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|  | 1)  Running Assignment5.mzn | 2s 474msec |

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| Total point = -6  Grid = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1]  Points = [-5, -5, -3, 5, 5, -3, -3, -3, 3, 3]  ----------  Total point = 4  Grid = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 1, 1, 0, 1, 1, 1, 1, 1, 1, 1, 1, 1]  Points = [-5, -5, 3, 4, 5, -4, -3, 3, 3, 3]  ----------  Total point = 9  Grid = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 1, 1, 1, 0, 1, 1, 1, 1, 0, 1, 1, 1, 1]  Points = [-5, -5, 4, 4, 4, -5, 3, 3, 3, 3]  ----------  Total point = 14  Grid = [0, 0, 0, 0, 0, 0, 0, 1, 1, 1, 0, 1, 0, 1, 1, 0, 1, 1, 0, 1, 0, 1, 1, 1, 0]  Points = [-5, 3, 3, 3, 3, -5, 3, 3, 3, 3]  ----------  ==========  Finished in 2s 474msec.  2) |

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|  | Running Assignment5.mzn | 1s 24msec |

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| Total point = 31  Grid = [0, 0, 0, 0, 0, 0, 0, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1]  Points = [-5, 3, 5, 5, 5, 3, 3, 4, 4, 4]  ----------  Total point = 36  Grid = [0, 0, 1, 1, 1, 0, 0, 1, 1, 1, 1, 1, 0, 0, 1, 1, 1, 0, 1, 1, 1, 1, 1, 1, 1]  Points = [3, 3, 3, 4, 5, 3, 3, 3, 4, 5]  ----------  ==========  Finished in 1s 24msec.  3) |

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|  | Running Assignment5.mzn | 3s 741msec |

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| Total point = 37  Grid = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1]  Points = [-7, -7, -6, 7, 7, 7, 7, 4, 4, 4, 4, 4, 4, 5]  ----------  Total point = 44  Grid = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 1, 1, 1, 1, 1, 1, 0, 0, 0, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1]  Points = [-7, -7, 4, 4, 7, 7, 7, 4, 4, 4, 4, 4, 4, 5]  ----------  Total point = 51  Grid = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 1, 1, 1, 0, 0, 0, 1, 1, 1, 1, 1, 1, 1, 0, 0, 0, 1, 1, 1, 1, 0, 0, 0, 1, 1, 1, 1, 1, 1, 1, 0, 1, 1, 1, 1, 1, 1, 1]  Points = [-7, 4, 4, 4, 4, 6, 7, 4, 4, 4, 4, 4, 4, 5]  ----------  Total point = 58  Grid = [0, 0, 0, 1, 1, 1, 1, 0, 0, 0, 1, 1, 1, 1, 0, 0, 0, 1, 1, 1, 1, 1, 1, 1, 0, 0, 0, 1, 1, 1, 1, 0, 0, 0, 1, 1, 1, 1, 0, 0, 1, 0, 1, 1, 1, 1, 1, 0, 0]  Points = [4, 4, 4, 4, 4, 4, 5, 4, 4, 4, 4, 4, 4, 5]  ----------  ==========  Finished in 3s 741msec. |

4)

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|  | Running Assignment5.mzn | 799msec |

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| Total point = -50  Grid = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0]  Points = [-5, -5, -5, -5, -5, -5, -5, -5, -5, -5]  ----------  ==========  Finished in 799msec. |

5)

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|  | Running Assignment5.mzn | 772msec |

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| Total point = 50  Grid = [1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1]  Points = [5, 5, 5, 5, 5, 5, 5, 5, 5, 5]  ----------  ==========  Finished in 772msec. |

6)

Total point = 40

Grid = [0, 0, 1, 1, 1, 0, 0, 1, 1, 1, 1, 1, 0, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1]

Points = [3, 3, 4, 5, 5, 3, 3, 4, 5, 5]

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Finished in 827msec.

7)

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|  | Running Assignment5.mzn | 820msec |

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| Total point = -39  Grid = [0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 1, 1]  Points = [-5, -5, -5, -5, 3, -5, -5, -4, -4, -4]  ----------  ==========  Finished in 820msec. |