{blue}\mathbf{t}} {\color{blue}\mathbf{t}} {\color{blue}\mathbf{s}} {$
		${\bf sttttee etsetets} {\bf stettee e e etts sette e e e e e tts settete e e e $
		attcccgtcgatccaaagatattctcaatccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattccctcgtattcccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaaaccgaagacaatccaggagtcaggctcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgcaattcccgtcgcatccaaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaaaccgaaaatccccgtcgcgctccaacccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaaaccgaaaaatccagagcgtcgagtcaagcctctttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgcgctcgagaaaatcgaaatccccgccgctgagcagacgacgagcggcggagggag
2PE 1.9	cell 5	ececececececececececececececececececec
2PE	cell 6	ecceecceecceecceecceecceecceecceecceec

		ee
		eccececececececececececececececececece
		ceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		cececececetecececececececececececececec
2PEm1	cell	$ee e et tst {\bf s} e e e et tst {\bf s} e e e et tst {\bf s} e t e t e e e e e e e e e e e e e e e $
		${\bf ststtsttttstttettstttsttteettsttsdtdttstettstttseedeteeetttteeeteee$
		${\bf sttttee etsetets t stette ee etts seet te ee eetts setette ee eetts sttttts stttdtt sett stee ee eetts seed to see ee ee te ee ee ee ee ee ee ee ee ee e$
		tttetteee ete ete ete ete ete ete ete e
		sts tettee e ett ss e ette e e e ett ss e tete e e e e e e e e e e e e e e e e
2PEm2	cell	stttttttttsttsttstttttssttttttssttttttstttt
		${\bf ststtsttttstttettstttsttteettsttsdtdttstettstttseede tee et tttee ee tee ee ttsttstettett de tee ee ttst tstettett de tee ee ttst tstettet de tee ee ttst tstettet de tee ee ttst tstettet de tee ee ttst tstettett de tee ee ttst tstettet tstettet de tee ee ttst tstettet de tstettet de tee ee ttst tstettet de tstettet de tstettet de tstettet de tstettet de tee ee ttst tstettet de tstettet $
		sttttee etsetetststettee eetts seettee ee ett ssetetetee ee ett ssett ttts stttdtt sett ste ee ee tte see ett ssetetetee ee ett ssettetee ee ett ssetetetee ee e
		tttetteee ete ete ete ete ete ete ete e
		ststetteee etts seetteee eetts setetteee eetts sttttts stttts sttttts sttttt stattetteed titteett stattttt stattetteed titteet statttt stattetteed titteet stattt stattett stattett stattet stattett stattet statte sta
		$\mathbf{s}ttttttttttttsttstttssttttttssttttttsstttt$
2PEd+	cell 5	eccecceccecceccecceccecceccecccccccccc
		ececeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		000000000000000000000000000000000000000
		ececececetecececececececececececececece
2PEd+	cell 6	ceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
21 Du	CCII	ecceccecceccecceccecceccecceccccccccccc
		ecceccecceccecceccecceccecccccccccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ececeeceeceeceeceeceeceeceeceeceeceecee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm1d+	cell	ee eettstsee eettttette ee eteststst te ee ee ettsttset ett te ee et etts state et etts eett statt dtt te ee ee ettst statt ee ee et ett statt ee ee et et ett statt ee ee ee et ett statt ee ee ee ee et ett statt ee e
		${\bf ststtsttttstttettstttstttsettstttsdtdttstettstttseede tee e et ttte e e tee e e e e e e e$
		sttttee etsetetststettee eetts seettee ee ett ssetetetee ee ett ssetttts stttdtts ett ste ee ee ett ssetetetee ee ett ssetetetee ee ett ssettetee ee ett ssetetetee ee e
		tttetteee ete ete ete ete ete ete ete e
		${\bf ststettee e e t t s s e t t t e e e e e$
2PEm2d+	cell	stttttttttttsttsttttssttttttssttttttsstttt
		${\bf ststtsttttstttettsttttsttteettsttsdtdttstettstttseede tee eet tttee eet ee eet tsttstett de tee eet tst tstettett de tee eet tst tst tst tst tst tst tst ts$
		${\bf sttttee etsetets t stette ee etts sette ee eetts settete ee eetts sttttts stttdtts ettst se ee ett se ee $
		$\frac{27}{tttetteee eteets tststteee eettsttset ett teee etetts st teettse etts tst ttd ttts tst tst ttt st ttett tst tte ett st s$
		·

		$attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattccctcgtattcc\\ ccgtcccgcatcccaacacgcatacttcccagggattttcccaaatcgagggaaaacccaaagaataacccaagagaaaacagaaaaatcc\\ agagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc\\$
1PEe 0.98	cell 7	ececececececececececececececececececec
1PEe	cell 8	eccececececececececececececececececece
1PEem1	cell	ee e et t st see e et t t t e e e e t e t
		${\bf s} t s t t s t t t t t t t t t t t t t $
1PEem2	cell	${\bf sttttee etsetets} {\bf stettee eetts seettee ee etts setettee ee etts sttttts sttee ee ee etts see ee etts stettee etts stettee etts stettee etts stettee ee ee etts stettee ee etts stettee ee etts stettee ee ee ee etts stettee ee $
		${\bf s} t s t t s t t t t t t t t t t t t t $
1PEed+	cell 7	stttteetsetetststetteeeettssetteeeettsseteteeeetteeeettssttttsstteee eeeeeeee
1PEed+	cell 8	eceececeececececececececececececececec
1PEem1d+	cell	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		${\bf s} t s t t s t t t t t t t t t t t t t $
1PEem2d+	cell	${\bf stttteeets} et et {\bf ststettee} eet {\bf tsse} et te ee eet t {\bf sse} et et ee ee et t {\bf ssttttts} t te ee ee et {\bf tsse} ee et {\bf tsse} et et et ee ee et {\bf tsstttee} ee et {\bf tsstttee} et {\bf tsstttee} et {\bf tsstttee} t {\bf tsstttee} et {\bf tsstttee} $
		${\bf s} t s t t s t t t t t t t t t t t t t $
		${\bf sttttee ets} {\bf tete} {\bf eeetts} {\bf tete} {\bf eeetts} {\bf seette} {\bf eee} {\bf eeetts} {\bf settete} {\bf eee} {\bf eeetts} {\bf sttttts} {\bf sttee} {\bf eee}$
		at cct gggaaaacccgagat gat cct gggaaaacccgagat cct gggaaaacccgag
6xdlPLZ $5.8$	cell 5	eeceeedeeceeeceeeceeedeeceeeceedeeceecee
6xdlPLZ	cell 6	eeeteeedeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZm1	cell	
		tttstttsdddtttsttttsstttsdddtttstttttstttsdddtttstttttstttsdddtttstttttt
6xdlPLZm2	cell	sttttttstttsdddttts
		tttstttsdddtttsttttsstttsdddtttstttttstttstts
		${f stttttttstttsdddttts}$
		00

6xdlPLZd+	cell 5	ececeedecececececececececececececececec
6xdlPLZd+	cell 6	eeeteedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZm1d+	cell	CECTECCTECCT
		tttstttsdddtttsttttsstttsdddtttstttttstttsdddtttstttttt
6xdlPLZm2d+	cell	sttttttstttsdddttts
		tttstttsdddtttsttttsstttsdddtttstttttstttsdddtttstttttt
		${f s}$ tttttttstttsdddttts
		aaaaaaaaaaaaaaaatccatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatat
6xEtPLZ 0 6xEtPLZm1 6xEtPLZm2 6xEtPLZd+ 6xEtPLZd+ 6xEtPLZm1d+ 6xEtPLZm2d+	cell 1 cell 2 cell cell cell 1 cell 2 cell 2 cell cell 2	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		agcttttcctctgctcaaaatcaaaatgattaaaacaacagtttgatacgaattttaattcccctttttgctgcggagtcagttaagtga gtcgctttcaggactcagggcatcatccagatcgcacgatcccatttgcatctgccttctcagaagctgcttgaaagacggcccctgtc ggatgattagtgctaagatccttgggcaggatggaaaaatgggaaaacatgcggtgggaaaaacacacac
rho2216t1t2s4a 3	cell 10	eccecceccecceccecceccecceccccccccccccc
rho2216t1t2s4a	cell 13	eccecceccecceccecceccccccccccccccccccc

rho2216t1t2s4am1	cell	etttteeettssee eettteeetttstee ee ee ettsttsttstttttttee ee ee eets tststtett te tee ee eettsttstee ee ee eets tststeet tee ee e
		tts set et ee ee te et tt stt stt stt st
		${\bf s} ttstt{\bf s} ttt{\bf s} tt{\bf s} see ee et tttste ee ee et te ee et et tst {\bf s} te {\bf t} st ee et tst te te tt {\bf s} ttt tt tt tt tt tt tt tt te {\bf t} st et {\bf s} te {\bf t} st {\bf s} te {\bf t} st {\bf t} tt {\bf t$
		tsttssttttttstddtttststtttetttteettsttsttetttststeetttttt
		tsttsttttsttsttsttsttsttsttsttttsddtttttstts
rho2216t1t2s4am2	cell	tee et te tee et tt tee et tt te te te t
		$tt_{\textbf{s}} sete tee ee teett tt stt stt stt stt st$
		${\bf s} ttstt{\bf s} ttt{\bf s} tt{\bf t} {\bf s} see ee et tttstee ee et te ee et ttst{\bf s} te {\bf t} {\bf s} te ee et tst te te tt{\bf s} tttt{\bf t} tttt tt te et {\bf s} te t{\bf t} t{\bf$
		$t_{\mathbf{S}}tts_{\mathbf{S}}tttttttstddttts_{\mathbf{S}}tttttetttteetts_{\mathbf{S}}ttetts_{\mathbf{S}}teetttttteeteeteeteeteeteetest_{\mathbf{S}}tts_{\mathbf{S}}tst_{\mathbf{S}}t$
		tsttsttttsttstttttsttsttstttttsddtttttstsstttttstttttstsee et tsee et te ee ee et ttt ste te te tsee et te ee ee et ttt ste te te tsee et te ee ee ee et ttt ste te te tsee et tsee ee ee et ttt ste te te tsee ee
${\rm rho}2216{\rm t}1{\rm t}2{\rm s}4{\rm ad}+$	cell 10	teeettetteetttteettettsttsteetststtttststttststtst
${\it rho} 2216t1t2s4ad +$	cell 13	eccececececececececececececececececece
rho2216t1t2s4am1d+	cell	et ee e
		tts set et ee ee teettets tts tts tts tt
		${\bf s} ttst{\bf t} {\bf t} $
		tsttssttttttstddtttststtttetttteettsttsttettstetttsteetttttt
		tsttsttttsttsttsttsttsttsttttsddtttttstts
rho2216t1t2s4am2d+	cell	tee et te te et tt te et te te te te te
		$tt_{\textbf{s}} sete tee ee teett tt stt stt stt stt st$
		${\bf s} ttstt{\bf s} ttt{\bf s} tt{\bf t} {\bf s} see ee et tttstee ee et te ee et tst{\bf s} te t{\bf s} t{\bf e} ee et tst te te t{\bf s} t{\bf t} ttt{\bf t} ttt{\bf t} tt{\bf t} t{\bf t}$
		tsttssttttttstddtttststtttetttteettsttsttettstetttstseetttttt
		tsttsttttsttsttsttsttststtttsddtttttstsstttttstttttstsee et tsee et te ee ee et ttt ste te te tsee et te ee ee et ttt ste te te tsee et te ee ee ee et ttt ste te te tsee et te ee ee ee et ttt ste te te tsee ee
		teeettetteettttsttsteetststtttststtttststttstsee
		attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtatccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgcgcgcg

 $1\mathrm{PE}\ 1$ 

 $\operatorname{cell}\, 5$ 

1PE	cell 6	ecceeccececcececcececceccecceccccccccc
1PEm1	cell	ee eetts tsee eett tte tee eete ete stst state ee eett state eet et ttsee et et ttsee et tst state et et tsee et et tsee et et tsee et et tsee et et et et eet e
		${\bf s} t s t t t t t t t t t t t t t t t t $
1PEm2	cell	${\bf sttttee et ststettee e et ts sette e e e $
		${\bf ststtsttttstttettsttttsttteettsttsdtdttstettstttseede tee e et ttte e e tee e e e e e e e$
1PEd+	cell 5	stttteetsetetststetteeettssetteeeettsseteteeeettssttttsstteee eeeeeeee
1PEd+	cell 6	ecceecceecceecceecceecceecceecceecceec
1PEm1d+	cell	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		${\bf s} t s t t s t t t t t t t t t t t t t $
1PEm2d+	cell	stttteeets teteee ttsse teteee ttsse tetee ee ettss ttttssttee e ee ettsts tetee ee ettststtee ettststtee ettststteet ttsstteet ttsstteet ttsstteet ettsstttdtt
		${\bf ststtsttttstttettstttsttteettsttsdtdttstettstttseede tee et tttee et ee e e e e e e e e $
		${\bf sttttee et s} {\bf tete ee et t s} {\bf sette te ee e et t s} {\bf sette te ee e e e e e e e e e e e e e e$
		attcccgtcgatccaaagatattctcaatccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattcccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaaatccaggggtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgcaattcccgtcgatccaacacgcatacttccaacacgtatttcccaacagagaaaaatatttcaaaaattgccgacaattcccctcgtattcccgtccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaaacagaaaaatccagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgcgcgctcgagaaaatccaagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgcgctcgagaaaatcgaaatccccgccgctgagcagacgagcggagggggggg
2PE 2	cell 5	ececececececececececececececececececec
2PE	cell 6	eccecceccecceccecceccccccccccccccccccc

2PEm1	cell	ee
		${\bf s} t s t t s t t t t t t t t t t t t t $
		stttteeetsetetststetteeeettsseetteeeeettsseteteeeeettsstttttsstttdtttsettstseeeet
		tttetteee teetst st st teee ee ett st setetttee ee tetts st teet ett se ett st st tt dt tt st st st tt st tt st tt st tt st tt st s
		thetreeeeteerstststteeeeettstisetetrieeeetettissteetetiseettsistituttiststistitisti
		${\bf s} t s tette e e e etts se ette e e e e ett se e e e $
2PEm2	cell	stttttttttstttttsstttttssttttttsstttttt
		${\color{red}\mathbf{s}} tstt {\color{red}\mathbf{s}} ttt {\color{red}\mathbf{s}} ttt} {\color{red}\mathbf{s}} ttt {\color{red}\mathbf{s}} tttt {\color{red}\mathbf{s}} tttt {\color{red}\mathbf{s}} tttt {\color{red}\mathbf{s}} tttt {\color{red}\mathbf{s}} tttt {\color{red}\mathbf{s}} tttt {\color{red}\mathbf{s}} $
		${\bf s} ttt tee et {\bf s} tet et e e e et t {\bf s} s e t te e e e e e t t {\bf s} s e t te e e e e e e e e e e e e e e e $
		tttetteee ete ete stst st te ee ee ett st se tett te ee et ett se tett se ett st st tt dt tt st st st tt st s
		${\bf ststettee e e e t t s s e t t e e e e e$
2PEd+	cell 5	${\tt stttttttttsttsttttstttttsttttttsttttttstttt$
21 Eu+		eccecececececececececececececececececece
		eceeeeceeeeceeeceeeceeeceeeceeeceeeceeeceeeceeeceeeceeecee
		eccececececececececececececececececece
		eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ececeeeceeteeceeeceeeceeceeceeceeceeceec
2PEd+	cell 6	000000000000000000000000000000000000000
ZF EQ+	cen o	eccecececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eceeececeececececececececececececececece
		ee
		eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm1d+	0011	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
ZPEIIIIQ+	cell	ee e et tst see e et tst see e et et tst state e e e e et tst set et tt see e et tst state e et et ts state et et ts e et tst state et et ts e et et ts e et et ts e et et ts e et et e e e e
		${\bf s} {\bf t} {\bf t$
		${\bf s} {\bf t} {\bf t} {\bf t} {\bf e} {\bf e} {\bf t} {\bf s} {\bf t} {\bf e} {\bf t} {\bf e} {\bf e} {\bf e} {\bf t} {\bf t} {\bf s} {\bf e} {\bf e} {\bf t} {\bf e} {\bf e} {\bf e} {\bf e} {\bf t} {\bf t} {\bf s} {\bf e} {\bf e} {\bf e} {\bf e} {\bf t} {\bf t} {\bf s} {\bf e} {\bf e$
		tttetteeeeteets t statteeee e et tst stattee e e e et tst statteet e et ts statte e et ts statte e e et tst statte e e et tst statte e e et tst statte e e et e et
		${\bf s} t s tette e e e e t t s s e t te e e e $
		${\bf s} {\bf t} {\bf t$
2PEm2d+	cell	$ee e et t \underline{s} t s e e e e t t t t e e e e e e e t \underline{s} t \underline{s} t t e e e e e e t \underline{t} t \underline{s} t t e e e e e t \underline{t} t \underline{s} t t e e e e t \underline{t} t \underline{t} t \underline{t} t t e e e e e e t \underline{t} \underline{t}$
		${\bf s} t s t t s t t t t t t t t t t t t t $
		${\bf s} ttttee {\bf e} {\bf t} {\bf s} {\bf t} {\bf t} {\bf t} {\bf t} {\bf e} {\bf e} {\bf e} {\bf t} {\bf t} {\bf s} {\bf e} {\bf e} {\bf t} {\bf t} {\bf e} {\bf e} {\bf e} {\bf t} {\bf t} {\bf s} {\bf e} {\bf e} {\bf e} {\bf t} {\bf t} {\bf s} {\bf e} {\bf e} {\bf e} {\bf e} {\bf e} {\bf t} {\bf t} {\bf s} {\bf e} {\bf $
		tttetteee ete ete stst state ee ee et st ste et et te ee et et t state et et t state et et st state et et state et et state et et state et et et state et et et state et e
		${\bf s} {\tt tstetteee etts} {\tt setteee eetts} {\tt setetteee eetts} {\tt sttttt} {\tt sttttt} {\tt sttttt} {\tt tttt} {\tt t$
		${\bf stttttttttttttttttttttttttttttttttttt$

		ccgtcccgcatcccaacacgcatacttcccagggattttcccaaatcgagggaaaacccaaagaataacccaagaaaacagaaaaatccagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc
1PEe 1	cell 7	ecceecceecceecceecceecceecceecceecceec
		eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
4 D.E.	11.0	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEe	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEem1	cell	eee ceee eee ee ee ee ee ee ee ee ee ee
11 150111	cen	${\bf ststtsttttstttettstttsttteettsttstddttettstttseddeteeetttteeeteee$
		stttteeetsetetststetteeeettsseetteeeeettsseteteeeeettsstttttsstteee
1PEem2	cell	ee e et st see e et tt st e e e e e e e
		${\bf s} t s t t s t t t t t t t t t t t t t $
		${\bf s} ttttee et {\bf s} tette ee et t {\bf s} se et te ee ee et t {\bf s} se te te ee ee et t {\bf s} st ttt t {\bf s} s t te ee$
1PEed+	cell 7	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEed+	0.11.0	000000000000000000000000000000000000000
ir Lea+	cell 8	eccecceccecceccecceccecceccecccccccccc
		ecceccecceccecceccecceccecceccccccccccc
1PEem1d+	cell	$ee e et \mathbf{t} \mathbf{t} \mathbf{t} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{t} \mathbf{e} \mathbf{t} \mathbf{t} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{t} \mathbf{s} \mathbf{t} \mathbf{t} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{t} \mathbf{t} \mathbf{t} \mathbf{s} \mathbf{e} \mathbf{e} \mathbf{t} \mathbf{t} \mathbf{t} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{t} \mathbf{t} \mathbf{t} \mathbf{s} \mathbf{e} \mathbf{t} \mathbf{t} \mathbf{t} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{t} \mathbf{e} \mathbf{t} \mathbf{t} \mathbf{t} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{t} \mathbf{t} \mathbf{t} \mathbf{e} \mathbf{e} \mathbf{t} \mathbf{e} \mathbf{t} \mathbf{t} \mathbf{t} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{t} \mathbf{e} \mathbf{t} \mathbf{t} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{t} \mathbf{e} \mathbf{t} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{t} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{t} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{e} e$
		${\bf s} t s t t s t t t t t t t t t t t t t $
		${\bf sttttee et set et s} {\bf tettee e e e t t s se et te e e e e e e$
1PEem2d+	cell	ee eetts tsee eett tte tee eete ete stst state ee ee ett state eet ett tsee ett statt dtt tee eet ett statt de tate een een een een een een een een een e
		${\bf s} {\bf t} {\bf t$
		${\bf sttttee etsetets} {\bf tetee e etts seet te e e e e ttsete te e e e $
		at cct gggaaa a acccgagat gat cct gggaaa acccgagat acct gggaaa acccgagat cct gggaaa acccgag
6xdlPLZ $6$	cell 5	eeeceedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZ	cell 6	eccee deceeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZm1	cell	eeeteeedeeeeeeee
		tttstttsdddtttsttttsstdtstttstttsdddtttstttttstttsdddtttstttttstttsdddtttstttttstttsdddtttstttttstttsdddtttstttttstttsdddtttstttttstttsdddtttstttttstttsdddtttstttttstttsdddtttstttttstttsdddtttstttttstttsdddtttstttttstttsdddtttstttttstttsdddtttstttttstttsdddtttstttttstttsdddtttstttttstttsdddtttstttttstttsdddtttstttttstttsdddtttstttttstttsdddtttstttttt
		sttttttstttsdddttts
6xdlPLZm2	cell	
		tttstttsdddtttsttttstttsdddtttstttttt
		sttttttstttsdddttts
6xdlPLZd+	cell 5	eeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeteeedeeeeeeee
6xdlPLZd+	cell 6	eceeeedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee

ccgtcccgcatcccaacacgcatacttcccagggattttcccaaatcgagggaaaacccaaagaataacccaagagaaacagaaaaatcc

6xdlPLZm1d+	cell	
6xdlPLZm2d+	cell	tttstttsdddtttsttttstttsdddtttstttttstttsdddtttstttttt
		tttstttsdddtttsttttstttsdddtttstttttstttsdddtttstttttstttsdddtttstttttt
		aaaaaaaaaaaaaaaatccatatgagatccatatatgagatccatatatga
6xEtPLZ 0 6xEtPLZ 6xEtPLZm1 6xEtPLZm2 6xEtPLZd+ 6xEtPLZd+ 6xEtPLZm1d+ 6xEtPLZm2d+	cell 1 cell 2 cell cell cell 1 cell 2 cell 2 cell cell	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		agetttteetetgeteaaaateaaatgattaaaacaacagtttgatacgaattttaatteeetttttgetgeggagteagttaagtggtegettteaggacteaggaeteateeagategeacgateeetttgeatetgeetteteagaagetgettgaaagaegegeeettgggatgattagtgetaagateettgggeaggatggaaaatgggaaaacatgeggtgggaaaaacacacacacacacactgegaaacatttggettgeggaagacaagtgeggetgeaacaaaaaagtegegaaacgaaac
		$gccaggaatcaacgtcctgtcctg \\ cgtgggaaaag \\ cccacgtcctacccacgcccactcggttacctgaattcgagctcgagtgtttt \\ gtggctgagattgctttggtacggtggctgaccttgccagtgccagtgggtccatgtcc$
rho2216t1t2s4a 2.7	cell 10	ecceecceccecceccecceccccccccccccccccc
rho2216t1t2s4a	cell 13	ecceccecececececcecceccecceccccccccccc
rho2216t1t2s4am1	cell 8	et eccececed de eccecece eccececece eccecece eccececece eccecececece eccecececece eccecececece eccecececece eccecececececececececececececececececece

		etseeeeseeedeeceeeeeeeeeeeeeeeeeeeeeeeee
		eeccecececececececececececececececececec
		ecceecceccecceccecceccceccccccccccccccc
rho2216t1t2s4am2	cell 9	ecccecesecccccccccccccccccccccccccccccc
		eccececececececececececececececececece
		ecceccecceccecceccecceccecceccecceccecc
		eecceeecets eecceeececeececeececececececececececec
		ets ee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeceeeceeeceeeceeeceeeceeeceeeceeeceeeceeeceee
rho2216t1t2s4ad+	cell 10	ecceececececececececececececececececec
		ecceececececececececececececececececec
		ecceececececececececececececececececec
		eeeeeeeeeteeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eteeceeecedeeceeceeceeceeceeceeceeceeceece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1 00101110 4 1	11 10	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4ad+	cell 13	eecceeecceecceecceccecceccecccecccccccc
		eccceccccccccccccccccccccccccccccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccececeteccececececececececececececece
		etecececeedeecececececececececececececec
		eccececececececececececececececececece
rho2216t1t2s4am1d+	cell 8	
11102210010284a1111u+	Cell 6	000000000000000000000000000000000000000
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccececetseccececececececececececececece
		etseeeeseeedeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccececececececececececececececececece
		eccecececececececececececececececececece
rho2216t1t2s4am2d+	cell 9	ecceeceseccecececececececececececececec
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccececececececececececececececececece
		ecceeceets ecceeceeceeceeceeceeceeceeceeceeceeceec
		ets ee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtatuuuuuuuuuu
		ccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaacagaaacagaacaac
		cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc
1PE 0.97	cell 5	ecceccecceccecceccecceccccccccccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee

1PE	cell 6	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccececececececececececetseccececececece
		000000000000000000000000000000000000000
1PEm1	cell 8	ec
11 111111	cen o	•
		eeeeeeeeeeeeeeeeeeeeetseeeeeeeeeeeeeeee
		666666666666666666666666666666666666666
1PEm2	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeccecceccecceccecceccetsecceccecceccecceccecceccecccccccc
		ec
1PEd+	cell 5	ec
II Eu+	cen o	
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ec
1PEd+	cell 6	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeccecceccecceccecceccectsecceccecceccecceccecceccecccccccc
		eecceccccccccccccccccccccccccccccccccc
1PEm1d+	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
II Lillia	ccii o	
		eeeeeeeeeeeeeeeeeeeetseeedeeeeeedeeeeeedeeeeedeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEm2d+	cell 9	000000000000000000000000000000000000000
		ecececececececececececececetsececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		attecegtegatecaaagatatteteaateeeetttttgaateaacaagtaaaatattteaaaaattgeegacaatteeetegtatteeeeteeteeteeteeteeteeteeteeteeteete
		cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgtttttgcagccgccgctgccgcaattcccgtcgatcc
		aaagatatteteaateeeetttttgaateaacaagtaaaatattteaaaaattgeegacaatteeeetegtatteeeegteeegeateee
		aa cac g catact t c c cag g cat t t t c caa at c g a g a g a a a a c c caa g a g a a a a
		aggetetetteaatttagetttgaatttgetgtattttegttttgeageegeegetgeegetegagaaaategaaateeeeegeegeet
		aggic to the authorized the second se
		gacgt catacctgccgatgccgcagcttccgccattgagtgggagcgggatggcaagacaagcgagcg
2PE 1.9	cell 5	eececececececececececececececececececece
21 L 1.0	cen o	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccecceccecceccecceccecceccecccccccccc
		ecceeecceecceecceecceecceecceecceeccee
		ecccecccccccccccccccccccccccccccccccccc
		ecceecece tecceecececececececececececece
		000000000000000000000000000000000000000
2PE	cell 6	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
<b>21 1</b> 2	CCH U	
		ec
		000000000000000000000000000000000000000
		666666666666666666666666666666666666666
		ecceccccccccccccccccccccccccccccccccccc

		ecccccccccccccccccccccccccccccccccccccc
		ececececectteececececececececececececec
		ec
2PEm1	cell 8	
21 151111	cen o	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eecceeccececcececcecceccecccccccccccccc
		$eecceeeccee \dagger eecceeecceecceecceecceecce$
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm2	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeceeeceeeceeceeceeceeceeceeceeceec
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		eecceeeceeeceeeceeeceeceeceeceeceeceece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEd+	cell 5	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeceeceeceeceeceeceeceeceeceeceeceec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceecceccecceccecceccccccccccccccccccc
		ecceeeceeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeccecceccecceccecceccecceccecceccec
2PEd+	cell 6	ecceecceccecceccccccccccccccccccccccccc
•		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		0.0000000000000000000000000000000000000
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeceeeceeeceeeceeceeceeceeceeceeceeceec
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2PEm1d+	cell 8	ec
ZI Elliiq	CCII O	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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		ecceecceceteccecceccecceccecccccccccccc
ODE 01:	11.0	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm2d+	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceecceccecceccecceccecccccccccccccc

 $attecegtegatecaaagatatteteaateceetttttgaateaacaagtaaaatattteaaaaattgeegacaatteeetegtattee \\ cegteeegeateeeaacaegeataetteeeagggatttteeeaaategagggaaaaceeaaagaataaceeaagagaaacagaaaaatee \\ agagegtegagteaaggetetetteaatttagetttgaatttgetgtattttegttttgeageegeegetgeege$ 

$1PEe\ 0.98$	cell 7	ecceececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ececeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEe	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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1PEem1	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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		ececeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEem2	cell 9	ecceececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ececeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEed+	cell 7	ecceececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEed+	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEem1d+	cell 8	eecceeecceeecceeecceeecceeecceeecceee
		eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEem2d+	cell 9	eecceeecceeecceeecceeecceeecceeecceee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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		at cct gggaaa acccg ag at gat cct gggaaa acccg acct gggaaa acccg ag at cct gggaaa acccg a
		atcctgggaaaacccga
6xdlPLZ 5.8	cell 5	eeeceedeeceeceeceeceeceedeeceeceedeeceec
oxuif LZ 5.8	cen 5	eeeteedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZ	cell 6	ececeedececececeeeeeeeeeeeeeeeeeeeeeee
OXUII LLZ	cen o	eeeteedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZm1	cell 8	ececeedecececececececececececececececec
OXUII LZIIII	cen o	eeeteedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecetecedececee

6xdlPLZm2	cell 9	ecceedecececececececececececececececece
6xdlPLZd+	cell 5	ee
6xdlPLZd+	cell 6	eceeeedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZm1d+	cell 8	ececeedecececececececececececececececec
6xdlPLZm2d+	cell 9	ee
		aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa
6xEtPLZ 0	cell 1	eeeeeeeeeetseeeeetseeeeeetseeeeeeeeeeee
6xEtPLZ	cell 2	eeeeeeeeeetseeeeetseeeeeeetseeeeeeeeeee
6xEtPLZm1	cell 8	eeeeeeeeeetseeeeetseeeeeeeeeeeeeeeeeeee
6xEtPLZm2	cell 9	eeeeeeeeeetseeeeetseeeeeeetseeeeeeeeeee
6xEtPLZd+	cell 1	ee
6xEtPLZd+	cell 2	ee
6xEtPLZm1d+	cell 8	eeeeeeeeeeets eeeeeeeees eeeeeeeeeeeeee
6xEtPLZm2d+	cell 9	eeeeeeeeeets eeeeeeees eeeeeeeeeeeeeeee
		agcttttcctctgctcaaaatcaaatgattaaaacaacagtttgatacgaattttaattccctttttgctgcggagtcagttaagtggtcgtttcaggactcaggcatcatccagatcgcacgatcccatttgcatctgccttctcagaagctgcttgaaagacgcgcccctgggatgattagtgctaagatccttgggcaggatggaaaaatgggaaaacatgcggtgggaaaaacacacac
rho2216t1t2s4a 2.7	cell 10	eccecceccecceccecceccccccccccccccccccc
rho2216t1t2s4a	cell 13	eccecceccecceccecceccccccccccccccccccc

rho2216t1t2s4am1	cell 8	eccececececececececececececececececece
		ecceccecceccecceccecccccccccccccccccc
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		$ecceecece t_{\bf S} ecceececececececececececececececececec$
		etseeceseecedeeceeceeceeceeceeceeceeceeceeceecee
		eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eceeececeececeececececececececececececec
rho2216t1t2s4am2	cell 9	$eccecees \\ eccecees $
		ecceccecceccecceccecceccccccccccccccc
		eccececececececececececececececececece
		ececeeeeets ececeeeeeeeeeeeeeeeeeeeeeeee
		etsee ee
		eccececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4ad +	cell 10	eccececececececececececececececececece
		et e e e e e e e e e e e e e e e e e e
		ee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4ad+	cell 13	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eceececececececececececececececececece
		eceeeeceeeteeeeceeeceeeceeeceeeceeeceee
		eteeeceeeceeceeceeceeceeceeceeceeceeceec
		eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am1d+	cell 8	000000000000000000000000000000000000000
·		000000000000000000000000000000000000000
		000000000000000000000000000000000000000
		ececececet.sececececececececececececececececececec
		etseeceseceedecececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		000000000000000000000000000000000000000
rho2216t1t2s4am2d+	cell 9	ecceceseccecececececececececececececece
inozziotieza idinza i	cen o	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ec
		eeeeeeeeetseeeeeeeeeeeeeeeeeeeeeeeeeee
		etseeeeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeee
		ec
		ecceccecceccecceccecccccccccccccccccccc

cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc

1PE 0.97	cell 5	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccececececececececececececececececece
1PE	cell 6	ec
		ecceeececececececececeetsececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEm1	cell 8	000000000000000000000000000000000000000
		ececeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccceeccceccccccccccccccccccccccccccccc
1PEm2	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ececeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEd+	cell 5	ecccecccccccccccccccccccccccccccccccccc
		ecceeecececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEd+	cell 6	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEm1d+	cell 8	ecccecccccccccccccccccccccccccccccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEm2d+	cell 9	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ececeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattcc
		ccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaaatccaagagaaacagaaaaatccaagagaaacccaagagaaacagaaaaatccaagagaaaacccaagagaaacagaaaaatccaagagaaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaacccaagagaaacccaagagaacccaagaacccaagagaacccaagagaacccaagagaacccaagaacccaagagaacccaagaacccaagagaacccaag
		cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgcaattcccgtcgatcc
		aaagatatteteaateeeetttttgaateaacaagtaaaatattteaaaaattgeegacaatteeeetegtatteeeegteeegeateee
		aa cac g catact t c c cag g cat t t t c c caa at c g a g a g a a a a c c caa g a g a a a a
		aggetetettea att tagettt gaat tt get gt att tt eg tt tt geageegeegeegetegegetegagaa aa te gaaat ee
		${\color{red} {\bf g} a cgt catacctgccgatgccgcagcttccgccattgagtgggagcggggatggcaagacaagcgagcg$
		gcagcgaatggccgtcgagcagccgcaaaatgtcaatttgagcaatggccggaag
$2PE\ 1.9$	cell 5	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeceeeeceeeeceeeeceeeeceeeeceeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PE	cell 6	ececeecececececececececececececececece

eccepereceperecepereceperecepereceperecepereceperecepereceperecepered | eccepereceecceperate temperate tem2PEm1 cell 8 2PEm2 cell 9 eccceperceceperceceperceceperceceperceceperceceperceceperceceperceceperceceperceceperce  $e^{-2}$ 2PEd+cell 5 2PEd+cell 6 999999 eccceperceceperceceperceceperceceperceceperceceperceceperceceperceceperceceperceceperce 2PEm1d+ cell 8 

2PEm2d+	cell 9	eccececcececcecceccecccccccccccccccccc
		$attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattcc\\ ccgtcccgcatcccaacacgcatacttcccagggattttcccaaatcgagggaaaacccaaagaataacccaagagaaacagaaaaatcc\\ agagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc\\$
1PEe 0.98	cell 7	eccececececececececececececececececece
1PEe	cell 8	ececececececececececececececececececec
1PEem1	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEem2	cell 9	eccececececececececececececececececece
1PEed+	cell 7	eccececececececececececececececececece
1PEed+	cell 8	eccececececececececececececececececece
1PEem1d+	cell 8	ecceececececececececececececececececec
1PEem2d+	cell 9	ecceeceeceeceeceeceeceeceeceeceeceeceec
		at cct gggaaaacccgagat gat cct gggaaaacccgacct gggaaaacccgagat cct gggaaacccgagat cct gggaaacccgagat cct gggaaacccgagat cct
6xdlPLZ $5.8$	cell 5	eeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee

eeeteeedeeeeeeee

OXGII EZ	cen o	
		eeeteeedeeeeeeee
6xdlPLZm1	cell 8	ee
		eeeteeedeeeeeeee
6xdlPLZm2	cell 9	ee
		eeeteeedeeeeeeee
6xdlPLZd+	cell 5	eecee edeeceeeceeecee edeeceeeceedeeceeceedeeceeceedeeceeceece
		eeeteeedeeeeeeee
6xdlPLZd+	cell 6	eeceeedeeceeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeteeedeeeeeeee
6xdlPLZm1d+	cell 8	ee
		eeeteeedeeeeeeee
6xdlPLZm2d+	cell 9	eeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeteeedeeeeeeee
		aaaaaaaaaaaaaaatcca tatgagatcca tatgagat
		0.000000000000000
6xEtPLZ 0	cell 1	eccecececectseccecetseccecececececececec
6xEtPLZ	cell 2	eeeeeeeeeetseeeeetseeeeeeeeeeeeeeeeeeee
6xEtPLZm1	cell 8	eeceeeceectseececttseececectecececececec
6xEtPLZm2	cell 9	eeeeeeeeeetseeeeetseeeeeetseeeeeeeeeee
6xEtPLZd+	cell 1	
		eeeeeeeeeetseeeeetseeeeeetseeeeeeeeeeee
6xEtPLZd+	cell 2	eeeeeeeeeeetseeeeeetseeeeeeeeeeeeeeeeee
6xEtPLZm1d+	cell 8	eeeeeeeeeeetseeeeeetseeeeeeeeeeeeeeeeee
6xEtPLZm2d+	cell 9	eeeeeeeeeeetseeeeetseeeeeeteeeeeeeeeee
		agettttcctctgctcaaaatcaaaatgattaaaacaacagtttgatacgaattttaattcccctttttgctgcggagtcagttaagtgatt
		gtcgctttcaggactcagggcatcatccagatcgcacgatcccatttgcatctgccttctcagaagctgcttgaaagacgcgcccctg
		ggatgattagtgctaagatccttgggcaggatggaaaaatgggaaaaacatgcggtgggaaaaacacacatcgcgaaacatttggcgaaaaacatgcggtgggaaaaacacacatcgcgaaacatttggcgaaaaatgggaaaaacatgcggtgggaaaaacacacatcgcgaaacatttggcgaaaaaatgggaaaaacatgcggtgggaaaaacacacac
		ttgcggaagacaagtgcggctgcaacaaaaagtcgcgaaacgaaactctgggaagcggaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgcggcgggaaaaaaggacaccttgctgcggcgggaaaaaaggacaccttgctgcggcgggaaaaaaggacaccttgctgcggcgggaaaaaaggacaccttgctgcggcgggaaaaaaaggacaccttgctgcggcgggaaaaaaaggacaccttgctgcggcgggaaaaaaaa
		$caagtgg {\color{red}cgg} {\color{red}c$
		gccaggaatcaacgtcctgtcctgcgtgggaaaagcccacgtcctacccacgcccactcggttacctgaattcgagctcgagtgtttt
		gtggctgagattgctttggtacggtggctgaccttgccagtgccagtgggtccatgtcc
		8,886,8999,990,000,890,000,000,000,000,000,00
rho2216t1t2s4a 2.2	cell 10	eeccecceccecceccecccccccccccccccccccccc
111022100102510 2.2	con 10	eeceeeceeeceeceeceeceeceeceeceeceeceece
		ecceccecceccecceccecceccccccccccccccc
		eteeeeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeccee
l 001 <i>C</i> ±1±0 4	11 10	eeeceeeeceeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4a	cell 13	000000000000000000000000000000000000000
		eecceeccecceccecceccccccccccccccccccccc
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6xdlPLZ

cell 6

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		eteeeeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am1	cell 8	eeeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
f1102210t1t284a1111	cen 8	000000000000000000000000000000000000000
		000000000000000000000000000000000000000
		000000000000000000000000000000000000000
		eecceecectseecceecececececececececececec
		etseeeeseeedeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeccceecceecceecceecceecceecceecceecceecceecceecceecceecceecceecce
1001 <i>C</i> +1+0-40	11 0	eeeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am2	cell 9	ecceccescecceccecceccecceccecccccccccc
		000000000000000000000000000000000000000
		eeeceeeceeeceeeceeeceeeceeeceeeceeeceeecee
		eecceeccetseccececceccecceccecccccccccc
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		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1 00101110 4 11	11 10	eecceeccececcececcecceccccccccccccccccc
rho2216t1t2s4ad+	cell 10	000000000000000000000000000000000000000
		eeccececececececececececececececececec
		eeccecceccecceccecccccccccccccccccccccc
		eeccececet eeccecececececececececececece
		eteeceececedeceeceececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1 0040440 4 1	11.40	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4ad+	cell 13	eecceeeccecececececececececececececece
		eecceeeccecececececececececececececece
		eecceeecceeecceeecceecceecceecceecceecceecceecceecceecceecceecceecceecceecceecce
		ecceccecet cecceccecceccecceccecceccecccccccc
		eteeceececedeceeceeceeceeceeceeceeceeceece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am1d+	cell 8	ecceccecceccecceccecceccecceccecceccecc
		ecceccecceccecceccecceccecceccecceccecc
		ecceccecceccecceccecceccecceccecceccecc
		ecceccecetsecceccecceccecceccecceccecccccccc
		etseeeeseeedeeeeeeeeeeeeeeeeeeeeeeeeeee
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rho2216t1t2s4am2d+	cell 9	eeeeeeeseeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc

$1PE\ 0.87$	cell 5	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PE	cell 6	eeceeeceeeceeeceeeceeceeceeceeceeceecee
		eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeceeeceeeceeceeceeceeceeceeceeceeceece
1PEm1	cell 8	eeceeeceeeceeceeceeceeceeceeceeceeceece
		eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeceeeceeeceeceeceeceeceeceeceeceeceece
1PEm2	cell 9	eeceeeceeeceeceeceeceeceeceeceeceeceece
		eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEd+	cell 5	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEd+	cell 6	eeceeeceeeceeceeceeceeceeceeceeceeceece
		eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeceeeceeeceeceeceeceeceeceeceeceeceece
1PEm1d+	cell 8	eeceeeceeeceeeceeceeceeceeceeceeeceeec
		eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeceeeceeeceeeceeceeceeceeceeceeceeceec
1PEm2d+	cell 9	eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattccccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaaatccaagagaaacccaagagaaacagaaaaatccaagagaaaacccaagagaaacagaaaaatccaagagaaaacccaagagaaacagaaaaatccaagagaaaacccaagagaacccaagagaacccaagaacccaagagaacccaagaacccaagagaacccaagaaccc

 $cagagegtegagteaaggeteetetteaatttagetttgaatttgetgtattttegttttgeageegeegetgeegeaatteeegtegatee \\ aaagatatteteaateeeetttttgaateaacaagtaaaatattteaaaaattgeegacaatteeeetgtatteeegeateee \\ aacaegeataetteeeaggeatttteeeaaategagagaaaaceeaaagaataaceeaaggaaaacagaaaaateeagagegtegagtea \\ aggeteettetaaatttagetttgaatttgetgtattttegttttgeageegeegetgeegetegagaaaategaaateeeeegeet$ 

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		eecceecceetecceeteccecceccecccccccccccc
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2PE	cell 6	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm1	cell 8	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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		0.0000000000000000000000000000000000000
		eeccecececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceccecetteccecceccecceccecceccecceccec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm2	cell 9	ec
21 11112	CCII 3	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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ODE L	11 =	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEd+	cell 5	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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		eecceeeceeeceeeceeeceeceeceeceeceeceece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEd+	cell 6	ecceececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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		ecccecccccccccccccccccccccccccccccccccc
		eecceecceetecceeteccecceccecccccccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm1d+	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
	JUI 0	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee

ecceperate temperate tem2PEm2d+cell 9 atteccgtcgatccaaagatattetcaatccctttttgaatcaacaagtaaaatatttcaaaaaattgccgacaattccctcgtattccccgtcccgcatcccaacacgcatacttcccaggggattttcccaaatcgagggaaaacccaaagaataacccaagagaaacagaaaaatccagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc1PEe 0.91cell 7 1PEe cell 8 1PEem1 cell 8 1PEem2 cell 9 1PEed+cell 7 1PEed+cell 8 1PEem1d+ cell 8 1PEem2d+ cell 9 

atcetgggaaaaccegagatgateetgggaaaaccegacetgggaaaaccegagateetgggaaaaccegagateetgggaaaaccegag

## atcctgggaaaacccga

6xdlPLZ 5.4	cell 5	eeceeedeeceeeeeedeeceeeoedeeceeedeeceeeoeeeo
		eeeteeedeeeeeeee
6xdlPLZ	cell 6	ee
		eeeteeedeeeeeeee
6xdlPLZm1	cell 8	ee
		eeeteeedeeeeeeee
6xdlPLZm2	cell 9	ecceeedeceeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeteeedeeeeeeee
6xdlPLZd+	cell 5	ee
		eeeteeedeeeeeeee
6xdlPLZd+	cell 6	ee
		eeeteeedeeeeeeee
6xdlPLZm1d+	cell 8	ee
		eeeteeedeeeeeeee
6xdlPLZm2d+	cell 9	ee
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		aaaaaaaagatccatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatga

cell 1	ecceeeeeeeets eeceeeets eeceeeeeeeeeeeee
cell 2	eeeeeeeeeeets eeeeeeeets eeeeeeeeeeeeee
cell 8	eeeeeeeeeeets eeeeeeeets eeeeeeeeeeeeee
cell 9	ecceeeceeects ecceeects ecceeeceeceeceeceeceeceeceeceeceeceecee
cell 1	eeeeeeeeeeets eeeeeeeets eeeeeeeeeeeeee
cell 2	eeeeeeeeeeets eeeeeeeets eeeeeeeeeeeeee
cell 8	eeeeeeeeeets eeeeeeets eeeeeeeeeeeeeeee
cell 9	eeeeeeeeeeets eeeeeeeeeeeeeeeeeeeeeeeee
	cell 2 cell 8 cell 9 cell 1 cell 2 cell 8