ADM = -Ao^2\*wp^2 \*(Ao^2\*R2\*R3\*R6\*wp^2 + 2\*Ao^2\*R2\*R3\*R7\*wp^2 + Ao^2\*R2\*R4\*R7\*wp^2 + Ao\*R1\*R4\*R5\*s\*wp + Ao\*R1\*R4\*R5\*wp^2 + Ao\*R1\*R4\*R6\*s\*wp + Ao\*R1\*R4\*R6\*wp^2 + Ao\*R1\*R4\*R7\*s\*wp + Ao\*R1\*R4\*R7\*wp^2 + Ao\*R1\*R5\*R6\*s\*wp + Ao\*R1\*R5\*R6\*wp^2 + 2\*Ao\*R1\*R5\*R7\*s\*wp + 2\*Ao\*R1\*R5\*R7\*wp^2 + 2\*Ao\*R2\*R3\*R5\*s\*wp + 2\*Ao\*R2\*R3\*R5\*wp^2 + Ao\*R2\*R3\*R6\*s\*wp + Ao\*R2\*R3\*R6\*wp^2 + 2\*Ao\*R2\*R4\*R5\*s\*wp + 2\*Ao\*R2\*R4\*R5\*wp^2 + 2\*Ao\*R2\*R4\*R6\*s\*wp + 2\*Ao\*R2\*R4\*R6\*wp^2 + Ao\*R2\*R4\*R7\*s\*wp + Ao\*R2\*R4\*R7\*wp^2 + 2\*Ao\*R2\*R5\*R6\*s\*wp + 2\*Ao\*R2\*R5\*R6\*wp^2 + 2\*Ao\*R2\*R5\*R7\*s\*wp + 2\*Ao\*R2\*R5\*R7\*wp^2 + R1\*R3\*R5\*s^2 + 2\*R1\*R3\*R5\*s\*wp + R1\*R3\*R5\*wp^2 + R1\*R3\*R6\*s^2 + 2\*R1\*R3\*R6\*s\*wp + R1\*R3\*R6\*wp^2 + R1\*R3\*R7\*s^2 + 2\*R1\*R3\*R7\*s\*wp + R1\*R3\*R7\*wp^2 + R1\*R4\*R5\*s^2 + 2\*R1\*R4\*R5\*s\*wp + R1\*R4\*R5\*wp^2 + R1\*R4\*R6\*s^2 + 2\*R1\*R4\*R6\*s\*wp + R1\*R4\*R6\*wp^2 + R1\*R4\*R7\*s^2 + 2\*R1\*R4\*R7\*s\*wp + R1\*R4\*R7\*wp^2 + R1\*R5\*R6\*s^2 + 2\*R1\*R5\*R6\*s\*wp + R1\*R5\*R6\*wp^2 + R1\*R5\*R7\*s^2 + 2\*R1\*R5\*R7\*s\*wp + R1\*R5\*R7\*wp^2 + 2\*R2\*R3\*R5\*s^2 + 4\*R2\*R3\*R5\*s\*wp + 2\*R2\*R3\*R5\*wp^2 + 2\*R2\*R3\*R6\*s^2 + 4\*R2\*R3\*R6\*s\*wp + 2\*R2\*R3\*R6\*wp^2 + 2\*R2\*R3\*R7\*s^2 + 4\*R2\*R3\*R7\*s\*wp + 2\*R2\*R3\*R7\*wp^2 + 2\*R2\*R4\*R5\*s^2 + 4\*R2\*R4\*R5\*s\*wp + 2\*R2\*R4\*R5\*wp^2 + 2\*R2\*R4\*R6\*s^2 + 4\*R2\*R4\*R6\*s\*wp + 2\*R2\*R4\*R6\*wp^2 + 2\*R2\*R4\*R7\*s^2 + 4\*R2\*R4\*R7\*s\*wp + 2\*R2\*R4\*R7\*wp^2 + 2\*R2\*R5\*R6\*s^2 + 4\*R2\*R5\*R6\*s\*wp + 2\*R2\*R5\*R6\*wp^2 + 2\*R2\*R5\*R7\*s^2 + 4\*R2\*R5\*R7\*s\*wp + 2\*R2\*R5\*R7\*wp^2)/(2\*(Ao\*R1\*wp + R1\*s + R1\*wp + R2\*s + R2\*wp)\*(Ao^3\*R4\*R7\*wp^3 + Ao^2\*R3\*R7\*s\*wp^2 + Ao^2\*R3\*R7\*wp^3 + Ao^2\*R4\*R5\*s\*wp^2 + Ao^2\*R4\*R5\*wp^3 + Ao^2\*R4\*R6\*s\*wp^2 + Ao^2\*R4\*R6\*wp^3 + Ao^2\*R4\*R7\*s\*wp^2 + Ao^2\*R4\*R7\*wp^3 + Ao^2\*R5\*R6\*s\*wp^2 + Ao^2\*R5\*R6\*wp^3 + Ao\*R3\*R5\*s^2\*wp + 2\*Ao\*R3\*R5\*s\*wp^2 + Ao\*R3\*R5\*wp^3 + Ao\*R3\*R6\*s^2\*wp + 2\*Ao\*R3\*R6\*s\*wp^2 + Ao\*R3\*R6\*wp^3 + 2\*Ao\*R4\*R5\*s^2\*wp + 4\*Ao\*R4\*R5\*s\*wp^2 + 2\*Ao\*R4\*R5\*wp^3 + 2\*Ao\*R4\*R6\*s^2\*wp + 4\*Ao\*R4\*R6\*s\*wp^2 + 2\*Ao\*R4\*R6\*wp^3 + Ao\*R4\*R7\*s^2\*wp + 2\*Ao\*R4\*R7\*s\*wp^2 + Ao\*R4\*R7\*wp^3 + 2\*Ao\*R5\*R6\*s^2\*wp + 4\*Ao\*R5\*R6\*s\*wp^2 + 2\*Ao\*R5\*R6\*wp^3 + Ao\*R5\*R7\*s^2\*wp + 2\*Ao\*R5\*R7\*s\*wp^2 + Ao\*R5\*R7\*wp^3 + R3\*R5\*s^3 + 3\*R3\*R5\*s^2\*wp + 3\*R3\*R5\*s\*wp^2 + R3\*R5\*wp^3 + R3\*R6\*s^3 + 3\*R3\*R6\*s^2\*wp + 3\*R3\*R6\*s\*wp^2 + R3\*R6\*wp^3 + R3\*R7\*s^3 + 3\*R3\*R7\*s^2\*wp + 3\*R3\*R7\*s\*wp^2 + R3\*R7\*wp^3 + R4\*R5\*s^3 + 3\*R4\*R5\*s^2\*wp + 3\*R4\*R5\*s\*wp^2 + R4\*R5\*wp^3 + R4\*R6\*s^3 + 3\*R4\*R6\*s^2\*wp + 3\*R4\*R6\*s\*wp^2 + R4\*R6\*wp^3 + R4\*R7\*s^3 + 3\*R4\*R7\*s^2\*wp + 3\*R4\*R7\*s\*wp^2 + R4\*R7\*wp^3 + R5\*R6\*s^3 + 3\*R5\*R6\*s^2\*wp + 3\*R5\*R6\*s\*wp^2 + R5\*R6\*wp^3 + R5\*R7\*s^3 + 3\*R5\*R7\*s^2\*wp + 3\*R5\*R7\*s\*wp^2 + R5\*R7\*wp^3))

R5 = 50021.24

Aol 200k

Num= -138244743000000000000000000, -391491376342290000000000000000000, -68045872339540067175000000000000000000

Denom= 15735174000000, 53551994110440000000, 34366371818492484900000000,7265164955007171174849000000000,486108969742072185590343183750000000

Aol100k

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Aol150k

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Aol250k3

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Denom= 15735174000000, 53551805288352000000, 34365889851395190336000000, 7264958758222162361522688000000, 486087174556503064540684568064000000

Aol50k

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Denom= 15735174000000, 53554826441760000000, 34373601528879758400000000, 7268258253804935190336000000000, 486435971761830430727855040000000000

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Aol 200k

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Denom= 9997176000000, 33058799830560000000, 24177575632496187600000000, 6210941304954419961876000000000, 486093158679731371931107035000000000

Aol100k

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Denom= 9997176000000, 33059399661120000000, 24179063291984750400000000,6211666654538219695008000000000, 486186328239371779497712560000000000

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R5=10021.06

Aol 200k

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Aol100k

Num= -34924743000000000000000000, -81529324484580000000000000000000, -68042445848302268700000000000000000000

Denom= 3975174000000, 11551527020880000000, 13485001615965939600000000,5104943068908264318792000000000, 486153136155877681569890940000000000

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R5=4984.45

///////con Aol200k wp15////////

Aol 200k

Num= -21914172000000000000000000, -42496173425160000000000000000000, -68040637437670688700000000000000000000

Denom= 2494296000000, 6262349657760000000, 10854929802367299600000000, 4832461643667018672996000000000, 486072484482316935051273735000000000

Aol100k

Num= -21914172000000000000000000, -42496830850320000000000000000000, -68041274885202754800000000000000000000

Denom= 2494296000000, 6262499315520000000, 10855211611469198400000000, 4832787295788209383968000000000, 486144973849352281420379760000000000

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R5=1004.26

Aol 200k

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Denom= 1324176000000, 2083279450560000000, 8777181745787637600000000, 4617479314046177876376000000000, 486069260214851830867036410000000000

Aol100k

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Denom= 1324176000000, 2083358901120000000, 8777275495150550400000000, 4617742630904783011008000000000, 486138524379435447472582560000000000

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R5=99.57

Aol 200k

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Denom= 1.058273580e12, 1.133611996e18, 8.305026550e24, 4.568625930e30, 4.860685275e35

Aol100k

Num= -9.297689310e24, -4.646625790e30,-6.804013936e37

Denom= 1.058273580e12, 1.133675493e18, 8.305077565e24, 4.568875082e30,4.861370587e35