**# SSAT Generators and Results**

**------18R18E-------**

**ssat-generator 36 125 8 2 RRRRRRRRRRRRRRRRRREEEEEEEEEEEEEEEEEE 0.5 0.8 0.9 0.7 0.5 0.6 0.3 0.4 0.7 0.2 0.9 0.1 0.8 0.5 0.2 0.6 0.7 0.8 1707223**

**ssat-generator 36 125 8 2 RRRRRRRRRRRRRRRRRREEEEEEEEEEEEEEEEEE 0.5 0.8 0.9 0.7 0.5 0.6 0.3 0.4 0.7 0.2 0.9 0.1 0.8 0.5 0.2 0.6 0.7 0.8 2404672**

**ssat-generator 36 125 8 2 RRRRRRRRRRRRRRRRRREEEEEEEEEEEEEEEEEE 0.5 0.8 0.9 0.7 0.5 0.6 0.3 0.4 0.7 0.2 0.9 0.1 0.8 0.5 0.2 0.6 0.7 0.8 2445381**

**------18R18E-------**

**------18E18R-------**

**ssat-generator 36 125 8 2 EEEEEEEEEEEEEEEEEERRRRRRRRRRRRRRRRRR 0.5 0.8 0.9 0.7 0.5 0.6 0.3 0.4 0.7 0.2 0.9 0.1 0.8 0.5 0.2 0.6 0.7 0.8 2812820**

**ssat-generator 36 125 8 2 EEEEEEEEEEEEEEEEEERRRRRRRRRRRRRRRRRR 0.5 0.8 0.9 0.7 0.5 0.6 0.3 0.4 0.7 0.2 0.9 0.1 0.8 0.5 0.2 0.6 0.7 0.8 3530948**

**ssat-generator 36 125 8 2 EEEEEEEEEEEEEEEEEERRRRRRRRRRRRRRRRRR 0.5 0.8 0.9 0.7 0.5 0.6 0.3 0.4 0.7 0.2 0.9 0.1 0.8 0.5 0.2 0.6 0.7 0.8 3691837**

**------18E18R-------**

**------36E--------**

**ssat-generator 36 125 8 2 EEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEE 4402424**

**ssat-generator 36 125 8 2 EEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEE 4665560**

**ssat-generator 36 125 8 2 EEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEE 5929107**

**------36E--------**

**------36R--------**

**ssat-generator 36 125 8 2 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 0.5 0.8 0.9 0.7 0.5 0.6 0.3 0.4 0.7 0.2 0.9 0.1 0.8 0.5 0.2 0.6 0.7 0.8 0.5 0.8 0.9 0.7 0.5 0.6 0.3 0.4 0.7 0.2 0.9 0.1 0.8 0.5 0.2 0.6 0.7 0.8 6405468**

**ssat-generator 36 125 8 2 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 0.5 0.8 0.9 0.7 0.5 0.6 0.3 0.4 0.7 0.2 0.9 0.1 0.8 0.5 0.2 0.6 0.7 0.8 0.5 0.8 0.9 0.7 0.5 0.6 0.3 0.4 0.7 0.2 0.9 0.1 0.8 0.5 0.2 0.6 0.7 0.8 6523858**

**ssat-generator 36 125 8 2 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 0.5 0.8 0.9 0.7 0.5 0.6 0.3 0.4 0.7 0.2 0.9 0.1 0.8 0.5 0.2 0.6 0.7 0.8 0.5 0.8 0.9 0.7 0.5 0.6 0.3 0.4 0.7 0.2 0.9 0.1 0.8 0.5 0.2 0.6 0.7 0.8 7136911**

**------36R--------**

**------9E9R9E9R-------**

**ssat-generator 36 125 8 2 EEEEEEEEERRRRRRRRREEEEEEEEERRRRRRRRR 0.5 0.8 0.9 0.7 0.5 0.6 0.3 0.4 0.7 0.2 0.9 0.1 0.8 0.5 0.2 0.6 0.7 0.8 7387483**

**ssat-generator 36 125 8 2 EEEEEEEEERRRRRRRRREEEEEEEEERRRRRRRRR 0.5 0.8 0.9 0.7 0.5 0.6 0.3 0.4 0.7 0.2 0.9 0.1 0.8 0.5 0.2 0.6 0.7 0.8 7970290**

**ssat-generator 36 125 8 2 EEEEEEEEERRRRRRRRREEEEEEEEERRRRRRRRR 0.5 0.8 0.9 0.7 0.5 0.6 0.3 0.4 0.7 0.2 0.9 0.1 0.8 0.5 0.2 0.6 0.7 0.8 8303722**

**------9E9R9E9R-------**

**------9R9E9R9E-------**

**ssat-generator 36 125 8 2 EEEEEEEEERRRRRRRRREEEEEEEEERRRRRRRRR 0.5 0.8 0.9 0.7 0.5 0.6 0.3 0.4 0.7 0.2 0.9 0.1 0.8 0.5 0.2 0.6 0.7 0.8 8399119**

**ssat-generator 36 125 8 2 EEEEEEEEERRRRRRRRREEEEEEEEERRRRRRRRR 0.5 0.8 0.9 0.7 0.5 0.6 0.3 0.4 0.7 0.2 0.9 0.1 0.8 0.5 0.2 0.6 0.7 0.8 8502995**

**ssat-generator 36 125 8 2 EEEEEEEEERRRRRRRRREEEEEEEEERRRRRRRRR 0.5 0.8 0.9 0.7 0.5 0.6 0.3 0.4 0.7 0.2 0.9 0.1 0.8 0.5 0.2 0.6 0.7 0.8 8589180**

**------9R9E9R9E-------**

**FILE [e1.ssat] READ SUCCESSFULLY**

**====================================================================**

**RESULT OF NAIVESOLVESSAT: 1**

**NUM OF UCP: 0**

**NUM OF PVE: 0**

**NUM OF VS: 25653485**

**PERCENTAGE OF VS: 0.0373307**

**SOLUTION TIME: 602.192**

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**RESULT OF UCPSOLVESSAT: 1**

**NUM OF UCP: 936142**

**NUM OF PVE: 0**

**NUM OF VS: 573603**

**PERCENTAGE OF VS: 0.000834702**

**SOLUTION TIME: 22.1623**

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**RESULT OF PVESOLVESSAT: 1**

**NUM OF UCP: 0**

**NUM OF PVE: 451154**

**NUM OF VS: 241457**

**PERCENTAGE OF VS: 0.000351366**

**SOLUTION TIME: 22.0961**

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**RESULT OF SOLVESSAT (BOTH UCP & PVE): 1**

**NUM OF UCP: 27338**

**NUM OF PVE: 34369**

**NUM OF VS: 8715**

**PERCENTAGE OF VS: 1.2682e-05**

**SOLUTION TIME: 2.06923**

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**RESULT OF HEURISTICSOLVESSAT - RANDOMVAR - 1**

**NUM OF UCP: 31710**

**NUM OF PVE: 43822**

**NUM OF VS: 10634**

**PERCENTAGE OF VS: 1.54745e-05**

**SOLUTION TIME: 2.47973**

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**RESULT OF HEURISTICSOLVESSAT - MAXVAR - 1**

**NUM OF UCP: 728**

**NUM OF PVE: 2906**

**NUM OF VS: 315**

**PERCENTAGE OF VS: 4.58385e-07**

**SOLUTION TIME: 0.139854**

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**RESULT OF HEURISTICSOLVESSAT - MINCLAUSE - 1**

**NUM OF UCP: 2940**

**NUM OF PVE: 7833**

**NUM OF VS: 1364**

**PERCENTAGE OF VS: 1.98488e-06**

**SOLUTION TIME: 0.39897**

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**RESULT OF HEURISTICSOLVESSAT - MAXCLAUSE - 1**

**NUM OF UCP: 31368**

**NUM OF PVE: 38867**

**NUM OF VS: 9354**

**PERCENTAGE OF VS: 1.36119e-05**

**SOLUTION TIME: 2.48033**

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**FILE [e2.ssat] READ SUCCESSFULLY**

**====================================================================**

**RESULT OF NAIVESOLVESSAT: 1**

**NUM OF UCP: 0**

**NUM OF PVE: 0**

**NUM OF VS: 37452845**

**PERCENTAGE OF VS: 0.0545011**

**SOLUTION TIME: 854.695**

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**RESULT OF UCPSOLVESSAT: 1**

**NUM OF UCP: 1307544**

**NUM OF PVE: 0**

**NUM OF VS: 851226**

**PERCENTAGE OF VS: 0.0012387**

**SOLUTION TIME: 27.5659**

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**RESULT OF PVESOLVESSAT: 1**

**NUM OF UCP: 0**

**NUM OF PVE: 685292**

**NUM OF VS: 640692**

**PERCENTAGE OF VS: 0.00093233**

**SOLUTION TIME: 45.5258**

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**RESULT OF SOLVESSAT (BOTH UCP & PVE): 1**

**NUM OF UCP: 14482**

**NUM OF PVE: 30513**

**NUM OF VS: 5829**

**PERCENTAGE OF VS: 8.48231e-06**

**SOLUTION TIME: 1.42096**

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**RESULT OF HEURISTICSOLVESSAT - RANDOMVAR - 1**

**NUM OF UCP: 16636**

**NUM OF PVE: 31416**

**NUM OF VS: 5590**

**PERCENTAGE OF VS: 8.13452e-06**

**SOLUTION TIME: 1.64532**

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**RESULT OF HEURISTICSOLVESSAT - MAXVAR - 1**

**NUM OF UCP: 939**

**NUM OF PVE: 3403**

**NUM OF VS: 295**

**PERCENTAGE OF VS: 4.29281e-07**

**SOLUTION TIME: 0.168499**

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**RESULT OF HEURISTICSOLVESSAT - MINCLAUSE - 1**

**NUM OF UCP: 3412**

**NUM OF PVE: 9057**

**NUM OF VS: 1373**

**PERCENTAGE OF VS: 1.99798e-06**

**SOLUTION TIME: 0.479276**

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**RESULT OF HEURISTICSOLVESSAT - MAXCLAUSE - 1**

**NUM OF UCP: 7420**

**NUM OF PVE: 16580**

**NUM OF VS: 2978**

**PERCENTAGE OF VS: 4.33356e-06**

**SOLUTION TIME: 0.792398**

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**FILE [e3.ssat] READ SUCCESSFULLY**

**====================================================================**

**RESULT OF NAIVESOLVESSAT: 1**

**NUM OF UCP: 0**

**NUM OF PVE: 0**

**NUM OF VS: 21589091**

**PERCENTAGE OF VS: 0.0314163**

**SOLUTION TIME: 406.72**

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**RESULT OF UCPSOLVESSAT: 1**

**NUM OF UCP: 2419490**

**NUM OF PVE: 0**

**NUM OF VS: 1853379**

**PERCENTAGE OF VS: 0.00269702**

**SOLUTION TIME: 56.7467**

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**RESULT OF PVESOLVESSAT: 1**

**NUM OF UCP: 0**

**NUM OF PVE: 652946**

**NUM OF VS: 261360**

**PERCENTAGE OF VS: 0.000380329**

**SOLUTION TIME: 34.3682**

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**RESULT OF SOLVESSAT (BOTH UCP & PVE): 1**

**NUM OF UCP: 23867**

**NUM OF PVE: 62414**

**NUM OF VS: 8531**

**PERCENTAGE OF VS: 1.24142e-05**

**SOLUTION TIME: 3.28609**

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**RESULT OF HEURISTICSOLVESSAT - RANDOMVAR - 1**

**NUM OF UCP: 10255**

**NUM OF PVE: 29092**

**NUM OF VS: 4564**

**PERCENTAGE OF VS: 6.64149e-06**

**SOLUTION TIME: 1.35444**

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**RESULT OF HEURISTICSOLVESSAT - MAXVAR - 1**

**NUM OF UCP: 374**

**NUM OF PVE: 1972**

**NUM OF VS: 146**

**PERCENTAGE OF VS: 2.12458e-07**

**SOLUTION TIME: 0.114887**

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**RESULT OF HEURISTICSOLVESSAT - MINCLAUSE - 1**

**NUM OF UCP: 1787**

**NUM OF PVE: 7346**

**NUM OF VS: 760**

**PERCENTAGE OF VS: 1.10595e-06**

**SOLUTION TIME: 0.440613**

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**RESULT OF HEURISTICSOLVESSAT - MAXCLAUSE - 1**

**NUM OF UCP: 23207**

**NUM OF PVE: 54455**

**NUM OF VS: 7445**

**PERCENTAGE OF VS: 1.08339e-05**

**SOLUTION TIME: 3.07648**

**====================================================================**

**FILE [r1.ssat] READ SUCCESSFULLY**

**====================================================================**

**RESULT OF SOLVESSAT - NAIVE: 6.05978e-05**

**NUM OF UCP: 0**

**NUM OF PVE: 0**

**NUM OF VS: 89119942**

**PERCENTAGE OF VS: 0.129687**

**SOLUTION TIME: 1177.11**

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**RESULT OF SOLVESSAT - UCPONLY: 6.05978e-05**

**NUM OF UCP: 2056925**

**NUM OF PVE: 0**

**NUM OF VS: 1567291**

**PERCENTAGE OF VS: 0.00228071**

**SOLUTION TIME: 28.1959**

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**RESULT OF SOLVESSAT - PVEONLY: 6.05978e-05**

**NUM OF UCP: 0**

**NUM OF PVE: 0**

**NUM OF VS: 89119942**

**PERCENTAGE OF VS: 0.129687**

**SOLUTION TIME: 1615.14**

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**RESULT OF SOLVESSAT - UCPPVE: 6.05978e-05**

**NUM OF UCP: 2056925**

**NUM OF PVE: 0**

**NUM OF VS: 1567291**

**PERCENTAGE OF VS: 0.00228071**

**SOLUTION TIME: 32.1473**

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**RESULT OF SOLVESSAT - RANDOMVAR: 6.05978e-05**

**NUM OF UCP: 2582955**

**NUM OF PVE: 0**

**NUM OF VS: 1850204**

**PERCENTAGE OF VS: 0.0026924**

**SOLUTION TIME: 42.3196**

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**RESULT OF SOLVESSAT - MAXVAR: 6.05978e-05**

**NUM OF UCP: 187033**

**NUM OF PVE: 0**

**NUM OF VS: 170453**

**PERCENTAGE OF VS: 0.000248042**

**SOLUTION TIME: 3.02315**

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**RESULT OF SOLVESSAT - MINCLAUSE: 6.05978e-05**

**NUM OF UCP: 382033**

**NUM OF PVE: 0**

**NUM OF VS: 554646**

**PERCENTAGE OF VS: 0.000807116**

**SOLUTION TIME: 11.0883**

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**RESULT OF SOLVESSAT - MAXCLAUSE: 6.05978e-05**

**NUM OF UCP: 2130657**

**NUM OF PVE: 0**

**NUM OF VS: 1335080**

**PERCENTAGE OF VS: 0.0019428**

**SOLUTION TIME: 33.2193**

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**FILE [r2.ssat] READ SUCCESSFULLY**

**====================================================================**

**RESULT OF NAIVESOLVESSAT: 7.60908e-09**

**NUM OF UCP: 0**

**NUM OF PVE: 0**

**NUM OF VS: 1886246**

**PERCENTAGE OF VS: 0.00274485**

**SOLUTION TIME: 80.5991**

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**RESULT OF UCPSOLVESSAT: 7.60908e-09**

**NUM OF UCP: 9279**

**NUM OF PVE: 0**

**NUM OF VS: 5425**

**PERCENTAGE OF VS: 7.89441e-06**

**SOLUTION TIME: 0.213466**

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**RESULT OF PVESOLVESSAT: 7.60908e-09**

**NUM OF UCP: 0**

**NUM OF PVE: 0**

**NUM OF VS: 1886246**

**PERCENTAGE OF VS: 0.00274485**

**SOLUTION TIME: 113.975**

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**RESULT OF SOLVESSAT (BOTH UCP & PVE): 7.60908e-09**

**NUM OF UCP: 9279**

**NUM OF PVE: 0**

**NUM OF VS: 5425**

**PERCENTAGE OF VS: 7.89441e-06**

**SOLUTION TIME: 0.241078**

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**RESULT OF HEURISTICSOLVESSAT - RANDOMVAR - 7.60908e-09**

**NUM OF UCP: 12206**

**NUM OF PVE: 0**

**NUM OF VS: 5894**

**PERCENTAGE OF VS: 8.5769e-06**

**SOLUTION TIME: 0.332131**

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**RESULT OF HEURISTICSOLVESSAT - MAXVAR - 7.60908e-09**

**NUM OF UCP: 1903**

**NUM OF PVE: 0**

**NUM OF VS: 1245**

**PERCENTAGE OF VS: 1.81171e-06**

**SOLUTION TIME: 0.057994**

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**RESULT OF HEURISTICSOLVESSAT - MINCLAUSE - 7.60908e-09**

**NUM OF UCP: 4271**

**NUM OF PVE: 0**

**NUM OF VS: 3086**

**PERCENTAGE OF VS: 4.49072e-06**

**SOLUTION TIME: 0.144313**

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**RESULT OF HEURISTICSOLVESSAT - MAXCLAUSE - 7.60908e-09**

**NUM OF UCP: 10037**

**NUM OF PVE: 0**

**NUM OF VS: 5156**

**PERCENTAGE OF VS: 7.50297e-06**

**SOLUTION TIME: 0.269705**

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**FILE [r3.ssat] READ SUCCESSFULLY**

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**RESULT OF NAIVESOLVESSAT: 1.85051e-08**

**NUM OF UCP: 0**

**NUM OF PVE: 0**

**NUM OF VS: 1317470**

**PERCENTAGE OF VS: 0.00191717**

**SOLUTION TIME: 38.9094**

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**RESULT OF UCPSOLVESSAT: 1.85051e-08**

**NUM OF UCP: 21813**

**NUM OF PVE: 0**

**NUM OF VS: 11891**

**PERCENTAGE OF VS: 1.73037e-05**

**SOLUTION TIME: 0.531396**

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**RESULT OF PVESOLVESSAT: 1.85051e-08**

**NUM OF UCP: 0**

**NUM OF PVE: 0**

**NUM OF VS: 1317470**

**PERCENTAGE OF VS: 0.00191717**

**SOLUTION TIME: 53.7275**

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**RESULT OF SOLVESSAT (BOTH UCP & PVE): 1.85051e-08**

**NUM OF UCP: 21813**

**NUM OF PVE: 0**

**NUM OF VS: 11891**

**PERCENTAGE OF VS: 1.73037e-05**

**SOLUTION TIME: 0.60444**

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**RESULT OF HEURISTICSOLVESSAT - RANDOMVAR - 1.85051e-08**

**NUM OF UCP: 39865**

**NUM OF PVE: 0**

**NUM OF VS: 15863**

**PERCENTAGE OF VS: 2.30837e-05**

**SOLUTION TIME: 1.11532**

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**RESULT OF HEURISTICSOLVESSAT - MAXVAR - 1.85051e-08**

**NUM OF UCP: 6164**

**NUM OF PVE: 0**

**NUM OF VS: 3167**

**PERCENTAGE OF VS: 4.60859e-06**

**SOLUTION TIME: 0.181535**

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**RESULT OF HEURISTICSOLVESSAT - MINCLAUSE - 1.85051e-08**

**NUM OF UCP: 11312**

**NUM OF PVE: 0**

**NUM OF VS: 7250**

**PERCENTAGE OF VS: 1.05501e-05**

**SOLUTION TIME: 0.375215**

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**RESULT OF HEURISTICSOLVESSAT - MAXCLAUSE - 1.85051e-08**

**NUM OF UCP: 22197**

**NUM OF PVE: 0**

**NUM OF VS: 10945**

**PERCENTAGE OF VS: 1.59271e-05**

**SOLUTION TIME: 0.616638**

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**FILE [er1.ssat] READ SUCCESSFULLY**

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**RESULT OF NAIVESOLVESSAT: 0.00152164**

**NUM OF UCP: 0**

**NUM OF PVE: 0**

**NUM OF VS: 14059535**

**PERCENTAGE OF VS: 0.0204593**

**SOLUTION TIME: 439.514**

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**RESULT OF UCPSOLVESSAT: 0.00152164**

**NUM OF UCP: 218372**

**NUM OF PVE: 0**

**NUM OF VS: 97730**

**PERCENTAGE OF VS: 0.000142216**

**SOLUTION TIME: 4.72064**

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**RESULT OF PVESOLVESSAT: 0.00152164**

**NUM OF UCP: 0**

**NUM OF PVE: 4130**

**NUM OF VS: 7194508**

**PERCENTAGE OF VS: 0.0104694**

**SOLUTION TIME: 308.161**

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**RESULT OF SOLVESSAT (BOTH UCP & PVE): 0.00152164**

**NUM OF UCP: 98117**

**NUM OF PVE: 1751**

**NUM OF VS: 43498**

**PERCENTAGE OF VS: 6.32979e-05**

**SOLUTION TIME: 2.403**

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**RESULT OF HEURISTICSOLVESSAT - RANDOMVAR - 0.00152164**

**NUM OF UCP: 95891**

**NUM OF PVE: 1197**

**NUM OF VS: 43210**

**PERCENTAGE OF VS: 6.28788e-05**

**SOLUTION TIME: 2.39821**

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**RESULT OF HEURISTICSOLVESSAT - MAXVAR - 0.00152164**

**NUM OF UCP: 18487**

**NUM OF PVE: 764**

**NUM OF VS: 8528**

**PERCENTAGE OF VS: 1.24099e-05**

**SOLUTION TIME: 0.501482**

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**RESULT OF HEURISTICSOLVESSAT - MINCLAUSE - 0.00152164**

**NUM OF UCP: 58020**

**NUM OF PVE: 999**

**NUM OF VS: 28617**

**PERCENTAGE OF VS: 4.16432e-05**

**SOLUTION TIME: 1.53767**

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**RESULT OF HEURISTICSOLVESSAT - MAXCLAUSE - 0.00152164**

**NUM OF UCP: 83871**

**NUM OF PVE: 1790**

**NUM OF VS: 36780**

**PERCENTAGE OF VS: 5.35219e-05**

**SOLUTION TIME: 2.10045**

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**FILE [er2.ssat] READ SUCCESSFULLY**

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**RESULT OF NAIVESOLVESSAT: 0.0657123**

**NUM OF UCP: 0**

**NUM OF PVE: 0**

**NUM OF VS: 10970712**

**PERCENTAGE OF VS: 0.0159645**

**SOLUTION TIME: 232.314**

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**RESULT OF UCPSOLVESSAT: 0.0657123**

**NUM OF UCP: 235490**

**NUM OF PVE: 0**

**NUM OF VS: 182683**

**PERCENTAGE OF VS: 0.000265839**

**SOLUTION TIME: 4.93637**

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**RESULT OF PVESOLVESSAT: 0.0657123**

**NUM OF UCP: 0**

**NUM OF PVE: 3404**

**NUM OF VS: 8359073**

**PERCENTAGE OF VS: 0.0121641**

**SOLUTION TIME: 237.026**

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**RESULT OF SOLVESSAT (BOTH UCP & PVE): 0.0657123**

**NUM OF UCP: 53669**

**NUM OF PVE: 1168**

**NUM OF VS: 41901**

**PERCENTAGE OF VS: 6.0974e-05**

**SOLUTION TIME: 1.32726**

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**RESULT OF HEURISTICSOLVESSAT - RANDOMVAR - 0.0657123**

**NUM OF UCP: 89985**

**NUM OF PVE: 1759**

**NUM OF VS: 63457**

**PERCENTAGE OF VS: 9.23421e-05**

**SOLUTION TIME: 2.40183**

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**RESULT OF HEURISTICSOLVESSAT - MAXVAR - 0.0657123**

**NUM OF UCP: 17396**

**NUM OF PVE: 839**

**NUM OF VS: 13417**

**PERCENTAGE OF VS: 1.95243e-05**

**SOLUTION TIME: 0.484356**

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**RESULT OF HEURISTICSOLVESSAT - MINCLAUSE - 0.0657123**

**NUM OF UCP: 21343**

**NUM OF PVE: 1118**

**NUM OF VS: 18794**

**PERCENTAGE OF VS: 2.73489e-05**

**SOLUTION TIME: 0.65514**

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**RESULT OF HEURISTICSOLVESSAT - MAXCLAUSE - 0.0657123**

**NUM OF UCP: 48803**

**NUM OF PVE: 1162**

**NUM OF VS: 34312**

**PERCENTAGE OF VS: 4.99305e-05**

**SOLUTION TIME: 1.18977**

**====================================================================**

**FILE [er3.ssat] READ SUCCESSFULLY**

**====================================================================**

**;/.^[[D^[[B^[[A^[[ARESULT OF NAIVESOLVESSAT: 0.0414518**

**NUM OF UCP: 0**

**NUM OF PVE: 0**

**NUM OF VS: 21356119**

**PERCENTAGE OF VS: 0.0310772**

**SOLUTION TIME: 564.46**

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**RESULT OF UCPSOLVESSAT: 0.0414518**

**NUM OF UCP: 636728**

**NUM OF PVE: 0**

**NUM OF VS: 455620**

**PERCENTAGE OF VS: 0.000663014**

**SOLUTION TIME: 14.8623**

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**====================================================================**

**RESULT OF PVESOLVESSAT: 0.0414518**

**NUM OF UCP: 0**

**NUM OF PVE: 7456**

**NUM OF VS: 18095192**

**PERCENTAGE OF VS: 0.026332**

**SOLUTION TIME: 615.096**

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**RESULT OF SOLVESSAT (BOTH UCP & PVE): 0.0414518**

**NUM OF UCP: 403774**

**NUM OF PVE: 2509**

**NUM OF VS: 287584**

**PERCENTAGE OF VS: 0.00041849**

**SOLUTION TIME: 10.8278**

**====================================================================**

**====================================================================**

**RESULT OF HEURISTICSOLVESSAT - RANDOMVAR - 0.0414518**

**NUM OF UCP: 344971**

**NUM OF PVE: 2133**

**NUM OF VS: 228295**

**PERCENTAGE OF VS: 0.000332213**

**SOLUTION TIME: 9.43941**

**====================================================================**

**====================================================================**

**RESULT OF HEURISTICSOLVESSAT - MAXVAR - 0.0414518**

**NUM OF UCP: 42154**

**NUM OF PVE: 684**

**NUM OF VS: 30074**

**PERCENTAGE OF VS: 4.37634e-05**

**SOLUTION TIME: 1.20609**

**====================================================================**

**====================================================================**

**RESULT OF HEURISTICSOLVESSAT - MINCLAUSE - 0.0414518**

**NUM OF UCP: 141829**

**NUM OF PVE: 1942**

**NUM OF VS: 116362**

**PERCENTAGE OF VS: 0.000169329**

**SOLUTION TIME: 4.62787**

**====================================================================**

**====================================================================**

**RESULT OF HEURISTICSOLVESSAT - MAXCLAUSE - 0.0414518**

**NUM OF UCP: 378757**

**NUM OF PVE: 1890**

**NUM OF VS: 256718**

**PERCENTAGE OF VS: 0.000373574**

**SOLUTION TIME: 10.2042**

**====================================================================**

**FILE [re1.ssat] READ SUCCESSFULLY**

**====================================================================**

**RESULT OF NAIVESOLVESSAT: 0.365757**

**NUM OF UCP: 0**

**NUM OF PVE: 0**

**NUM OF VS: 55331247**

**PERCENTAGE OF VS: 0.0805176**

**SOLUTION TIME: 1349.36**

**====================================================================**

**====================================================================**

**RESULT OF UCPSOLVESSAT: 0.365757**

**NUM OF UCP: 1019219**

**NUM OF PVE: 0**

**NUM OF VS: 659639**

**PERCENTAGE OF VS: 0.000959901**

**SOLUTION TIME: 22.4617**

**====================================================================**

**====================================================================**

**RESULT OF PVESOLVESSAT: 0.365757**

**NUM OF UCP: 0**

**NUM OF PVE: 1056678**

**NUM OF VS: 863206**

**PERCENTAGE OF VS: 0.00125613**

**SOLUTION TIME: 57.2245**

**====================================================================**

**====================================================================**

**RESULT OF SOLVESSAT (BOTH UCP & PVE): 0.365757**

**NUM OF UCP: 50670**

**NUM OF PVE: 53899**

**NUM OF VS: 19011**

**PERCENTAGE OF VS: 2.76646e-05**

**SOLUTION TIME: 2.81443**

**====================================================================**

**====================================================================**

**RESULT OF HEURISTICSOLVESSAT - RANDOMVAR - 0.365757**

**NUM OF UCP: 60318**

**NUM OF PVE: 61980**

**NUM OF VS: 21823**

**PERCENTAGE OF VS: 3.17566e-05**

**SOLUTION TIME: 3.65091**

**====================================================================**

**====================================================================**

**RESULT OF HEURISTICSOLVESSAT - MAXVAR - 0.365757**

**NUM OF UCP: 25690**

**NUM OF PVE: 27237**

**NUM OF VS: 9408**

**PERCENTAGE OF VS: 1.36904e-05**

**SOLUTION TIME: 1.42024**

**====================================================================**

**====================================================================**

**RESULT OF HEURISTICSOLVESSAT - MINCLAUSE - 0.365757**

**NUM OF UCP: 34820**

**NUM OF PVE: 37566**

**NUM OF VS: 13630**

**PERCENTAGE OF VS: 1.98343e-05**

**SOLUTION TIME: 1.97955**

**====================================================================**

**====================================================================**

**RESULT OF HEURISTICSOLVESSAT - MAXCLAUSE - 0.365757**

**NUM OF UCP: 52182**

**NUM OF PVE: 52862**

**NUM OF VS: 20140**

**PERCENTAGE OF VS: 2.93076e-05**

**SOLUTION TIME: 2.87562**

**====================================================================**

**FILE [re2.ssat] READ SUCCESSFULLY**

**====================================================================**

**RESULT OF NAIVESOLVESSAT: 0.0430502**

**NUM OF UCP: 0**

**NUM OF PVE: 0**

**NUM OF VS: 46667661**

**PERCENTAGE OF VS: 0.0679104**

**SOLUTION TIME: 1159.09**

**====================================================================**

**====================================================================**

**RESULT OF UCPSOLVESSAT: 0.0430502**

**NUM OF UCP: 1017432**

**NUM OF PVE: 0**

**NUM OF VS: 699865**

**PERCENTAGE OF VS: 0.00101844**

**SOLUTION TIME: 23.4907**

**====================================================================**

**====================================================================**

**RESULT OF PVESOLVESSAT: 0.0430502**

**NUM OF UCP: 0**

**NUM OF PVE: 1023527**

**NUM OF VS: 609554**

**PERCENTAGE OF VS: 0.000887018**

**SOLUTION TIME: 54.1864**

**====================================================================**

**====================================================================**

**RESULT OF SOLVESSAT (BOTH UCP & PVE): 0.0430502**

**NUM OF UCP: 54283**

**NUM OF PVE: 44863**

**NUM OF VS: 17422**

**PERCENTAGE OF VS: 2.53523e-05**

**SOLUTION TIME: 3.06198**

**====================================================================**

**====================================================================**

**RESULT OF HEURISTICSOLVESSAT - RANDOMVAR - 0.0430502**

**NUM OF UCP: 95854**

**NUM OF PVE: 71268**

**NUM OF VS: 31263**

**PERCENTAGE OF VS: 4.54937e-05**

**SOLUTION TIME: 5.30701**

**====================================================================**

**====================================================================**

**RESULT OF HEURISTICSOLVESSAT - MAXVAR - 0.0430502**

**NUM OF UCP: 17477**

**NUM OF PVE: 15702**

**NUM OF VS: 6572**

**PERCENTAGE OF VS: 9.56352e-06**

**SOLUTION TIME: 0.924124**

**====================================================================**

**====================================================================**

**RESULT OF HEURISTICSOLVESSAT - MINCLAUSE - 0.0430502**

**NUM OF UCP: 22094**

**NUM OF PVE: 25591**

**NUM OF VS: 9374**

**PERCENTAGE OF VS: 1.3641e-05**

**SOLUTION TIME: 1.48515**

**====================================================================**

**====================================================================**

**RESULT OF HEURISTICSOLVESSAT - MAXCLAUSE - 0.0430502**

**NUM OF UCP: 52851**

**NUM OF PVE: 41600**

**NUM OF VS: 15538**

**PERCENTAGE OF VS: 2.26108e-05**

**SOLUTION TIME: 2.92176**

**====================================================================**

**FILE [re3.ssat] READ SUCCESSFULLY**

**====================================================================**

**RESULT OF NAIVESOLVESSAT: 0.32489**

**NUM OF UCP: 0**

**NUM OF PVE: 0**

**NUM OF VS: 26723782**

**PERCENTAGE OF VS: 0.0388882**

**SOLUTION TIME: 678.614**

**====================================================================**

**====================================================================**

**RESULT OF UCPSOLVESSAT: 0.32489**

**NUM OF UCP: 1307337**

**NUM OF PVE: 0**

**NUM OF VS: 726939**

**PERCENTAGE OF VS: 0.00105784**

**SOLUTION TIME: 28.1224**

**====================================================================**

**====================================================================**

**RESULT OF PVESOLVESSAT: 0.32489**

**NUM OF UCP: 0**

**NUM OF PVE: 2283171**

**NUM OF VS: 1473033**

**PERCENTAGE OF VS: 0.00214355**

**SOLUTION TIME: 121.379**

**====================================================================**

**====================================================================**

**RESULT OF SOLVESSAT (BOTH UCP & PVE): 0.32489**

**NUM OF UCP: 123254**

**NUM OF PVE: 95010**

**NUM OF VS: 48664**

**PERCENTAGE OF VS: 7.08154e-05**

**SOLUTION TIME: 5.91382**

**====================================================================**

**====================================================================**

**RESULT OF HEURISTICSOLVESSAT - RANDOMVAR - 0.32489**

**NUM OF UCP: 125261**

**NUM OF PVE: 79513**

**NUM OF VS: 46655**

**PERCENTAGE OF VS: 6.7892e-05**

**SOLUTION TIME: 5.50149**

**====================================================================**

**====================================================================**

**RESULT OF HEURISTICSOLVESSAT - MAXVAR - 0.32489**

**NUM OF UCP: 60703**

**NUM OF PVE: 38908**

**NUM OF VS: 22994**

**PERCENTAGE OF VS: 3.34607e-05**

**SOLUTION TIME: 2.38136**

**====================================================================**

**====================================================================**

**RESULT OF HEURISTICSOLVESSAT - MINCLAUSE - 0.32489**

**NUM OF UCP: 67888**

**NUM OF PVE: 55057**

**NUM OF VS: 30313**

**PERCENTAGE OF VS: 4.41112e-05**

**SOLUTION TIME: 3.31706**

**====================================================================**

**====================================================================**

**RESULT OF HEURISTICSOLVESSAT - MAXCLAUSE - 0.32489**

**NUM OF UCP: 158813**

**NUM OF PVE: 104814**

**NUM OF VS: 59898**

**PERCENTAGE OF VS: 8.71631e-05**

**SOLUTION TIME: 6.96639**

**====================================================================**

**FILE [erer1.ssat] READ SUCCESSFULLY**

**====================================================================**

**RESULT OF NAIVESOLVESSAT: 0.0121399**

**NUM OF UCP: 0**

**NUM OF PVE: 0**

**NUM OF VS: 10946465**

**PERCENTAGE OF VS: 0.0159292**

**SOLUTION TIME: 307.688**

**====================================================================**

**====================================================================**

**RESULT OF UCPSOLVESSAT: 0.0121399**

**NUM OF UCP: 565340**

**NUM OF PVE: 0**

**NUM OF VS: 336404**

**PERCENTAGE OF VS: 0.000489532**

**SOLUTION TIME: 14.7961**

**====================================================================**

**====================================================================**

**RESULT OF PVESOLVESSAT: 0.0121399**

**NUM OF UCP: 0**

**NUM OF PVE: 575869**

**NUM OF VS: 4209281**

**PERCENTAGE OF VS: 0.00612531**

**SOLUTION TIME: 193.552**

**====================================================================**

**====================================================================**

**RESULT OF SOLVESSAT (BOTH UCP & PVE): 0.0121399**

**NUM OF UCP: 226691**

**NUM OF PVE: 31895**

**NUM OF VS: 111176**

**PERCENTAGE OF VS: 0.000161782**

**SOLUTION TIME: 7.71019**

**====================================================================**

**====================================================================**

**RESULT OF HEURISTICSOLVESSAT - RANDOMVAR - 0.0121399**

**NUM OF UCP: 236254**

**NUM OF PVE: 29648**

**NUM OF VS: 111391**

**PERCENTAGE OF VS: 0.000162095**

**SOLUTION TIME: 7.56704**

**====================================================================**

**====================================================================**

**RESULT OF HEURISTICSOLVESSAT - MAXVAR - 0.0121399**

**NUM OF UCP: 144849**

**NUM OF PVE: 23889**

**NUM OF VS: 70916**

**PERCENTAGE OF VS: 0.000103196**

**SOLUTION TIME: 4.80762**

**====================================================================**

**====================================================================**

**RESULT OF HEURISTICSOLVESSAT - MINCLAUSE - 0.0121399**

**NUM OF UCP: 157816**

**NUM OF PVE: 26008**

**NUM OF VS: 84054**

**PERCENTAGE OF VS: 0.000122315**

**SOLUTION TIME: 5.6563**

**====================================================================**

**====================================================================**

**RESULT OF HEURISTICSOLVESSAT - MAXCLAUSE - 0.0121399**

**NUM OF UCP: 229265**

**NUM OF PVE: 29264**

**NUM OF VS: 109403**

**PERCENTAGE OF VS: 0.000159202**

**SOLUTION TIME: 7.56651**

**====================================================================**

**FILE [erer2.ssat] READ SUCCESSFULLY**

**====================================================================**

**RESULT OF NAIVESOLVESSAT: 0.00720722**

**NUM OF UCP: 0**

**NUM OF PVE: 0**

**NUM OF VS: 7902204**

**PERCENTAGE OF VS: 0.0114992**

**SOLUTION TIME: 165.535**

**====================================================================**

**====================================================================**

**RESULT OF UCPSOLVESSAT: 0.00720722**

**NUM OF UCP: 381745**

**NUM OF PVE: 0**

**NUM OF VS: 293045**

**PERCENTAGE OF VS: 0.000426437**

**SOLUTION TIME: 8.91265**

**====================================================================**

**====================================================================**

**RESULT OF PVESOLVESSAT: 0.00720722**

**NUM OF UCP: 0**

**NUM OF PVE: 73958**

**NUM OF VS: 860836**

**PERCENTAGE OF VS: 0.00125268**

**SOLUTION TIME: 30.3747**

**====================================================================**

**====================================================================**

**RESULT OF SOLVESSAT (BOTH UCP & PVE): 0.00720722**

**NUM OF UCP: 62669**

**NUM OF PVE: 14252**

**NUM OF VS: 34836**

**PERCENTAGE OF VS: 5.06931e-05**

**SOLUTION TIME: 2.1967**

**====================================================================**

**====================================================================**

**RESULT OF HEURISTICSOLVESSAT - RANDOMVAR - 0.00720722**

**NUM OF UCP: 53603**

**NUM OF PVE: 11457**

**NUM OF VS: 32344**

**PERCENTAGE OF VS: 4.70667e-05**

**SOLUTION TIME: 1.93359**

**====================================================================**

**====================================================================**

**RESULT OF HEURISTICSOLVESSAT - MAXVAR - 0.00720722**

**NUM OF UCP: 33542**

**NUM OF PVE: 7620**

**NUM OF VS: 18603**

**PERCENTAGE OF VS: 2.70709e-05**

**SOLUTION TIME: 1.23826**

**====================================================================**

**====================================================================**

**RESULT OF HEURISTICSOLVESSAT - MINCLAUSE - 0.00720722**

**NUM OF UCP: 41546**

**NUM OF PVE: 9497**

**NUM OF VS: 24388**

**PERCENTAGE OF VS: 3.54892e-05**

**SOLUTION TIME: 1.56346**

**====================================================================**

**====================================================================**

**RESULT OF HEURISTICSOLVESSAT - MAXCLAUSE - 0.00720722**

**NUM OF UCP: 60714**

**NUM OF PVE: 12745**

**NUM OF VS: 33641**

**PERCENTAGE OF VS: 4.89541e-05**

**SOLUTION TIME: 2.15058**

**====================================================================**

**FILE [erer3.ssat] READ SUCCESSFULLY**

**====================================================================**

**RESULT OF NAIVESOLVESSAT: 0.0010783**

**NUM OF UCP: 0**

**NUM OF PVE: 0**

**NUM OF VS: 2388545**

**PERCENTAGE OF VS: 0.00347579**

**SOLUTION TIME: 54.4689**

**====================================================================**

**====================================================================**

**RESULT OF UCPSOLVESSAT: 0.0010783**

**NUM OF UCP: 58859**

**NUM OF PVE: 0**

**NUM OF VS: 36756**

**PERCENTAGE OF VS: 5.3487e-05**

**SOLUTION TIME: 1.3172**

**====================================================================**

**====================================================================**

**RESULT OF PVESOLVESSAT: 0.0010783**

**NUM OF UCP: 0**

**NUM OF PVE: 52416**

**NUM OF VS: 440743**

**PERCENTAGE OF VS: 0.000641365**

**SOLUTION TIME: 17.2941**

**====================================================================**

**====================================================================**

**RESULT OF SOLVESSAT (BOTH UCP & PVE): 0.0010783**

**NUM OF UCP: 15869**

**NUM OF PVE: 989**

**NUM OF VS: 7757**

**PERCENTAGE OF VS: 1.12879e-05**

**SOLUTION TIME: 0.426308**

**====================================================================**

**====================================================================**

**RESULT OF HEURISTICSOLVESSAT - RANDOMVAR - 0.0010783**

**NUM OF UCP: 18157**

**NUM OF PVE: 1172**

**NUM OF VS: 8972**

**PERCENTAGE OF VS: 1.3056e-05**

**SOLUTION TIME: 0.535403**

**====================================================================**

**====================================================================**

**RESULT OF HEURISTICSOLVESSAT - MAXVAR - 0.0010783**

**NUM OF UCP: 8848**

**NUM OF PVE: 738**

**NUM OF VS: 4737**

**PERCENTAGE OF VS: 6.89324e-06**

**SOLUTION TIME: 0.252251**

**====================================================================**

**====================================================================**

**RESULT OF HEURISTICSOLVESSAT - MINCLAUSE - 0.0010783**

**NUM OF UCP: 12091**

**NUM OF PVE: 865**

**NUM OF VS: 6190**

**PERCENTAGE OF VS: 9.00764e-06**

**SOLUTION TIME: 0.350543**

**====================================================================**

**====================================================================**

**RESULT OF HEURISTICSOLVESSAT - MAXCLAUSE - 0.0010783**

**NUM OF UCP: 18828**

**NUM OF PVE: 1222**

**NUM OF VS: 9039**

**PERCENTAGE OF VS: 1.31535e-05**

**SOLUTION TIME: 0.549899**

**====================================================================**

**FILE [rere1.ssat] READ SUCCESSFULLY**

**====================================================================**

**RESULT OF NAIVESOLVESSAT: 0.133631**

**NUM OF UCP: 0**

**NUM OF PVE: 0**

**NUM OF VS: 16708281**

**PERCENTAGE OF VS: 0.0243137**

**SOLUTION TIME: 374.646**

**====================================================================**

**====================================================================**

**RESULT OF UCPSOLVESSAT: 0.133631**

**NUM OF UCP: 1056088**

**NUM OF PVE: 0**

**NUM OF VS: 568409**

**PERCENTAGE OF VS: 0.000827144**

**SOLUTION TIME: 22.2517**

**====================================================================**

**====================================================================**

**RESULT OF PVESOLVESSAT: 0.133631**

**NUM OF UCP: 0**

**NUM OF PVE: 597640**

**NUM OF VS: 812648**

**PERCENTAGE OF VS: 0.00118256**

**SOLUTION TIME: 36.6792**

**====================================================================**

**====================================================================**

**RESULT OF SOLVESSAT (BOTH UCP & PVE): 0.133631**

**NUM OF UCP: 72509**

**NUM OF PVE: 33394**

**NUM OF VS: 28611**

**PERCENTAGE OF VS: 4.16345e-05**

**SOLUTION TIME: 2.46861**

**====================================================================**

**====================================================================**

**RESULT OF HEURISTICSOLVESSAT - RANDOMVAR - 0.133631**

**NUM OF UCP: 48976**

**NUM OF PVE: 25275**

**NUM OF VS: 20587**

**PERCENTAGE OF VS: 2.9958e-05**

**SOLUTION TIME: 1.96566**

**====================================================================**

**====================================================================**

**RESULT OF HEURISTICSOLVESSAT - MAXVAR - 0.133631**

**NUM OF UCP: 22034**

**NUM OF PVE: 12099**

**NUM OF VS: 9216**

**PERCENTAGE OF VS: 1.3411e-05**

**SOLUTION TIME: 0.973429**

**====================================================================**

**====================================================================**

**RESULT OF HEURISTICSOLVESSAT - MINCLAUSE - 0.133631**

**NUM OF UCP: 34320**

**NUM OF PVE: 15927**

**NUM OF VS: 13945**

**PERCENTAGE OF VS: 2.02926e-05**

**SOLUTION TIME: 1.36878**

**====================================================================**

**====================================================================**

**RESULT OF HEURISTICSOLVESSAT - MAXCLAUSE - 0.133631**

**NUM OF UCP: 57679**

**NUM OF PVE: 25162**

**NUM OF VS: 22773**

**PERCENTAGE OF VS: 3.31391e-05**

**SOLUTION TIME: 2.09083**

**====================================================================**

**FILE [rere2.ssat] READ SUCCESSFULLY**

**====================================================================**

**RESULT OF NAIVESOLVESSAT: 0.0362197**

**NUM OF UCP: 0**

**NUM OF PVE: 0**

**NUM OF VS: 21560199**

**PERCENTAGE OF VS: 0.0313742**

**SOLUTION TIME: 436.781**

**====================================================================**

**====================================================================**

**RESULT OF UCPSOLVESSAT: 0.0362197**

**NUM OF UCP: 1014650**

**NUM OF PVE: 0**

**NUM OF VS: 728864**

**PERCENTAGE OF VS: 0.00106064**

**SOLUTION TIME: 23.7836**

**====================================================================**

**====================================================================**

**RESULT OF PVESOLVESSAT: 0.0362197**

**NUM OF UCP: 0**

**NUM OF PVE: 1086135**

**NUM OF VS: 1589870**

**PERCENTAGE OF VS: 0.00231357**

**SOLUTION TIME: 68.8354**

**====================================================================**

**====================================================================**

**RESULT OF SOLVESSAT (BOTH UCP & PVE): 0.0362197**

**NUM OF UCP: 43888**

**NUM OF PVE: 22676**

**NUM OF VS: 23494**

**PERCENTAGE OF VS: 3.41883e-05**

**SOLUTION TIME: 1.69514**

**====================================================================**

**====================================================================**

**RESULT OF HEURISTICSOLVESSAT - RANDOMVAR - 0.0362197**

**NUM OF UCP: 49610**

**NUM OF PVE: 25005**

**NUM OF VS: 26628**

**PERCENTAGE OF VS: 3.87488e-05**

**SOLUTION TIME: 1.93722**

**====================================================================**

**====================================================================**

**RESULT OF HEURISTICSOLVESSAT - MAXVAR - 0.0362197**

**NUM OF UCP: 15502**

**NUM OF PVE: 10273**

**NUM OF VS: 8519**

**PERCENTAGE OF VS: 1.23968e-05**

**SOLUTION TIME: 0.739562**

**====================================================================**

**====================================================================**

**RESULT OF HEURISTICSOLVESSAT - MINCLAUSE - 0.0362197**

**NUM OF UCP: 26906**

**NUM OF PVE: 14911**

**NUM OF VS: 14659**

**PERCENTAGE OF VS: 2.13317e-05**

**SOLUTION TIME: 1.16187**

**====================================================================**

**====================================================================**

**RESULT OF HEURISTICSOLVESSAT - MAXCLAUSE - 0.0362197**

**NUM OF UCP: 36870**

**NUM OF PVE: 17314**

**NUM OF VS: 20458**

**PERCENTAGE OF VS: 2.97703e-05**

**SOLUTION TIME: 1.42063**

**====================================================================**

**FILE [rere3.ssat] READ SUCCESSFULLY**

**====================================================================**

**RESULT OF NAIVESOLVESSAT: 0.0505555**

**NUM OF UCP: 0**

**NUM OF PVE: 0**

**NUM OF VS: 18116708**

**PERCENTAGE OF VS: 0.0263633**

**SOLUTION TIME: 453.111**

**====================================================================**

**====================================================================**

**RESULT OF UCPSOLVESSAT: 0.0505555**

**NUM OF UCP: 55394**

**NUM OF PVE: 0**

**NUM OF VS: 35239**

**PERCENTAGE OF VS: 5.12795e-05**

**SOLUTION TIME: 1.30693**

**====================================================================**

**====================================================================**

**RESULT OF PVESOLVESSAT: 0.0505555**

**NUM OF UCP: 0**

**NUM OF PVE: 721711**

**NUM OF VS: 3316389**

**PERCENTAGE OF VS: 0.00482598**

**SOLUTION TIME: 119.783**

**====================================================================**

**====================================================================**

**RESULT OF SOLVESSAT (BOTH UCP & PVE): 0.0505555**

**NUM OF UCP: 8573**

**NUM OF PVE: 3770**

**NUM OF VS: 3567**

**PERCENTAGE OF VS: 5.19067e-06**

**SOLUTION TIME: 0.403941**

**====================================================================**

**====================================================================**

**RESULT OF HEURISTICSOLVESSAT - RANDOMVAR - 0.0505555**

**NUM OF UCP: 7047**

**NUM OF PVE: 3656**

**NUM OF VS: 3139**

**PERCENTAGE OF VS: 4.56785e-06**

**SOLUTION TIME: 0.350324**

**====================================================================**

**====================================================================**

**RESULT OF HEURISTICSOLVESSAT - MAXVAR - 0.0505555**

**NUM OF UCP: 5868**

**NUM OF PVE: 2780**

**NUM OF VS: 2315**

**PERCENTAGE OF VS: 3.36877e-06**

**SOLUTION TIME: 0.297855**

**====================================================================**

**====================================================================**

**RESULT OF HEURISTICSOLVESSAT - MINCLAUSE - 0.0505555**

**NUM OF UCP: 6671**

**NUM OF PVE: 3324**

**NUM OF VS: 2935**

**PERCENTAGE OF VS: 4.27099e-06**

**SOLUTION TIME: 0.339451**

**====================================================================**

**====================================================================**

**RESULT OF HEURISTICSOLVESSAT - MAXCLAUSE - 0.0505555**

**NUM OF UCP: 9026**

**NUM OF PVE: 3850**

**NUM OF VS: 3766**

**PERCENTAGE OF VS: 5.48025e-06**

**SOLUTION TIME: 0.406385**

**====================================================================**