Electronic Supplementary Material (ESI) for Physical Chemistry Chemical Physics.

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1. Experimental Section

Ethane bromide (99.0%) was purchased from TCI. Tetrahydrofuran (99.5%) was purchased from Amethyst and refluxed for over 24 hours before reaction.

The regents were tranfferred by syringes. The reaction was carried out in a 10ml Schlenk tube. The magnium turnings (1065.5 mg) and copper mesh (4729.0 mg) was folded to fit into the Schlenk tube, and connected to the multimeter (measure range: 0-2mA, precision: ±1 μ A) with iron wire. The vessel was purged 3 time with N_2; 10 ml of THF was injected into the vessel, 0.1ml EtBr was subsequently injected. Both copper mesh and magnesium were reacted without any pre-treatment, no stirring was applied during the reaction process. The electronic current was measured continuously and recorded every 20 seconds.

After 3 hours of reaction, the magnesium turning and copper mesh were washed using ehanol and dried. The weight of copper was essentially unchanged after the reaction (4728.9 mg). 732.5 mg of magnesium was recovered, the weight loss of magnesium was used to estimated the reaction amount. For comparism, no current was observed using copper mesh and zinc sheet as electrodes. Also, no current was observed when the two electrodes were put into two separate reaction tubes.

2. Computational details

2.1. PES scan with customized optimizer

The PES scannings were done at lower theoretical level, with gamma point only k-point mesh and a cutoff energy of 300eV, the wavefunctions were converged to 1×10^{-4}eV, and the max force acting on atoms less than 0.05 eV/A.

The constraint was defined as following, which treats the C-Cl bond as a rigid bond with fixed bond orientation and length. The bond was also constrained to one of the hcp sites in the x-direction (perpendicular to the rotaion plane) to avoid hopping between adjacent sites.

```
import numpy as np

class myBondFix:
    def __init__(self, r, theta):
        self.theta = theta
        self.r = r

    def adjust_positions(self, atoms, newpositions):
        newpositions = fix_bond(atoms, self.r, self.theta, newpositions)

    def adjust_forces(self, atoms, forces):
        cl = np.where(atoms.numbers == 17)[0]
        c_index = np.where(atoms.numbers == 6)[0]
        alpha_c = c_index[np.argmin(atoms.get_distances(c_index, cl))]
        pair = [cl, alpha_c]
        forces[pair, :] = forces[pair, :]+forces[pair[::-1], :]
        forces[pair, 0] = 0

def fix_bond(atoms, i, theta, pos):
    cl = np.where(atoms.numbers == 17)[0]
    h_index = np.where(atoms.numbers == 1)[0]
    c_index = np.where(atoms.numbers == 6)[0]
    index_r = list(h_index)+list(c_index)
    alpha_c = c_index[np.argmin(atoms.get_distances(c_index, cl))]
    pos[cl, 0] = 3.1414999999999999
    a = pos[alpha_c, :] - pos[cl, :]
    z = [0, 0, 1]
    v = -np.cross(a/np.linalg.norm(a), z)
    c = np.dot(a/np.linalg.norm(a), z)
    s = np.linalg.norm(v)
    v=np.transpose(v)
    v_x = [[0, -v[2], v[1]],
           [v[2], 0, -v[0]],
           [-v[1], v[0], 0]]
    v_x = np.array(v_x)
    if s == 0:
        rotate_to_z = np.eye(3)
    else:
        rotate_to_z = np.eye(3) + v_x + np.dot(v_x, v_x) * (1-c)/s**2

    rotate_to_theta = [[1, 0, 0],
                       [0, np.cos(theta), np.sin(theta)],
                       [0, -np.sin(theta), np.cos(theta)]]
    rel_pos = pos[index_r, :] - pos[cl, :]
    rel_pos = np.dot(rel_pos, rotate_to_z)
    rel_pos[:, 2] += (i-np.linalg.norm(pos[alpha_c, :]-pos[cl, :]))
    rel_pos = np.dot(rel_pos, rotate_to_theta)
    pos[index_r, :] = pos[cl, :]+rel_pos
    return pos
```

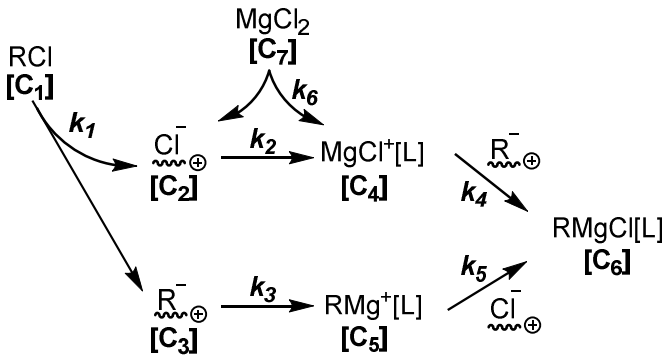
2.2. Wave function convergence

Wave function for structures containing cations are hard to converge with default settings due to bad initial guess. We managed to converge these structures by feeding converged wave function of adsorbed structures to desorbed structures.

2.3. Kinetic Model

The detailed kinetic model is shown in Figure S2. Pit corrosion behavior is modeled by a spherical single pit on a surface, the cationic desorption only happes in the pit region while dissociation can occur in any region. The pit area was set to a very small value (1×10^{-30}, dimensionless) at the beginning and grows as desorption proceeds. The total surface area were choosen (A_0=5, dimensionless) so that the final pit area(A_{pit}≈2, dimensionless) is comparable to the total surface area, changing the total surface area didn't influence the kinetic feature significanty. The model is admittedly very simplified: the same surface concentration was used for kinetics without considering the adsorption/desorption of each species; and the kinetic parameters were cauculated using uncorrected electronic energies. Therefore, the model could only demonstrate the activation process qualitatively.

For the simulation without $MgCl_2$, C_1 was set to 1 (dimensionless); other concentrations were set to zero. For the simulation with $MgCl_2$, C_1 and C_7 were set to 1; other concentrations were set to zero.



$$\frac{dC_1}{dt} = A_{sum}C_1k_1 \quad \textit{(Eq 3-1)}$$

$$\frac{dC_2}{dt} = A_{sum}C_1k_1 - A_{pit}C_2k_2 - A_{sum}C_2C_5k_5 \quad \textit{(Eq 3-2)}$$

$$\frac{dC_3}{dt} = A_{sum}C_1k_1 - A_{pit}C_3k_3 - A_{sum}C_3C_4k_4 \quad \textit{(Eq 3-3)}$$

$$\frac{dC_4}{dt} = A_{pit}C_2k_2 - A_{sum}C_3C_4k_5 \quad \textit{(Eq 3-4)}$$

$$\frac{dC_5}{dt} = A_{pit}C_3k_3 - A_{sum}C_2C_5k_5 \quad \textit{(Eq 3-5)}$$

$$\frac{dC_6}{dt} = A_{sum}C_2C_5k_5 + A_{sum}C_3C_4k_4 \quad \textit{(Eq 3-6)}$$

$$R_{pit} = \left(\frac{3C_4}{2\pi C_{1,0}}\right)^{1/3} \quad \textit{(Eq 3-7)}$$

$$A_{pit} = 2\pi R_{pit}^2 \quad \textit{(Eq 3-8)}$$

$$A_{sum} = 6 + A_{pit} - \pi R_{pit}^2 \quad \textit{(Eq 3-9)}$$

$$k_i = e^{-\frac{E_a}{RT}}, i = 1,2,3,4,5 \quad \textit{(Eq 3-10)}$$

$$E_{a,4} = E_{a,5} = E_{a,6} = 0 \quad \textit{(Eq 3-11)}$$

Figure S1: Simplified kinetic model of GRF.

3. Benchmarking

Important parameters were benchmarked to ensure the convergence of our results. Most results showed our settings sufficient to converge the reaction energies and barrier energies. Though some of the energies still suffer an error of around 1 kcal mol^{-1} with our 3x3x1 k-points mesh, our conclusion is not affected, and our PES scan under gamma point can be justified since only general selectivity pattern is interested.

3.1. K-point mesh

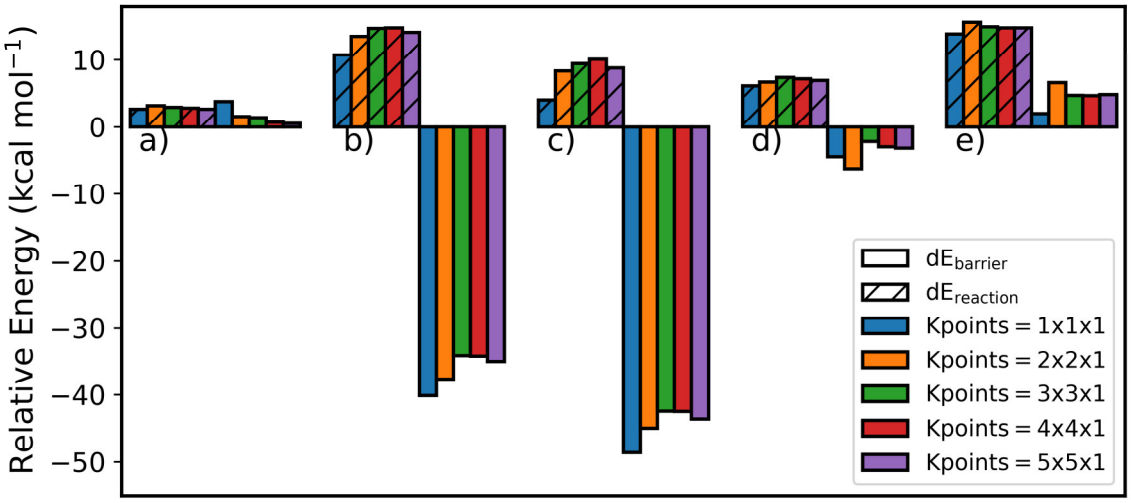


Figure S2: Reaction barriers and energies with different K-point mesh. For a) diffusion of Cl from Methyl group, b) horizontal dissociation of phenyl chloride, c) ionic dissociation of vinyl chloride, d) vertical dissociation of methyl chloride, e) desorption of $MgVi^{+}$.

3.2. Cut-off energy

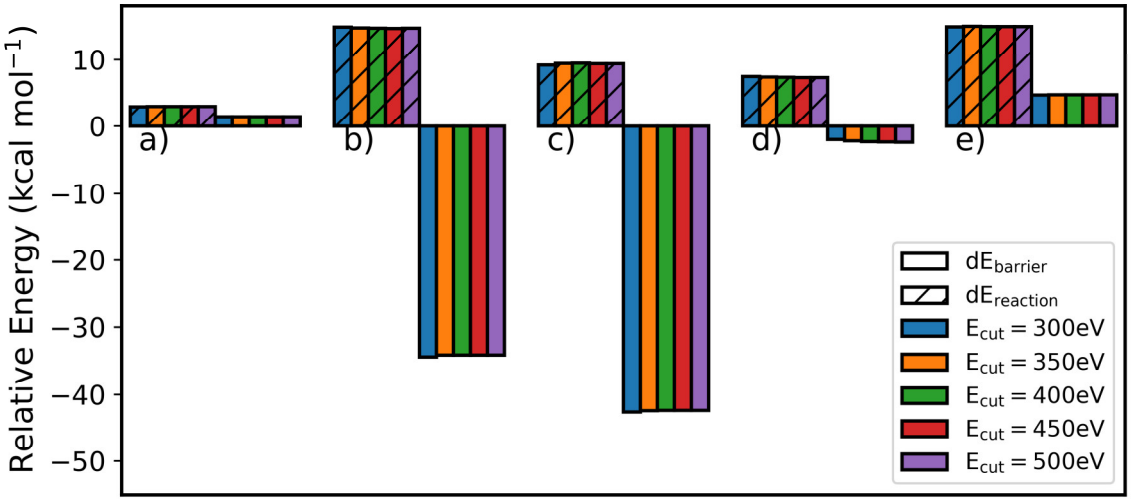


Figure S3: Reaction barriers and energies with different cutoff energy. For a) diffusion of Cl from Methyl group, b) horizontal dissociation of phenyl chloride, c) ionic dissociation of vinyl chloride, d) vertical dissociation of methyl chloride, e) desorption of $MgVi^{+}$.

3.3. Smearing

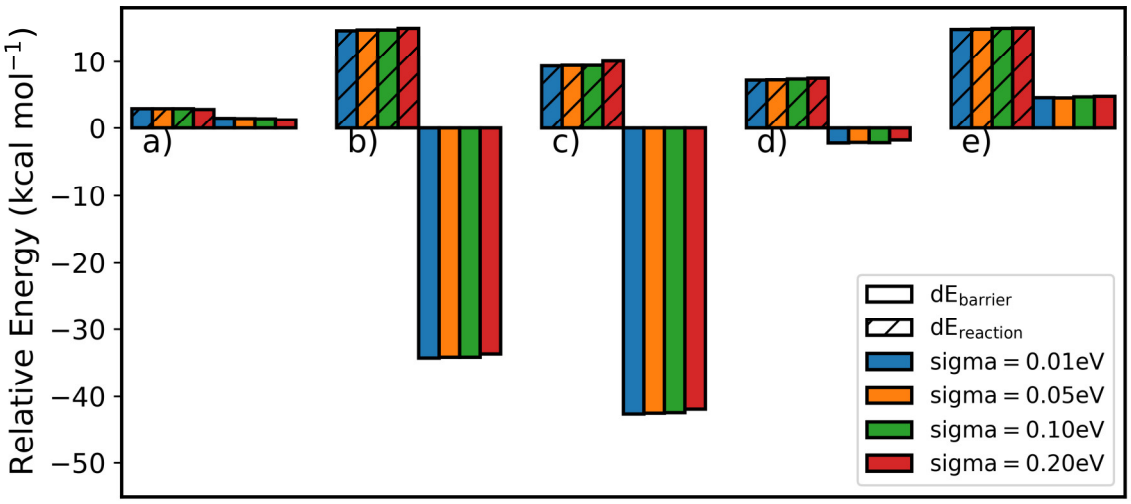


Figure S4: Reaction barriers and energies with different smearing (sigma value). For a) diffusion of Cl from Methyl group, b) horizontal dissociation of phenyl chloride, c) ionic dissociation of vinyl chloride, d) vertical dissociation of methyl chloride, e) desorption of $MgVi^{+}$.

3.4. Vacuum layer size

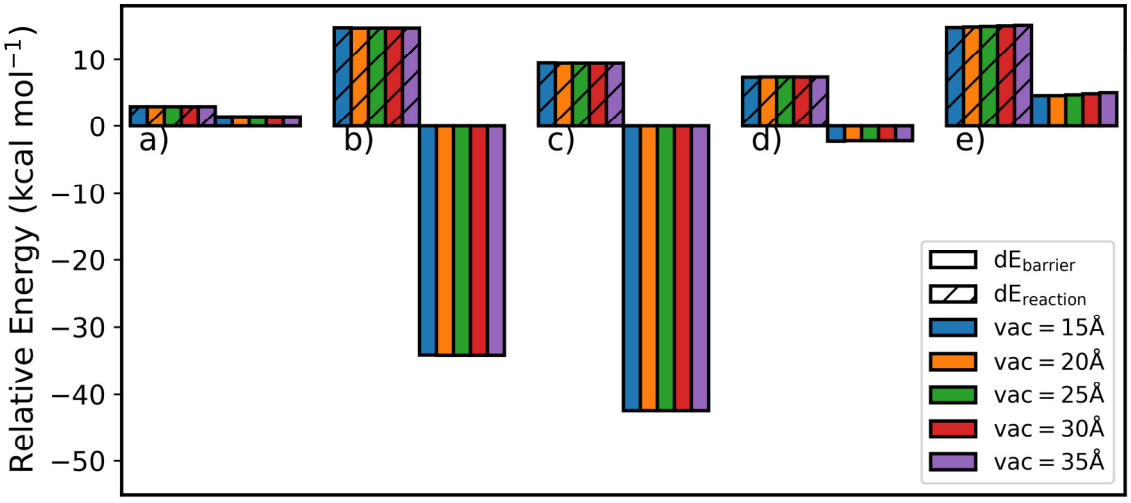


Figure S5: Reaction barriers and energies with different vacuum layer. For a) diffusion of Cl from Methyl group, b) horizontal dissociation of phenyl chloride, c) ionic dissociation of vinyl chloride, d) vertical dissociation of methyl chloride, e) desorption of $MgVi^{+}$.

3.5. Entropy effect

We investigated the contribution of zero-point energy and the free energy correction at 300K, with all degrees of freedom treated harmonically. The contribution to a selected lists the reaction barriers and reaction energy of the key element steps discussed in the article are shown in Table S1.

Table S1: Relative electronic energy and Gibbs free energy of the transition state and product for selected reaction steps (in kcal mol^{-1}).

	$\Delta E^{\ddagger}$	$\Delta G^{\ddagger}$	ΔE	ΔG
Horizontal dissociation of MeCl	10.3	7.5	-40.5	-40.1
Vertical dissociation of MeCl	9.7	6.3	0.2	-6.1
Horizontal dissociation of PhCl	14.7	12.2	-34.1	-35.3
Vertical dissociation of PhCl	18.8	15.6	14.5	9.9
Diffusion of Cl atom from methyl group	2.9	3.3	1.4	0.6
Desorption of $MeMg^{+}$ cation	13.8	13.9	-0.3	-0.9

Generally, the Gibbs free energy barrier or free energy change is lower (by about 2-5 kcal mol^{-1}) for dissociation steps, where new fragment (radical or surface anion) is formed. The relative trend of reaction energy and barriers remains unchanged. Thus, our proposed mechanism is not influenced by the entropy effect.

As in our current version of VASP, the hessian matrix can only be evaluated numerically, calculating the Gibbs free energy for all the structures would take enormous amount of time. Therefore, we chose to use electronic energies for the discussion in the main article.

4. Supplemental data

4.1. Partial charge and DOS plot for vinyl and phenyl chloride

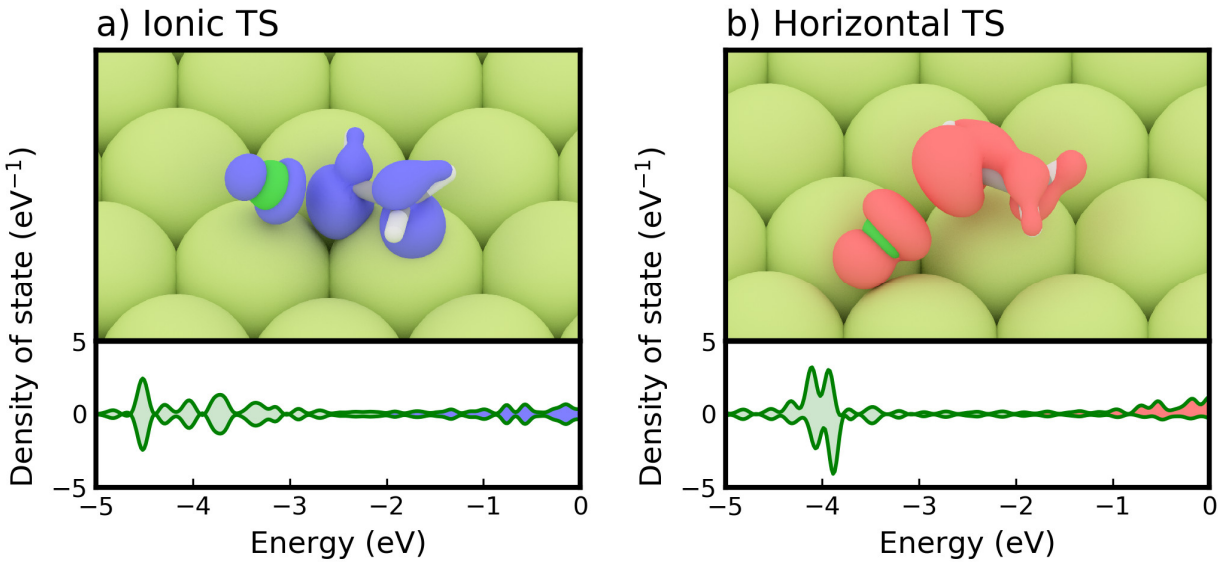


Figure S6: Partial charge density isosurface (0.06 electons Å^{-3}) and decomposed DOS (sum of C, H, Cl) plot of a) ionic and b) horizontal dissociation transition state for VinCl. In both cases, integration for DOS below -2eV gives 18 electrons, which is equal to the valence electrons of VinCl. The shown partial charge density therefore corresponds to the electrons transferred from the surface to VinCl molecule, whose integration equals to 2 for ionic TS and 1 for horizontal TS, respectively.

4.2. Diffusion pathways of surface species

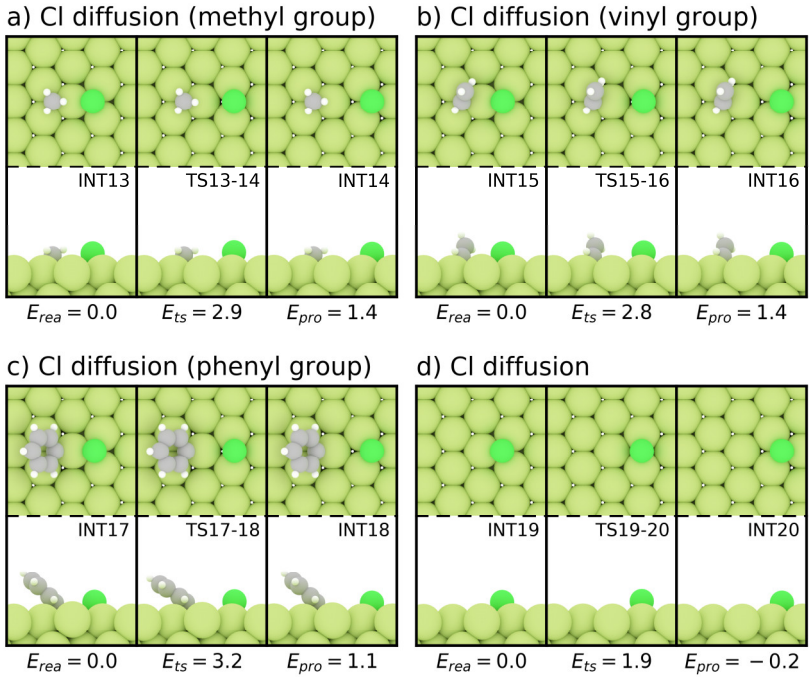


Figure S7: Reaction pathways of Cl diffusion from different anions (or alone) on Mg surface. Energies (kcal mol^{-1}) are relative to reactant species.

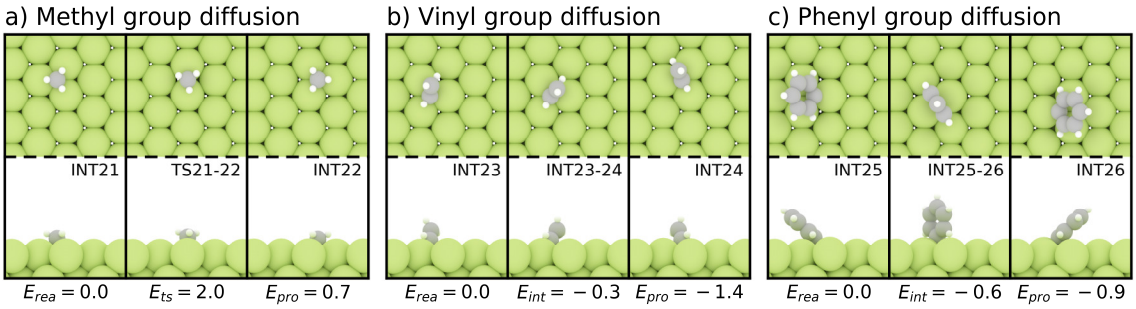


Figure S8: Reaction pathways of anion diffusions on Mg surface. Energies (kcal mol^{-1}) are to reactant species. No transition states were found for vinyl and phenyl group, probably due to too small barrier energy.

4.3. Desorption pathways of surface species

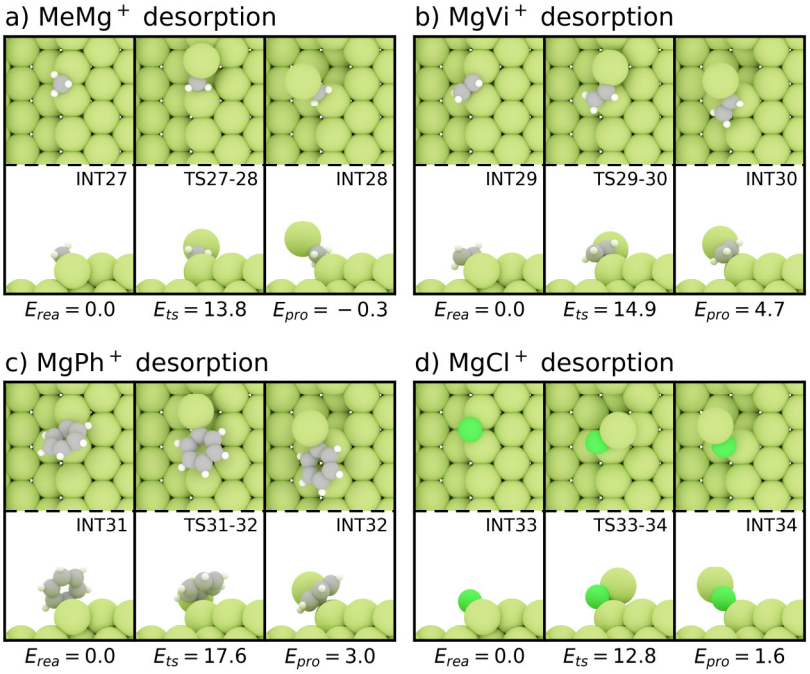


Figure S9: Reaction pathways of cation desorptions from Mg step site. Energies (kcal mol^{-1}) are relative to reactant species.

4.4. Formation pathways

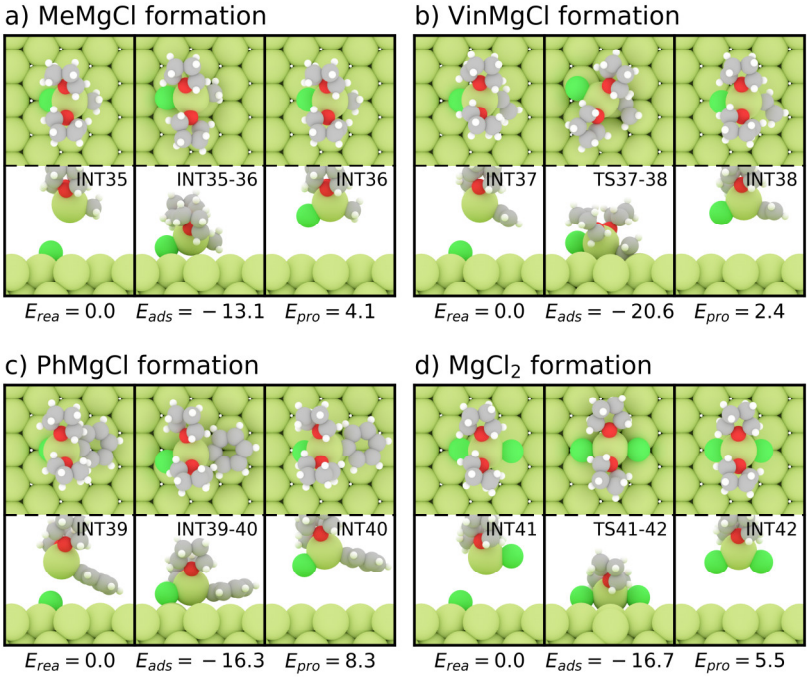


Figure S10: Reaction pathways of for the formation step. Energies (kcal mol^{-1}) are relative to cationic species.

4.5. Flipping of surface benzonorbornadienyl group

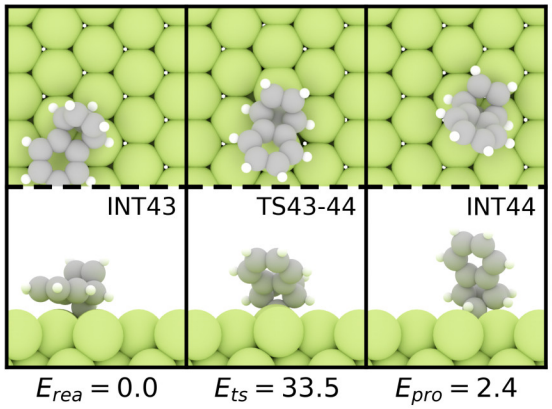


Figure S11: Reaction pathway for flipping of surface benzonorbornadienyl group. Energies (kcal mol^{-1}) are relative energies compared to reactant species.

4.6. Desorption energy plot for different species

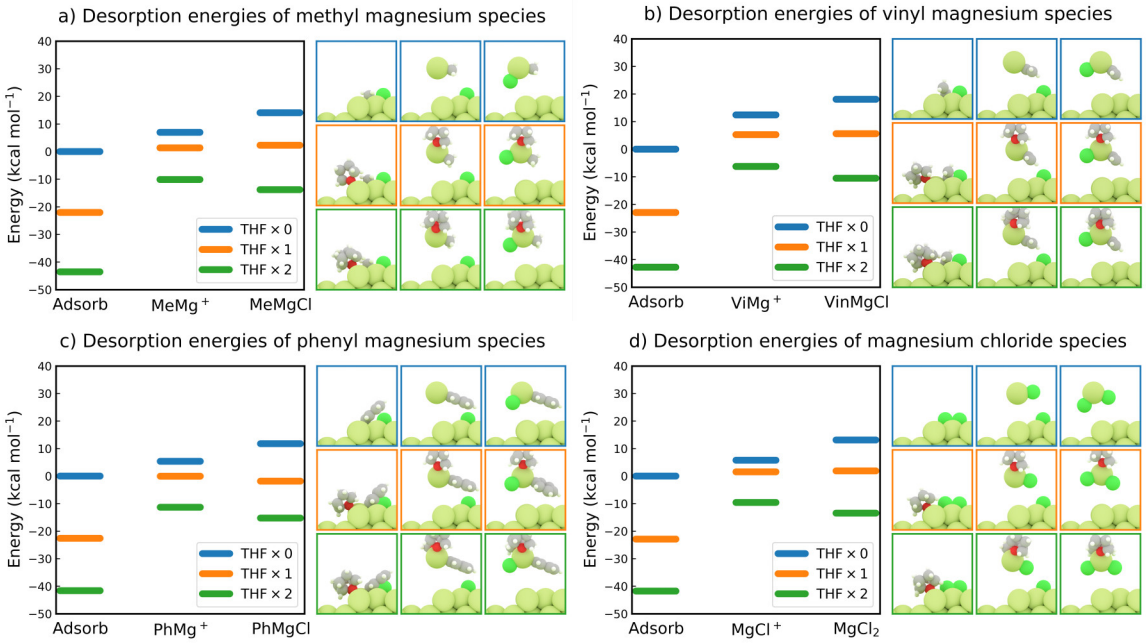


Figure S12: Desorption energy graph of magnesium with different organic group and solvent coordination. Energies (kcal mol^{-1}) are relative to adsorption structure and free THF molecules.

4.7. Influence solvents on reaction pathways.

To investigate the influence of different solvents on the reaction pathways, we revisited selected pathways with diethyl ether (DEE): another commonly used solvent for Grignard reagent formation, and compared them to the results obtained in tetrahydro furan(THF).

For most of the elementary steps we discussed, different solvents do not affect the reaction barriers and enthalpies significantly (Table S2). However, the cation desorption pathway (Figure 6 in manuscript) is not feasible with the diethyl ether solvent.

Table S2: Relative energy with DEE(ε=4.33) and THF(ε=7.58) of the transition state and product for selected reaction steps (in kcal mol^{-1}).

	$\Delta E^{\ddagger}_{THF}$	$\Delta E^{\ddagger}_{DEE}$	ΔE_{THF}	ΔE_{DEE}
Horizontal dissociation of MeCl	10.3	10.2	-40.5	-40.6
Vertical dissociation of MeCl	9.7	9.6	0.2	0.2
Horizontal dissociation of PhCl	14.7	14.7	-34.1	-34.1
Vertical dissociation of PhCl	18.8	19.0	14.5	14.9
Diffusion of Cl atom from methyl group	2.9	3.0	1.4	1.4
Desorption of $MeMg^{+}$ cation	13.8	-	-0.3	-

As the energies of MeMgCl desorption intermediates in diethyl ether shows, the desorption of the bare $MeMg^{+}$ cation becomes highly unlikely in DEE(Figure S13). This is mainly due to the strong charge separation in the cation structures: ions are generally more stable in polar solvents. However, the cation intermediate is still stablized with explicit solvent coordination. The desorption energy of the cation is lowered to -2.7 kcal mol^{-1} with one DEE coordination. That is, although the bare cation desorption in less polar solvents like DEE is not feasible, cation desorption with concerted solvent coordination is still possible. With that said, the evaluation of such a concerted desorption/coordination pathway requires the inclusion of both surface-adsorbed solvents and solvent-phase solvents in the super cell, which is too expensive at the current level of theory.

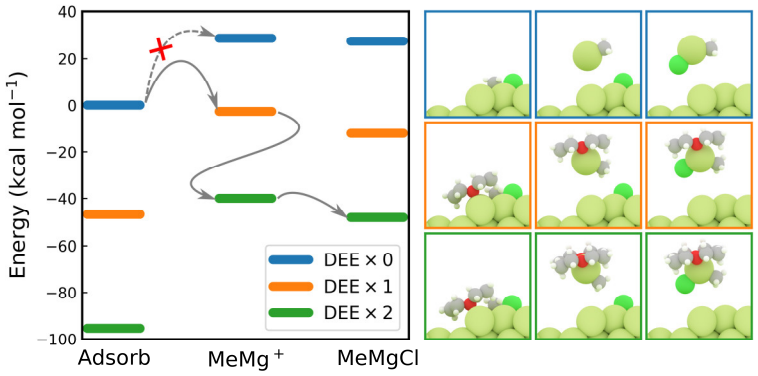


Figure S13: Desorption energy graph of magnesium with methyl group and solvent coordination. Energies (kcal mol^{-1}) are relative to adsorption structure and free DEE molecules. Possible reaction pathway is indicated with grey arrows.

5. Structure data

```
### POSCAR for INT1 ###
Mg  C Cl  H
 1.0000000000000000
    15.7074999999999996    0.0000000000000000    0.0000000000000000
    -7.8537499999999998   13.6030940299999994    0.0000000000000000
     0.0000000000000000    0.0000000000000000   35.1578000000000017
 100   1   1   3
Selective dynamics
Cartesian
  0.0000000000000000  0.0000000000000000  0.0000000000000000   F   F   F
  0.0000000785374505  1.8137458253230103  2.5394499999999609   F   F   F
  0.0033420356979121  0.0030683519242916  5.0836943826048540   T   T   T
  0.0031944346012518  1.8177246669186558  7.6781526824043382   T   T   T
 -1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
 -1.5707499214624598  4.5343646313230481  2.5394499999999609   F   F   F
 -1.5700242338752268  2.7221350414290764  5.0839754713291576   T   T   T
 -1.5678836198067012  4.5366431682605510  7.6769698993470854   T   T   T
 -3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
 -3.1414999214624264  7.2549834373229904  2.5394499999999609   F   F   F
 -3.1395400911997027  5.4427143159766755  5.0826052966288193   T   T   T
 -3.1383593700355772  7.2570544017643659  7.6772406009679113   T   T   T
 -4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
 -4.7122499214624476  9.9756022433230278  2.5394499999999609   F   F   F
 -4.7107158433415410  8.1622779567618053  5.0840435238908714   T   T   T
 -4.7078808208834371  9.9771365215276759  7.6780191204155690   T   T   T
 -6.2829999999999773 10.8824752239999611  0.0000000000000000   F   F   F
 -6.2829999214624142 12.6962210493229701  2.5394499999999609   F   F   F
 -6.2788452157786132 10.8842404535696211  5.0835523168606800   T   T   T
 -6.2792655107653346 12.6989628931725669  7.6762750888481257   T   T   T
  3.1415000000000437  0.0000000000000000  0.0000000000000000   F   F   F
  3.1415000785374940  1.8137458253230103  2.5394499999999609   F   F   F
  3.1445827840062011  0.0022787990520758  5.0845868063374740   T   T   T
  3.1447595817827780  1.8185354756631293  7.6770163729385805   T   T   T
  1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
  1.5707500785374719  4.5343646313230481  2.5394499999999609   F   F   F
  1.5727830540994314  2.7230820553608668  5.0853958441530045   T   T   T
  1.5729423775433427  4.5404833055284524  7.6792239739825359   T   T   T
  0.0000000000000551  5.4412376119999806  0.0000000000000000   F   F   F
  0.0000000785375054  7.2549834373229904  2.5394499999999609   F   F   F
  0.0005655845801549  5.4407086309045996  5.0810466408018238   T   T   T
 -0.0021426900967887  7.2544972422967398  7.6635317587488245   T   T   T
 -1.5707499999999670  8.1618564180000188  0.0000000000000000   F   F   F
 -1.5707499214625162  9.9756022433230278  2.5394499999999609   F   F   F
 -1.5711884489677947  8.1631533426050069  5.0813178385129545   T   T   T
 -1.5658339432022315  9.9759218016990410  7.6792867899932604   T   T   T
 -3.1414999999999336 10.8824752239999611  0.0000000000000000   F   F   F
 -3.1414999214624828 12.6962210493229701  2.5394499999999609   F   F   F
 -3.1389510166908985 10.8835530276579249  5.0852796177043693   T   T   T
 -3.1367405962540920 12.6979079736073963  7.6767476639757151   T   T   T
  6.2829999999999773  0.0000000000000000  0.0000000000000000   F   F   F
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  6.2850957091679156  0.0017154769007102  5.0851216929251253   T   T   T
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  0.0000000000000000 10.8824752239999611  0.0000000000000000   F   F   F
  0.0000000785375631 12.6962210493229701  2.5394499999999609   F   F   F
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  0.0044146677645527 12.6981277109342336  7.6790370914616588   T   T   T
  9.4245000000000214  0.0000000000000000  0.0000000000000000   F   F   F
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  7.8537499999999998  2.7206188060000378  0.0000000000000000   F   F   F
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  7.8559562038632595  2.7220478990194867  5.0844563112425147   T   T   T
  7.8555665510026635  4.5367797626087896  7.6768270453514189   T   T   T
  6.2830000000000332  5.4412376119999806  0.0000000000000000   F   F   F
  6.2830000785374835  7.2549834373229904  2.5394499999999609   F   F   F
  6.2849459559681833  5.4413115674712618  5.0817394935002325   T   T   T
  6.2898442306424007  7.2568153507466437  7.6672285797330719   T   T   T
  4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
  4.7122500785374619  9.9756022433230278  2.5394499999999609   F   F   F
  4.7157438568399357  8.1601599542117373  5.0808193832242097   T   T   T
  4.7395504178522154  9.9924881030004205  7.6307156875597721   T   T   T
  3.1415000000000441 10.8824752239999611  0.0000000000000000   F   F   F
  3.1415000785374954 12.6962210493229701  2.5394499999999609   F   F   F
  3.1415794235268057 10.8872161749435534  5.0791315388685057   T   T   T
  3.1457717044241740 12.7011062226922871  7.6685712245785842   T   T   T
 12.5659999999999545  0.0000000000000000  0.0000000000000000   F   F   F
 12.5660000785375168  1.8137458253230103  2.5394499999999609   F   F   F
 12.5684067658136307  0.0012042347639320  5.0821822481082712   T   T   T
 12.5692735982149273  1.8151540300036726  7.6766510852499312   T   T   T
 10.9952499999999329  2.7206188060000378  0.0000000000000000   F   F   F
 10.9952500785374951  4.5343646313230481  2.5394499999999609   F   F   F
 10.9965898200464789  2.7206447833549481  5.0833973363751559   T   T   T
 10.9980133669482925  4.5362721735625673  7.6743967230140964   T   T   T
  9.4244999999999663  5.4412376119999806  0.0000000000000000   F   F   F
  9.4245000785375286  7.2549834373229904  2.5394499999999609   F   F   F
  9.4251350189693817  5.4429030832902869  5.0834991819385387   T   T   T
  9.4273459720641171  7.2576447254111986  7.6766022279912525   T   T   T
  7.8537499999999438  8.1618564180000188  0.0000000000000000   F   F   F
  7.8537500785375070  9.9756022433230278  2.5394499999999609   F   F   F
  7.8561885237795970  8.1637610112592984  5.0820267389448137   T   T   T
  7.8602903834865412  9.9789735659639138  7.6768924572456907   T   T   T
  6.2829999999999773 10.8824752239999611  0.0000000000000000   F   F   F
  6.2830000785375404 12.6962210493229701  2.5394499999999609   F   F   F
  6.2921292017002770 10.8880343571956040  5.0722509458354477   T   T   T
  6.2887153751576053 12.7009390996234934  7.6770387188851261   T   T   T
  2.8412120186221781  8.8225252245591914 12.1281752059564969   T   T   T
  3.1218022328099586  9.0545231825810273 10.3507137256307260   T   T   T
  1.8648732099437355  8.3398144178615965 12.2426921377697866   T   T   T
  2.8572052107828378  9.8143574642487028 12.5915476182767883   T   T   T
  3.6506333334723537  8.1884281281173017 12.5044474310570006   T   T   T
### POSCAR for TS1-2 ###
Mg  C Cl  H
 1.0000000000000000
    15.7074999999999996    0.0000000000000000    0.0000000000000000
    -7.8537499999999998   13.6030940299999994    0.0000000000000000
     0.0000000000000000    0.0000000000000000   35.1578000000000017
 100   1   1   3
Selective dynamics
Cartesian
  0.0000000000000000  0.0000000000000000  0.0000000000000000   F   F   F
  0.0000000785374490  1.8137458253230103  2.5394499999999609   F   F   F
  7.8515142811611751 13.6007546821315284  5.0873185026514793   T   T   T
 -0.0003045541238680  1.8123375997050968  7.6751194697712917   T   T   T
 -1.5707500000000227  2.7206188060000391  0.0000000000000000   F   F   F
 -1.5707499214624598  4.5343646313230481  2.5394499999999609   F   F   F
 14.1356234783604293  2.7200277352226552  5.0777585751211571   T   T   T
 -1.5743042419990791  4.5275804606816417  7.6716857777822201   T   T   T
 -3.1414999999999864  5.4412376119999823  0.0000000000000000   F   F   F
 -3.1414999214624273  7.2549834373229913  2.5394499999999609   F   F   F
 -3.1395255096394781  5.4424184023598485  5.0794993076843733   T   T   T
 -3.1478783559743744  7.2540758175020041  7.6714158046340390   T   T   T
 -4.7122500000000072  8.1618564180000188  0.0000000000000000   F   F   F
 -4.7122499214624449  9.9756022433230278  2.5394499999999609   F   F   F
 10.9957247026697722  8.1606699267293710  5.0773872101270801   T   T   T
 -4.7114798145682375  9.9749328565939432  7.6735516691527446   T   T   T
 -6.2829999999999737 10.8824752239999647  0.0000000000000000   F   F   F
 -6.2829999214624115 12.6962210493229701  2.5394499999999609   F   F   F
  9.4219723452753286 10.8810386173854088  5.0869163355561922   T   T   T
 -6.2853674086112479 12.6935836325386759  7.6761405803939384   T   T   T
  3.1415000000000437  0.0000000000000000  0.0000000000000000   F   F   F
  3.1415000785374940  1.8137458253230103  2.5394499999999609   F   F   F
 -4.7117085605187263 13.6021853881934014  5.0865792927032540   T   T   T
  3.1419063360116022  1.8148966329110470  7.6762269830099026   T   T   T
  1.5707500000000210  2.7206188060000391  0.0000000000000000   F   F   F
  1.5707500785374719  4.5343646313230481  2.5394499999999609   F   F   F
  1.5717392080459487  2.7221749544245082  5.0876704651664202   T   T   T
  1.5649326481102945  4.5372176296632629  7.6737064443522565   T   T   T
  0.0000000000000560  5.4412376119999823  0.0000000000000000   F   F   F
  0.0000000785375063  7.2549834373229913  2.5394499999999609   F   F   F
 -0.0034987077323363  5.4338561899153497  5.0687890576694645   T   T   T
 -0.0302864060885870  7.2361149187672655  7.6340136185470753   T   T   T
 -1.5707499999999635  8.1618564180000188  0.0000000000000000   F   F   F
 -1.5707499214625109  9.9756022433230278  2.5394499999999609   F   F   F
 -1.5781695565265590  8.1616004886356173  5.0696647747205335   T   T   T
 -1.5655593951535615  9.9671847396876885  7.6757800686217950   T   T   T
 -3.1414999999999313 10.8824752239999647  0.0000000000000000   F   F   F
 -3.1414999214624828 12.6962210493229701  2.5394499999999609   F   F   F
 -3.1377983826637466 10.8810671745464305  5.0873641889457168   T   T   T
 -3.1378254956647531 12.6935451520695572  7.6760955917408689   T   T   T
  6.2829999999999746  0.0000000000000000  0.0000000000000000   F   F   F
  6.2830000785375386  1.8137458253230103  2.5394499999999609   F   F   F
 -1.5676862234512230 13.6006009426074908  5.0873974001984168   T   T   T
  6.2845665361034362  1.8119704698193129  7.6751550599056646   T   T   T
  4.7122499999999539  2.7206188060000391  0.0000000000000000   F   F   F
  4.7122500785375161  4.5343646313230481  2.5394499999999609   F   F   F
  4.7123475036111326  2.7219167353950695  5.0876314458416232   T   T   T
  4.7193681598544366  4.5367306258508400  7.6731642604624399   T   T   T
  3.1414999999999877  5.4412376119999823  0.0000000000000000   F   F   F
  3.1415000785375486  7.2549834373229913  2.5394499999999609   F   F   F
  3.1418428259175801  5.4385909466422522  5.0786154698944381   T   T   T
  3.1424279315736188  7.2252440530033244  7.7058548412668681   T   T   T
  1.5707499999999666  8.1618564180000188  0.0000000000000000   F   F   F
  1.5707500785375297  9.9756022433230278  2.5394499999999609   F   F   F
  1.5722123635579841  8.1609164385096555  5.1145988226537673   T   T   T
  1.5540051137212014  9.9843791709373875  7.6991396475347642   T   T   T
 -0.0000000000000009 10.8824752239999647  0.0000000000000000   F   F   F
  0.0000000785375631 12.6962210493229701  2.5394499999999609   F   F   F
  0.0008607247123642 10.8818897502378586  5.0814569949477129   T   T   T
  0.0076221902534472 12.6947255324965855  7.6769897590154859   T   T   T
  9.4245000000000143  0.0000000000000000  0.0000000000000000   F   F   F
  9.4245000785374646  1.8137458253230103  2.5394499999999609   F   F   F
  9.4232983329122639  0.0031356965921978  5.0738420477913682   T   T   T
  9.4236885928877197  1.8152661375216139  7.6695330172072591   T   T   T
  7.8537499999999918  2.7206188060000391  0.0000000000000000   F   F   F
  7.8537500785374430  4.5343646313230481  2.5394499999999609   F   F   F
  7.8554398227453008  2.7197216009411482  5.0777472433680106   T   T   T
  7.8585867959667945  4.5276471351207226  7.6709409327851752   T   T   T
  6.2830000000000279  5.4412376119999823  0.0000000000000000   F   F   F
  6.2830000785374827  7.2549834373229913  2.5394499999999609   F   F   F
  6.2871360063311741  5.4339568486550638  5.0687048369092800   T   T   T
  6.3147146822947260  7.2362660658940889  7.6340655452331090   T   T   T
  4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
  4.7122500785374619  9.9756022433230278  2.5394499999999609   F   F   F
  4.7114771756160030  8.1606273307080421  5.1134546584077611   T   T   T
  4.7319302101743261  9.9852447883577202  7.6967971068711218   T   T   T
  3.1415000000000415 10.8824752239999647  0.0000000000000000   F   F   F
  3.1415000785374954 12.6962210493229701  2.5394499999999609   F   F   F
  3.1416752330173727 10.8815241746973985  5.1045473237578891   T   T   T
  3.1420706601749604 12.7190938990695930  7.6476074563598919   T   T   T
 12.5659999999999474  0.0000000000000000  0.0000000000000000   F   F   F
 12.5660000785373978  1.8137458253230103  2.5394499999999609   F   F   F
 12.5677655316124763  0.0032609108976092  5.0739396102202150   T   T   T
 12.5680515921740561  1.8154630001647358  7.6698272994748296   T   T   T
 10.9952499999997055  2.7206188060000391  0.0000000000000000   F   F   F
 10.9952500785374951  4.5343646313230481  2.5394499999999609   F   F   F
 10.9954776189339931  2.7190514461911457  5.0795445196228348   T   T   T
 10.9959474889750766  4.5334632330812514  7.6710814837932428   T   T   T
  9.4244999999999646  5.4412376119999823  0.0000000000000000   F   F   F
  9.4245000785375268  7.2549834373229913  2.5394499999999609   F   F   F
  9.4233411510734655  5.4422703076923922  5.0795248082397713   T   T   T
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  9.4322544679033378  7.2539182167142178  7.6708532011098667   T   T   T
  7.8537499999999438  8.1618564180000188  0.0000000000000000   F   F   F
  7.8537500785375070  9.9756022433230278  2.5394499999999609   F   F   F
  7.8619735691623269  8.1614748727027173  5.0698920382404262   T   T   T
  7.8506324753133319  9.9675029940475337  7.6755364258914538   T   T   T
  6.2829999999999746 10.8824752239999647  0.0000000000000000   F   F   F
  6.2830000785375404 12.6962210493229701  2.5394499999999609   F   F   F
  6.2829766262601501 10.8818630869489841  5.0811828872996907   T   T   T
  6.2770356579010747 12.6952475591005545  7.6768284684064074   T   T   T
  3.1406991521343972  8.7049880682687668 11.9488364717918785   T   T   T
  3.1664887263581623  8.9875903770367227  9.7509566865120458   T   T   T
  2.2053063989746136  8.1577434738002932 12.0762933684145217   T   T   T
  3.1478396203844010  9.7455083712235258 12.2764299420939622   T   T   T
  4.0621547031862111  8.1392744369812586 12.0938534818824515   T   T   T
### POSCAR for INT2 ###
Mg  C Cl  H
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    15.7074999999999996    0.0000000000000000    0.0000000000000000
    -7.8537499999999998   13.6030940299999994    0.0000000000000000
     0.0000000000000000    0.0000000000000000   35.1578000000000017
 100   1   1   3
Selective dynamics
Cartesian
  0.0000000000000000  0.0000000000000000  0.0000000000000000   F   F   F
  0.0000000785374505  1.8137458253230103  2.5394499999999609   F   F   F
  7.8503240853812990 13.6012371836734385  5.1048030069864616   T   T   T
 -0.0037095306459465  1.8099417323682290  7.7086124234316511   T   T   T
 -1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
 -1.5707499214624598  4.5343646313230481  2.5394499999999609   F   F   F
 14.1322338541377608  2.7198379304100695  5.0953328109758402   T   T   T
 -1.5796979079135389  4.5233890779725456  7.7014336761473317   T   T   T
 -3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
 -3.1414999214624264  7.2549834373229904  2.5394499999999609   F   F   F
 12.5653977827058636  5.4409648092773581  5.0961983581351396   T   T   T
 -3.1551476315906171  7.2525604907096479  7.7014920053014464   T   T   T
 -4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
 -4.7122499214624476  9.9756022433230278  2.5394499999999609   F   F   F
 10.9923725637369927  8.1583784695498327  5.0954140217848680   T   T   T
 -4.7171659790128153  9.9742691424706287  7.7085671254191617   T   T   T
 -6.2829999999999773 10.8824752239999611  0.0000000000000000   F   F   F
 -6.2829999214624142 12.6962210493229701  2.5394499999999609   F   F   F
  9.4212363428325681 10.8803426859208123  5.1048840862391680   T   T   T
 -6.2904030848839509 12.6919096159584690  7.7068417341847004   T   T   T
  3.1415000000000437  0.0000000000000000  0.0000000000000000   F   F   F
  3.1415000785374940  1.8137458253230103  2.5394499999999609   F   F   F
 -4.7153231484249751 13.6012026505294283  5.1055971933776219   T   T   T
  3.1368702249705116  1.8135468673579631  7.7064916962945818   T   T   T
  1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
  1.5707500785374719  4.5343646313230481  2.5394499999999609   F   F   F
  1.5676650355162878  2.7186917199079232  5.1046482657868326   T   T   T
  1.5591690263624089  4.5333724888567790  7.7030665691649807   T   T   T
  0.0000000000000551  5.4412376119999806  0.0000000000000000   F   F   F
  0.0000000785375054  7.2549834373229904  2.5394499999999609   F   F   F
 -0.0079209561983573  5.4288929775518673  5.0844061303082606   T   T   T
 -0.0477222558839125  7.2273203384003128  7.6519671876111621   T   T   T
 -1.5707499999999670  8.1618564180000188  0.0000000000000000   F   F   F
 -1.5707499214625162  9.9756022433230278  2.5394499999999609   F   F   F
 -1.5852921453258144  8.1611962770828761  5.0844767494586627   T   T   T
 -1.5771420720054827  9.9659619823711019  7.7030100359894726   T   T   T
 -3.1414999999999336 10.8824752239999611  0.0000000000000000   F   F   F
 -3.1414999214624828 12.6962210493229701  2.5394499999999609   F   F   F
 -3.1445636614306665 10.8805446517980062  5.1045275709111664   T   T   T
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  6.2829999999999773  0.0000000000000000  0.0000000000000000   F   F   F
  6.2830000785375404  1.8137458253230103  2.5394499999999609   F   F   F
 -1.5733642829324044 13.6017213566553998  5.1045763372168347   T   T   T
  6.2777340638150418  1.8105759926014340  7.7086501894332988   T   T   T
  4.7122499999999556  2.7206188060000378  0.0000000000000000   F   F   F
  4.7122500785375179  4.5343646313230481  2.5394499999999609   F   F   F
  4.7098956903298799  2.7188981123328508  5.1046176767566198   T   T   T
  4.7143662716524002  4.5336970729953343  7.7034888818993865   T   T   T
  3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
  3.1415000785375513  7.2549834373229904  2.5394499999999609   F   F   F
  3.1388598398281711  5.4274798615238016  5.0858026073196925   T   T   T
  3.1359210146415650  7.1972960900131815  7.7220957025229700   T   T   T
  1.5707499999999666  8.1618564180000188  0.0000000000000000   F   F   F
  1.5707500785375297  9.9756022433230278  2.5394499999999609   F   F   F
  1.5686978694188323  8.1606172471819054  5.1456874674843611   T   T   T
  1.5182229821628823  9.9994513242248750  7.7220885050090660   T   T   T
  0.0000000000000000 10.8824752239999611  0.0000000000000000   F   F   F
  0.0000000785375631 12.6962210493229701  2.5394499999999609   F   F   F
 -0.0131903477386546 10.8869002210920378  5.0858525313571068   T   T   T
  0.0006596313420708 12.6981595976558754  7.7033553406771720   T   T   T
  9.4245000000000214  0.0000000000000000  0.0000000000000000   F   F   F
  9.4245000785374717  1.8137458253230103  2.5394499999999609   F   F   F
  9.4151707924115957  0.0083131793468879  5.0849688050570085   T   T   T
  9.4157081589847298  1.8189290406800993  7.7016445051700622   T   T   T
  7.8537499999999998  2.7206188060000378  0.0000000000000000   F   F   F
  7.8537500785374501  4.5343646313230481  2.5394499999999609   F   F   F
  7.8527938365657883  2.7201198638960982  5.0954205829537198   T   T   T
  7.8539474714544593  4.5240500729102449  7.7015727360572983   T   T   T
  6.2830000000000332  5.4412376119999806  0.0000000000000000   F   F   F
  6.2830000785374835  7.2549834373229904  2.5394499999999609   F   F   F
  6.2853830011387490  5.4289801657859700  5.0851233512997354   T   T   T
  6.3201066727540338  7.2278250308320864  7.6532772909561277   T   T   T
  4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
  4.7122500785374619  9.9756022433230278  2.5394499999999609   F   F   F
  4.7077993826129774  8.1606437921818085  5.1461219939331997   T   T   T
  4.7528919030296448  9.9990444177980731  7.7237180839130053   T   T   T
  3.1415000000000441 10.8824752239999611  0.0000000000000000   F   F   F
  3.1415000785374954 12.6962210493229701  2.5394499999999609   F   F   F
  3.1381794421873392 10.8791476584145546  5.1460367869681978   T   T   T
  3.1366132337012242 12.7418998597064270  7.6531659816486437   T   T   T
 12.5659999999999545  0.0000000000000000  0.0000000000000000   F   F   F
 12.5660000785375168  1.8137458253230103  2.5394499999999609   F   F   F
 12.5693591775858646  0.0079699453288714  5.0850318164545634   T   T   T
 12.5661618829183546  1.8184877057386069  7.7016008688007114   T   T   T
 10.9952499999999329  2.7206188060000378  0.0000000000000000   F   F   F
 10.9952500785374951  4.5343646313230481  2.5394499999999609   F   F   F
 10.9925167713967369  2.7170306271994282  5.0962561390496148   T   T   T
 10.9910592060684706  4.5318434953231721  7.7047875664631080   T   T   T
  9.4244999999999663  5.4412376119999806  0.0000000000000000   F   F   F
  9.4245000785375286  7.2549834373229904  2.5394499999999609   F   F   F
  9.4200192336910220  5.4408045250134727  5.0962151329310830   T   T   T
  9.4288354937955923  7.2525671901613507  7.7017025678395887   T   T   T
  7.8537499999999438  8.1618564180000188  0.0000000000000000   F   F   F
  7.8537500785375070  9.9756022433230278  2.5394499999999609   F   F   F
  7.8623968627322274  8.1606857245181281  5.0851816074702629   T   T   T
  7.8495999091132838  9.9658538702732464  7.7039801927948250   T   T   T
  6.2829999999999773 10.8824752239999611  0.0000000000000000   F   F   F
  6.2830000785375404 12.6962210493229701  2.5394499999999609   F   F   F
  6.2897797114341811 10.8862848875742220  5.0863386592208579   T   T   T
  6.2723903930411851 12.6975080386647203  7.7039594474630428   T   T   T
  2.8151059422294908  8.8019366098231551 15.6492844843324423   T   T   T
  3.1330107095416606  9.0633648493996333  9.5010030931992038   T   T   T
  1.8359580115111216  8.3259749441581974 15.6759837039367280   T   T   T
  2.8936496941860899  9.8882626757285106 15.6679806828386710   T   T   T
  3.7165422652255424  8.1915418048867608 15.6098467244189987   T   T   T
### POSCAR for INT3 ###
Mg  C  H Cl
 1.0000000000000000
    15.7074999999999996    0.0000000000000000    0.0000000000000000
    -7.8537499999999998   13.6030940299999994    0.0000000000000000
     0.0000000000000000    0.0000000000000000   35.1578000000000017
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Selective dynamics
Cartesian
  0.0000000000000000  0.0000000000000000  0.0000000000000000   F   F   F
  0.0000000785374505  1.8137458253230103  2.5394499999999609   F   F   F
  0.0021888570972632  0.0043808501813147  5.0843430785930988   T   T   T
  0.0016894642322851  1.8202008776180092  7.6800275723441995   T   T   T
 -1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
 -1.5707499214624598  4.5343646313230481  2.5394499999999609   F   F   F
 -1.5708235845173562  2.7238057231224801  5.0858859690621738   T   T   T
 -1.5692086746626821  4.5407793067298652  7.6802056917909756   T   T   T
 -3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
 -3.1414999214624264  7.2549834373229904  2.5394499999999609   F   F   F
 -3.1402884976809569  5.4442689632317025  5.0845999757807734   T   T   T
 -3.1373311730776301  7.2611651458729707  7.6816797360027076   T   T   T
 -4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
 -4.7122499214624476  9.9756022433230278  2.5394499999999609   F   F   F
 -4.7119498498556727  8.1638560892174379  5.0866879424996831   T   T   T
 -4.7093443488366882  9.9801997202254249  7.6790087500926232   T   T   T
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 -6.2829999214624142 12.6962210493229701  2.5394499999999609   F   F   F
 -6.2808705515638952 10.8854478199572924  5.0841689890465984   T   T   T
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  3.1415000000000437  0.0000000000000000  0.0000000000000000   F   F   F
  3.1415000785374940  1.8137458253230103  2.5394499999999609   F   F   F
  3.1433822654188370  0.0039481405205728  5.0859561749807964   T   T   T
  3.1430252625838930  1.8208196550903002  7.6787912591433036   T   T   T
  1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
  1.5707500785374719  4.5343646313230481  2.5394499999999609   F   F   F
  1.5721274512357506  2.7245746548370868  5.0857474357583818   T   T   T
  1.5708967425416795  4.5422714086091434  7.6836099578220942   T   T   T
  0.0000000000000551  5.4412376119999806  0.0000000000000000   F   F   F
  0.0000000785375054  7.2549834373229904  2.5394499999999609   F   F   F
  0.0003835170393134  5.4417963623889225  5.0834259328368390   T   T   T
 -0.0006771461953630  7.2595008014085058  7.6625337559241640   T   T   T
 -1.5707499999999670  8.1618564180000188  0.0000000000000000   F   F   F
 -1.5707499214625162  9.9756022433230278  2.5394499999999609   F   F   F
 -1.5710790105576429  8.1650180485895092  5.0812566845953784   T   T   T
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 -3.1414999999999336 10.8824752239999611  0.0000000000000000   F   F   F
 -3.1414999214624828 12.6962210493229701  2.5394499999999609   F   F   F
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  6.2843534813198216  1.8188625916241066  7.6809263899765954   T   T   T
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  4.7122500785375179  4.5343646313230481  2.5394499999999609   F   F   F
  4.7135495950132826  2.7247263980753726  5.0865365871896202   T   T   T
  4.7109679494865606  4.5425135664862397  7.6840458676618431   T   T   T
  3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
  3.1415000785375513  7.2549834373229904  2.5394499999999609   F   F   F
  3.1418823946627144  5.4403239802469203  5.0820008901246343   T   T   T
  3.1374489257036995  7.2539437283971626  7.6769575647173349   T   T   T
  1.5707499999999666  8.1618564180000188  0.0000000000000000   F   F   F
  1.5707500785375297  9.9756022433230278  2.5394499999999609   F   F   F
  1.5718888340585417  8.1628275234807646  5.0825529974020194   T   T   T
  1.5670760594382989  9.9931721267279290  7.6297853817515593   T   T   T
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  0.0000000785375631 12.6962210493229701  2.5394499999999609   F   F   F
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  9.4245000000000214  0.0000000000000000  0.0000000000000000   F   F   F
  9.4245000785374717  1.8137458253230103  2.5394499999999609   F   F   F
  9.4247713813042768  0.0011284068870125  5.0872926806797354   T   T   T
  9.4252969161671718  1.8169230131688670  7.6793962862125085   T   T   T
  7.8537499999999998  2.7206188060000378  0.0000000000000000   F   F   F
  7.8537500785374501  4.5343646313230481  2.5394499999999609   F   F   F
  7.8546455041748597  2.7241446504935229  5.0869449044696307   T   T   T
  7.8521601088585626  4.5419331627607864  7.6804852008488087   T   T   T
  6.2830000000000332  5.4412376119999806  0.0000000000000000   F   F   F
  6.2830000785374835  7.2549834373229904  2.5394499999999609   F   F   F
  6.2818712286360601  5.4459753233960768  5.0890394026464678   T   T   T
  6.2766754628914958  7.2657800264744745  7.6888698241474795   T   T   T
  4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
  4.7122500785374619  9.9756022433230278  2.5394499999999609   F   F   F
  4.7127995426431850  8.1625969256488151  5.0821569083803189   T   T   T
  4.7263941449206355  9.9947087471409244  7.6404318912770677   T   T   T
  3.1415000000000441 10.8824752239999611  0.0000000000000000   F   F   F
  3.1415000785374954 12.6962210493229701  2.5394499999999609   F   F   F
  3.1440577963157823 10.8909534742091729  5.0734468504058547   T   T   T
  3.1432396494163291 12.6998301405172445  7.6823678144188321   T   T   T
 12.5659999999999545  0.0000000000000000  0.0000000000000000   F   F   F
 12.5660000785375168  1.8137458253230103  2.5394499999999609   F   F   F
 12.5668218221485652  0.0023323600404074  5.0866365163699658   T   T   T
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 10.9956050730437873  2.7230124832407352  5.0853401833655285   T   T   T
 10.9961993075288653  4.5404683062172717  7.6778507452746787   T   T   T
  9.4244999999999663  5.4412376119999806  0.0000000000000000   F   F   F
  9.4245000785375286  7.2549834373229904  2.5394499999999609   F   F   F
  9.4243085669679676  5.4442438795119941  5.0852422529371486   T   T   T
  9.4234723902471931  7.2608452939009434  7.6796847471063883   T   T   T
  7.8537499999999438  8.1618564180000188  0.0000000000000000   F   F   F
  7.8537500785375070  9.9756022433230278  2.5394499999999609   F   F   F
  7.8509939675555272  8.1652931873371841  5.0898284923295494   T   T   T
  7.8554081754757474  9.9832259382938737  7.6820418336784906   T   T   T
  6.2829999999999773 10.8824752239999611  0.0000000000000000   F   F   F
  6.2830000785375404 12.6962210493229701  2.5394499999999609   F   F   F
  6.2903962331714443 10.8885211691889747  5.0766117142755327   T   T   T
  6.2867172598235284 12.7032961483232931  7.6808332925942207   T   T   T
  0.6489135385694675  8.9514722391746577 11.4790653941365886   T   T   T
  1.9144849726796638  8.7916792559616734 11.8563211019074721   T   T   T
-0.1315158645046361  9.0094386464218026 12.2412217321851244   T   T   T
  0.3495833612489960  9.0273198977867946 10.4282096857350854   T   T   T
  2.2512870364341575  8.7132999198728065 12.8906416912562811   T   T   T
  3.2369604229714568  8.6838515050951131 10.7265237316435638   T   T   T
### POSCAR for TS3-4 ###
Mg  C  H Cl
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    15.7074999999999996    0.0000000000000000    0.0000000000000000
    -7.8537499999999998   13.6030940299999994    0.0000000000000000
     0.0000000000000000    0.0000000000000000   35.1578000000000017
 100   2   3   1
Selective dynamics
Cartesian
  0.0000000000000000  0.0000000000000000  0.0000000000000000   F   F   F
  0.0000000785374474  1.8137458253230103  2.5394499999999609   F   F   F
  0.0050673513456574  0.0016462505217855  5.0934600820258931   T   T   T
  0.0095814912280761  1.8171248222750711  7.6863470304748125   T   T   T
 -1.5707500000000227  2.7206188060000391  0.0000000000000000   F   F   F
 -1.5707499214624598  4.5343646313230481  2.5394499999999609   F   F   F
 -1.5675917978083487  2.7236027162264898  5.0874991452852116   T   T   T
 -1.5643017318689718  4.5320224591975906  7.6884093122888855   T   T   T
 -3.1414999999999771  5.4412376119999823  0.0000000000000000   F   F   F
 -3.1414999214624273  7.2549834373229913  2.5394499999999609   F   F   F
 -3.1342557961645392  5.4427939095380307  5.0876046321613240   T   T   T
 -3.1322839631364898  7.2560392215241851  7.6914073482871110   T   T   T
 -4.7122499999999858  8.1618564180000188  0.0000000000000000   F   F   F
 -4.7122499214624201  9.9756022433230278  2.5394499999999609   F   F   F
 -4.7060874526799434  8.1610616958323607  5.0892393908061448   T   T   T
 -4.6954360830384525  9.9762434094022257  7.6906664823297399   T   T   T
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 -6.2741249042707805 10.8826082919241038  5.0918903706989092   T   T   T
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  0.1415000785374940  1.8137458253230103  2.5394499999999609   F   F   F
  0.1504203022198979 -0.0001200579333855  5.0953915853322247   T   T   T
  0.1541130616474007  1.8171549741414359  7.6877199763565880   T   T   T
  1.5707500000000210  2.7206188060000391  0.0000000000000000   F   F   F
  1.5707500785374719  4.5343646313230481  2.5394499999999609   F   F   F
  1.5761482054538043  2.7234583941020256  5.0962194457519203   T   T   T
  1.5774927398841401  4.5421385779573589  7.6897452961106731   T   T   T
  0.0000000000000560  5.4412376119999823  0.0000000000000000   F   F   F
  0.0000000785375063  7.2549834373229913  2.5394499999999609   F   F   F
  0.0017933097334111  5.4313210267104663  5.0775355156848301   T   T   T
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 -1.5707499214624905  9.9756022433230278  2.5394499999999609   F   F   F
 -1.5742874415998478  8.1619954280874083  5.0742911792271874   T   T   T
 -1.5514048245980243  9.9674655489234638  7.6682166934062650   T   T   T
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 -3.1414999214624828 12.6962210493229701  2.5394499999999609   F   F   F
 -3.1348261331207650 10.8825841637707370  5.0917796623710680   T   T   T
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  6.2830000785375386  1.8137458253230103  2.5394499999999609   F   F   F
  6.2926097580244704 -0.0008151002334936  5.0984071367549468   T   T   T
  6.2954146981683552  1.8124749631406893  7.6975699308726204   T   T   T
  4.7122499999999539  2.7206188060000391  0.0000000000000000   F   F   F
  4.7122500785375161  4.5343646313230481  2.5394499999999609   F   F   F
  4.7195153819895079  2.7215666323514798  5.0967926891359197   T   T   T
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  3.1415000785375486  7.2549834373229913  2.5394499999999609   F   F   F
  3.1472727685309283  5.4321977066104612  5.0791575435134071   T   T   T
  3.1646731742139131  7.2198032753128025  7.6899274954082646   T   T   T
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  1.5707500785375297  9.9756022433230278  2.5394499999999609   F   F   F
  1.5783709262006465  8.1633006339249814  5.1294886053066415   T   T   T
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  0.0000000785375631 12.6962210493229701  2.5394499999999609   F   F   F
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  9.4245000000000090  0.0000000000000000  0.0000000000000000   F   F   F
  9.4245000785374380  1.8137458253230103  2.5394499999999609   F   F   F
  9.4268016833495043  0.0051817477241492  5.0797689440471938   T   T   T
  9.4317646156438286  1.8158808822243961  7.6846541751032795   T   T   T
  7.8537499999999865  2.7206188060000391  0.0000000000000000   F   F   F
  7.8537500785374164  4.5343646313230481  2.5394499999999609   F   F   F
  7.8598353945389476  2.7224761625921197  5.0881459941394427   T   T   T
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  6.2830000000000190  5.4412376119999823  0.0000000000000000   F   F   F
  6.2830000785374827  7.2549834373229913  2.5394499999999609   F   F   F
  6.2880581227878096  5.4369936365449361  5.0803295895981462   T   T   T
  6.3215258599675312  7.2429807884489996  7.6527042050169056   T   T   T
  4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
  4.7122500785374619  9.9756022433230278  2.5394499999999609   F   F   F
  4.7210067682057426  8.1587719367215090  5.0989058588432137   T   T   T
  4.7787211611044054  9.9998502692932387  7.6503808456106368   T   T   T
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  3.1487215383156721 10.8854879584521562  5.1068370828362362   T   T   T
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 12.5659999999999332  0.0000000000000000  0.0000000000000000   F   F   F
 12.5660000785373605  1.8137458253230103  2.5394499999999609   F   F   F
 12.5756792824645398  0.0065361966907681  5.0823522128841665   T   T   T
 12.5792204393762947  1.8203919874347887  7.6840923330414750   T   T   T
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 10.9952500785374951  4.5343646313230481  2.5394499999999609   F   F   F
 11.0003622839824988  2.7199073126893438  5.0884267570075448   T   T   T
 11.0060403286180417  4.5365795009130263  7.6853428078732593   T   T   T
  9.4244999999999646  5.4412376119999823  0.0000000000000000   F   F   F
  9.4245000785375268  7.2549834373229913  2.5394499999999609   F   F   F
  9.4258475977711988  5.4439981966781241  5.0890161988276219   T   T   T
  9.4428586200199334  7.2563647895590666  7.6844766096533039   T   T   T
  7.8537499999999438  8.1618564180000188  0.0000000000000000   F   F   F
  7.8537500785375070  9.9756022433230278  2.5394499999999609   F   F   F
  7.8635205794914134  8.1644721990422404  5.0818199004913032   T   T   T
  7.8753240902789212  9.9757426915533447  7.6875474394471253   T   T   T
  6.2829999999999746 10.8824752239999647  0.0000000000000000   F   F   F
  6.2830000785375404 12.6962210493229701  2.5394499999999609   F   F   F
  6.3002831750022841 10.8887352173665164  5.0764841024342866   T   T   T
  6.2951624161554509 12.7031201789825392  7.6899291005461947   T   T   T
  0.5144749904648027  8.9074371862707764 11.2183663551113213   T   T   T
  1.8014682733247387  8.8392024935810340 11.4475073910599274   T   T   T
 -0.2362045005405236  8.8328746519532562 12.0173715618103536   T   T   T
  0.1099938718410804  9.0435106758259831 10.1948851290516487   T   T   T
  2.4424215346620786  8.7143409402574097 12.3177406772117219   T   T   T
  3.0852665331084106  9.0195468811150477  9.6415849313759434   T   T   T
### POSCAR for INT4 ###
Mg  C  H Cl
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    15.7074999999999996    0.0000000000000000    0.0000000000000000
    -7.8537499999999998   13.6030940299999994    0.0000000000000000
     0.0000000000000000    0.0000000000000000   35.1578000000000017
 100   2   3   1
Selective dynamics
Cartesian
  0.0000000000000000  0.0000000000000000  0.0000000000000000   F   F   F
  0.0000000785374505  1.8137458253230103  2.5394499999999609   F   F   F
  7.8510738132112392 13.6015309183780300  5.1051019906783370   T   T   T
 -0.0028949739528481  1.8099346035429658  7.7095910777321430   T   T   T
 -1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
 -1.5707499214624598  4.5343646313230481  2.5394499999999609   F   F   F
 14.1327755999678377  2.7198059406144930  5.0960039139967943   T   T   T
 -1.5795598704234242  4.5232025213138662  7.7023914976826218   T   T   T
 -3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
 -3.1414999214624264  7.2549834373229904  2.5394499999999609   F   F   F
 12.5655984752496082  5.4410617148139435  5.0968776113242358   T   T   T
 -3.1552350727713598  7.2527614378006282  7.7023040153560745   T   T   T
 -4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
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 10.9926541872215342  8.1588255776087593  5.0959471185570004   T   T   T
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 -6.2829999214624142 12.6962210493229701  2.5394499999999609   F   F   F
  9.4218686217144167 10.8808661357571754  5.1050947843121230   T   T   T
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 -4.7151049956670974 13.6013467686769829  5.1061324294773618   T   T   T
  3.1372659621314982  1.8135907687131994  7.7076607407721323   T   T   T
  1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
  1.5707500785374719  4.5343646313230481  2.5394499999999609   F   F   F
  1.5682455550346097  2.7183590512805047  5.1049620812072138   T   T   T
  1.5592490632832923  4.5330307534510288  7.7033509371400903   T   T   T
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  0.0000000785375054  7.2549834373229904  2.5394499999999609   F   F   F
 -0.0078802128003894  5.4285248447286909  5.0844825699995262   T   T   T
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 -1.5707499214625162  9.9756022433230278  2.5394499999999609   F   F   F
 -1.5855642458577073  8.1613995108994111  5.0845162046323900   T   T   T
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 -3.1414999214624828 12.6962210493229701  2.5394499999999609   F   F   F
 -3.1446485021753192 10.8810550424921342  5.1047360869405471   T   T   T
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  6.2830000785375404  1.8137458253230103  2.5394499999999609   F   F   F
 -1.5736237707272540 13.6019625312659240  5.1048463784098068   T   T   T
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  4.7100005090032697  2.7185073078915489  5.1048957672107491   T   T   T
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  3.1415000785375513  7.2549834373229904  2.5394499999999609   F   F   F
  3.1391051945279242  5.4267882218962784  5.0859182724533145   T   T   T
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  1.5707500785375297  9.9756022433230278  2.5394499999999609   F   F   F
  1.5684884605092044  8.1604709911234430  5.1454854079741734   T   T   T
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  0.0000000785375631 12.6962210493229701  2.5394499999999609   F   F   F
 -0.0136239091732131 10.8874331371528594  5.0859377628842966   T   T   T
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  9.4245000785374717  1.8137458253230103  2.5394499999999609   F   F   F
  9.4151044720612145  0.0088473654608153  5.0850499538198790   T   T   T
  9.4158441990116000  1.8194731894166531  7.7026234084099059   T   T   T
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  7.8537500785374501  4.5343646313230481  2.5394499999999609   F   F   F
  7.8527581045601842  2.7200694863675281  5.0960570536953265   T   T   T
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  6.2830000785374835  7.2549834373229904  2.5394499999999609   F   F   F
  6.2858171984251818  5.4286405391656407  5.0851763668838226   T   T   T
  6.3214975862109766  7.2275544550146495  7.6531909585327416   T   T   T
  4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
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  4.71225000785374619  9.97560224332302780  2.53944999999999609   F   F   F
  4.70853274450581138  8.16057181332601190  5.14591936161439185   T   T   T
  4.75399815575467330  9.99969381816991290  7.72218705887029970   T   T   T
  3.14150000000000441 10.88247522399961110  0.00000000000000000   F   F   F
  3.14150007853749540 12.69622104932297010  2.53944999999999609   F   F   F
  3.13848577260919364 10.87981362786402610  5.14585641613331910   T   T   T
  3.13705216707215410 12.74316147699362030  7.65324070126043580   T   T   T
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 12.56600000785375168  1.81374582532301030  2.53944999999999609   F   F   F
 12.56995161982880925  0.00852460396688007  5.08506706274465904   T   T   T
 12.56680481968048918  1.81905210730479120  7.70254658369863950   T   T   T
 10.99524999999999329  2.72061880600003780  0.00000000000000000   F   F   F
 10.99525007853749510  4.53436463132304810  2.53944999999999609   F   F   F
 10.99277248682695780  2.71719065921024240  5.09696704259003400   T   T   T
 10.99140046000149700  4.53201799958474180  7.70597429555747028   T   T   T
  9.42449999999999663  5.44123761199998060  0.00000000000000000   F   F   F
  9.42450007853752860  7.25498343732299040  2.53944999999999609   F   F   F
  9.42028688783742040  5.44089349414746994  5.09686569764630369   T   T   T
  9.42968637063520990  7.25279875272765030  7.70242466796068830   T   T   T
  7.85374999999999438  8.16185641800001880  0.00000000000000000   F   F   F
  7.85375007853750070  9.97560224332302780  2.53944999999999609   F   F   F
  7.86319425800824060  8.16093100410641630  5.08513701369601460   T   T   T
  7.85066490583599490  9.96610210369347680  7.70396437361013660   T   T   T
  6.28299999999997730  10.88247522399961110  0.00000000000000000   F   F   F
  6.28300000785375404  12.69622104932297010  2.53944999999999609   F   F   F
  6.29074378754581790  10.88686381981804270  5.08641040849561410   T   T   T
  6.27316177606590930  12.69823696839419290  7.70407979202587014   T   T   T
  1.46645683925291510   8.77440556731348660  16.01986880401357280   T   T   T
  2.63247696641421580   8.72167720094351040  15.42478613987548820   T   T   T
  1.37004048662229290   8.69560560978359650  17.11598843048480950   T   T   T
  0.52695157548732220   8.89949605999639830  15.46665991314525710   T   T   T
  3.68323767900906690   8.61001243313476830  15.68795036704554490   T   T   T
  3.13306520252861360   9.06346747684811760  9.49768125604380840   T   T   T
### POSCAR for INT5 ###
Mg  H  C Cl
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    15.7074999999999960    0.0000000000000000    0.0000000000000000
    -7.8537499999999980   13.6030940299999940    0.0000000000000000
     0.0000000000000000    0.0000000000000000   35.1578000000000170
 100   5   6   1
Selective dynamics
Cartesian
  0.0000000000000000  0.0000000000000000  0.0000000000000000   F   F   F
  0.0000000785374505  1.81374582532301030  2.53944999999999609   F   F   F
  0.0019282550003634  0.00244620950107170  5.10418569333610026   T   T   T
 -0.0001622353087347  1.81536251406959091  7.71404549167520712   T   T   T
 -1.5707500000000219  2.72061880600003780  0.00000000000000000   F   F   F
 -1.5707499214624598  4.53436463132304810  2.53944999999999609   F   F   F
 14.1357145018504102  2.72090019005914520  5.10588197815671570   T   T   T
 -1.5699999036011472  4.53548022449525450  7.71332226958081520   T   T   T
 -3.1414999999999886  5.44123761199998060  0.00000000000000000   F   F   F
 -3.1414999214624264  7.25498343732299040  2.53944999999999609   F   F   F
 -3.1415990665312683  5.44155149505006010  5.10451400265848320   T   T   T
 -3.1402228061874684  7.25578235679933670  7.71331998694302180   T   T   T
 -4.7122500000000107  8.16185641800001880  0.00000000000000000   F   F   F
 -4.7122499214624476  9.97560224332302780  2.53944999999999609   F   F   F
 10.99506842017864370  8.16101341176251440  5.10565214187182640   T   T   T
 -4.7110819331627756  9.97523435424711740  7.71412156839928010   T   T   T
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  3.1415000785374940  1.81374582532301030  2.53944999999999609   F   F   F
  3.1424743049437858  0.00080135239968920  5.10517693020492040   T   T   T
  3.1414128391817515  1.81593294053007210  7.71179723476272990   T   T   T
  1.5707500000000219  2.72061880600003780  0.00000000000000000   F   F   F
  1.5707500785374719  4.53436463132304810  2.53944999999999609   F   F   F
  1.5703353422942516  2.72033196707546580  5.10561256419293930   T   T   T
  1.5704842122699607  4.53763394561157800  7.71326406861756200   T   T   T
  0.0000000000000551  5.44123761199998060  0.00000000000000000   F   F   F
  0.0000000785375054  7.25498343732299040  2.53944999999999609   F   F   F
 -0.0012349478956626  5.43937612081368280  5.10225057128666204   T   T   T
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 -1.5731230100725306  8.16203749771057300  5.10180485989574080   T   T   T
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  4.7130443572982834  2.71994746223755880  5.10554765847760180   T   T   T
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  3.1415000785375513  7.25498343732299040  2.53944999999999609   F   F   F
  3.1413451471477796  5.43363912426433778  5.09340194084873090   T   T   T
  3.1437112692453884  7.24369653375556140  7.67157450802952210   T   T   T
  1.5707499999999666  8.16185641800001880  0.00000000000000000   F   F   F
  1.5707500785375297  9.97560224332302780  2.53944999999999609   F   F   F
  1.5677168553471246  8.15991543575237270  5.09582585856760921   T   T   T
  1.5595583875829613  9.98488091510574450  7.66458401832106960   T   T   T
  0.0000000000000000 10.88247522399961110  0.00000000000000000   F   F   F
  0.0000000785375631 12.69622104932297010  2.53944999999999609   F   F   F
 -0.0075289836060355 10.88657498713840080  5.09151148456716470   T   T   T
  0.0005940447853803 12.69535841387381400  7.71288422279388801   T   T   T
  9.4245000000000214  0.00000000000000000  0.00000000000000000   F   F   F
  9.4245000785374717  1.81374582532301030  2.53944999999999609   F   F   F
  9.4230437370840825  0.00092614963568910  5.10292474373914920   T   T   T
  9.4239947505042654  1.81197496836221480  7.71351923155524720   T   T   T
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  7.8537500785374501  4.53436463132304810  2.53944999999999609   F   F   F
  7.8540550405491327  2.72088020117339410  5.10589514446618510   T   T   T
  7.8519338195821433  4.53517745178181910  7.71326349862586100   T   T   T
  6.2830000000000332  5.44123761199998060  0.00000000000000000   F   F   F
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  6.2833238811791414  5.43946945077621180  5.10220744434408671   T   T   T
  6.2837960037049925  7.25605840135978930  7.70014223075127900   T   T   T
  4.7122500000000107  8.16185641800001880  0.00000000000000000   F   F   F
  4.7122500785374619  9.97560224332302780  2.53944999999999609   F   F   F
  4.7158346585104320  8.15832053509829260  5.08979714177800932   T   T   T
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  3.1425060412055359 12.69589395227047570  7.70284041403589100   T   T   T
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 12.56700196400798220  0.00064971928995920  5.10310444326839900   T   T   T
 12.56612485381399580  1.81251964719085980  7.71321632666646927   T   T   T
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 10.99525007853749510  4.53436463132304810  2.53944999999999609   F   F   F
 10.99470236052223979  2.71977933011665490  5.10519568202111410   T   T   T
 10.99486569187917160  4.53444265385141510  7.71109596604960320   T   T   T
  9.42449999999999663  5.44123761199998060  0.00000000000000000   F   F   F
  9.42450007853752860  7.25498343732299040  2.53944999999999609   F   F   F
  9.42338453204488957  5.44166843707199450  5.10494008177302390   T   T   T
  9.42343575191811045  7.25606765745948990  7.71274646823555837   T   T   T
  7.85374999999999438  8.16185641800001880  0.00000000000000000   F   F   F
  7.85375007853750070  9.97560224332302780  2.53944999999999609   F   F   F
  7.85518832773384951  8.16244482826562030  5.10205973272763841   T   T   T
  7.85629516335525886  9.97712504004185157  7.70959455184226792   T   T   T
  6.28299999999997730  10.88247522399961110  0.00000000000000000   F   F   F
  6.28300007853754040  12.69622104932297010  2.53944999999999609   F   F   F
  6.29277359620028860  10.88829020884248420  5.08756966900045871   T   T   T
  6.28561883679666714  12.69809896171681150  7.71047092247194555   T   T   T
  5.07070787104572760  8.92625317439826030  12.56357177449443953   T   T   T
  4.76098336484697440  8.67268333413970010  15.02927927158379440   T   T   T
  2.46234565516662801  8.54912091711219930  15.99110889140171920   T   T   T
  0.47572229614771990  8.67669954256005480  14.48785670890576860   T   T   T
  0.78923491265475071  8.93068404172036350  12.02225216023872000   T   T   T
  4.07125638887692090  8.87081521625121640  12.99924460660741940   T   T   T
  3.88688192949335486  8.72884552382403280  14.37626211957370080   T   T   T
  2.59869226610234790  8.65932191664481720  14.91362267113234630   T   T   T
  1.48463320523869270  8.73074060332305280  14.07253992660768560   T   T   T
  1.64899913894345930  8.87300597906023650  12.69285945072666520   T   T   T
  2.94420704060506420  8.94172694919652846  12.18252122342593150   T   T   T
  3.16307529246611074  9.11898472645252940  10.44962044841842010   T   T   T
### POSCAR for TS5-6 ###
Mg  H  C Cl
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    15.7074999999999960    0.0000000000000000    0.0000000000000000
    -7.8537499999999980   13.6030940299999940    0.0000000000000000
     0.0000000000000000    0.0000000000000000   35.1578000000000170
 100   5   6   1
Selective dynamics
Cartesian
  0.0000000000000000  0.0000000000000000  0.0000000000000000   F   F   F
  0.0000000785374474  1.81374582532301030  2.53944999999999609   F   F   F
  7.8507796569483226 13.60006355756355670  5.09175353111217064   T   T   T
 -0.0020896582431411  1.81177920457774175  7.68234337823444503   T   T   T
 -1.5707500000000227  2.72061880600003910  0.00000000000000000   F   F   F
 -1.5707499214624598  4.53436463132304810  2.53944999999999609   F   F   F
 14.1346178339738824  2.71994491388118840  5.08012177842277575   T   T   T
 -1.5767835164287576  4.52642845868620374  7.67603119581720780   T   T   T
 -3.1414999999999771  5.44123761199998023  0.00000000000000000   F   F   F
 -3.1414999214624273  7.25498343732299013  2.53944999999999609   F   F   F
 12.56652124048744310  5.44115327954443636  5.08186229650839840   T   T   T
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  1.5699719447792506  2.72081211277046100  5.09134219011101428   T   T   T
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  7.8527933271722503  2.7199003880779329  5.0807843943978703   T   T   T
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  4.7122500785374619  9.9756022433230278  2.5394499999999609   F   F   F
  4.7108001563321427  8.1601745199923830  5.1185864863460511   T   T   T
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  3.1406283654732485 10.8836649106268553  5.1120468626136937   T   T   T
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 10.9952500785374951  4.5343646313230481  2.5394499999999609   F   F   F
 10.9934151530558246  2.7171273877413897  5.0821590179235843   T   T   T
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  9.4215635936721469  5.4408931649631782  5.0814244132212760   T   T   T
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  7.8597419925321512  8.1604646408955350  5.0744820314410788   T   T   T
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  5.6408408352528117  9.4058264600281696 14.2997375026363525   T   T   T
  3.6163672063318888  9.0496381408809281 15.7073360342885913   T   T   T
  1.3914914193931693  8.6883057912989692 14.6470466132522485   T   T   T
  1.1818615127337520  8.6908900832576830 12.1487746049942267   T   T   T
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  4.6650279611699235  9.2506866934830541 13.8303327161491601   T   T   T
  3.5275467146920167  9.0494147735931421 14.6184864865638282   T   T   T
  2.2774896789510288  8.8474044935573719 14.0253125847249294   T   T   T
  2.1533754235601643  8.8470357774247148 12.6265714719521611   T   T   T
  3.3046758632140243  9.0512999574686059 11.8934817850828587   T   T   T
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Mg  H  C Cl
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Selective dynamics
Cartesian
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 -0.0031256497107404  1.8097971947048441  7.7095182664343058   T   T   T
 -1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
 -1.5707499214624598  4.5343646313230481  2.5394499999999609   F   F   F
 14.1326117677860541  2.7196922473282310  5.0959326832983463   T   T   T
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 -3.1414999214624264  7.2549834373229904  2.5394499999999609   F   F   F
 12.5654666304461351  5.4409613029129105  5.0967292811714220   T   T   T
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 -4.7122499214624476  9.9756022433230278  2.5394499999999609   F   F   F
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 -6.2829999214624142 12.6962210493229701  2.5394499999999609   F   F   F
  9.4216288351095052 10.8807498528068578  5.1050286525157036   T   T   T
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  1.5707500785374719  4.5343646313230481  2.5394499999999609   F   F   F
  1.5678823066603740  2.7182938867335564  5.1049438135265843   T   T   T
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  4.7122500785375179  4.5343646313230481  2.5394499999999609   F   F   F
  4.7098142564010459  2.7184342557572223  5.1048664115665998   T   T   T
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  1.5707500785375297  9.9756022433230278  2.5394499999999609   F   F   F
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  6.3212241186601679  7.2274058160011840  7.6532379329916811   T   T   T
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  4.7083204027341283  8.1604672249862009  5.1460361661641478   T   T   T
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  3.1382911780287284 10.8796961689046618  5.1459627202469544   T   T   T
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 10.9952500785374951  4.5343646313230481  2.5394499999999609   F   F   F
 10.9926224199630322  2.7170690333201319  5.0968771298151578   T   T   T
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  9.4245000785375286  7.2549834373229904  2.5394499999999609   F   F   F
  9.4201304303598370  5.4407844360283697  5.0967512540983950   T   T   T
  9.4294532929333172  7.2526359163737801  7.7022778991658072   T   T   T
  7.8537499999999438  8.1618564180000188  0.0000000000000000   F   F   F
  7.8537500785375070  9.9756022433230278  2.5394499999999609   F   F   F
  7.8629758530820615  8.1608048132457753  5.0851280057501738   T   T   T
  7.8504014748449098  9.9659434809655743  7.7039261433423816   T   T   T
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  6.2830000785375404 12.6962210493229701  2.5394499999999609   F   F   F
  6.2905089802722776 10.8867384427796843  5.0864216233605849   T   T   T
  6.2729064051636492 12.6981047640037676  7.7041723359704779   T   T   T
  4.9233646895944521  8.8022391231149353 15.4672585873541211   T   T   T
  4.9215750719844671  8.7858381303621158 17.9748148657510107   T   T   T
  2.7629985678575855  8.8015719453641026 19.2170911956943442   T   T   T
  0.5974596102381424  8.8342228413023367 17.9874103693808181   T   T   T
  0.5813451909136313  8.8510158339288729 15.4799650768075718   T   T   T
  3.9819079140902369  8.8094571457595681 16.0228963352681397   T   T   T
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  1.5260263028397301  8.8366036691607768 16.0300404571659101   T   T   T
  2.7521125403039228  8.8271455574618969 15.4034607541272841   T   T   T
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    15.7074999999999996    0.0000000000000000    0.0000000000000000
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     0.0000000000000000    0.0000000000000000   35.1578000000000017
 100   1   1   3
Selective dynamics
Cartesian
  0.0000000000000000  0.0000000000000000  0.0000000000000000   F   F   F
  0.0000000785374505  1.8137458253230103  2.5394499999999609   F   F   F
  0.0015924044996258  0.0058916794585635  5.0826720640868102   T   T   T
  0.0023172340524276  1.8227648051417582  7.6791254162926945   T   T   T
 -1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
 -1.5707499214624598  4.5343646313230481  2.5394499999999609   F   F   F
 -1.5708790029456063  2.7247441728335815  5.0841358103404861   T   T   T
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 -3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
 -3.1414999214624264  7.2549834373229904  2.5394499999999609   F   F   F
 -3.1408995830151811  5.4448412686850256  5.0832600874089833   T   T   T
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 -6.2829999214624142 12.6962210493229701  2.5394499999999609   F   F   F
 -6.2817135961431356 10.8867873030416131  5.0827652429234647   T   T   T
 -6.2828879409373037 12.7040706475840306  7.6754735128419993   T   T   T
  3.1415000000000437  0.0000000000000000  0.0000000000000000   F   F   F
  3.1415000785374940  1.8137458253230103  2.5394499999999609   F   F   F
  3.1415914666305822  0.0064552390149283  5.0838285564378433   T   T   T
  3.1412211566659458  1.8256014580264039  7.6798579093321298   T   T   T
  1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
  1.5707500785374719  4.5343646313230481  2.5394499999999609   F   F   F
  1.5720513651018206  2.7277365743038966  5.0856801446638551   T   T   T
  1.5683261146627410  4.5452351784899578  7.6633135356694799   T   T   T
  0.0000000000000551  5.4412376119999806  0.0000000000000000   F   F   F
  0.0000000785375054  7.2549834373229904  2.5394499999999609   F   F   F
 -0.0043038172446468  5.4432567964738130  5.0767712899310613   T   T   T
 -0.0101358326331642  7.2622656625344186  7.6617768694979747   T   T   T
 -1.5707499999999670  8.1618564180000188  0.0000000000000000   F   F   F
 -1.5707499214625162  9.9756022433230278  2.5394499999999609   F   F   F
 -1.5727074893792530  8.1666478641383389  5.0824247040412933   T   T   T
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 -1.5709301950805843  9.9826354921551097  7.6774191188834644   T   T   T
 -3.1414999999999336 10.8824752239999611  0.0000000000000000   F   F   F
 -3.1414999214624828 12.6962210493229701  2.5394499999999609   F   F   F
 -3.1426750324012902 10.8868532520315409  5.0828940990848741   T   T   T
 -3.1420142874184984 12.7041249865079884  7.6757040964890342   T   T   T
  6.2829999999999773  0.0000000000000000  0.0000000000000000   F   F   F
  6.2830000785375404  1.8137458253230103  2.5394499999999609   F   F   F
  6.2813243380690933  0.0058352209925537  5.0826865182636656   T   T   T
  6.2802671479480114  1.8228701587534510  7.6791144937636373   T   T   T
  4.7122499999999556  2.7206188060000378  0.0000000000000000   F   F   F
  4.7122500785375179  4.5343646313230481  2.5394499999999609   F   F   F
  4.7109367476055937  2.7276752337046024  5.0855345773746308   T   T   T
  4.7142571492964231  4.5452793649304990  7.6618283626328099   T   T   T
  3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
  3.1415000785375513  7.2549834373229904  2.5394499999999609   F   F   F
  3.1411742886664240  5.4502100325615084  5.0864935791471524   T   T   T
  3.1406273369247648  7.2748763121450235  7.7344835451871417   T   T   T
  1.5707499999999666  8.1618564180000188  0.0000000000000000   F   F   F
  1.5707500785375297  9.9756022433230278  2.5394499999999609   F   F   F
  1.5733967413953511  8.1640197660465379  5.0979789355996248   T   T   T
  1.5600268330297204 10.0078119060611126  7.6408591802066725   T   T   T
  0.0000000000000000 10.8824752239999611  0.0000000000000000   F   F   F
  0.0000000785375631 12.6962210493229701  2.5394499999999609   F   F   F
 -0.0053919934913482 10.8892167616377158  5.0771314087690493   T   T   T
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  9.4245000785374717  1.8137458253230103  2.5394499999999609   F   F   F
  9.4244496728019023  0.0019554328376431  5.0844538469844869   T   T   T
  9.4226250934764888  1.8204542158435744  7.6748784240248913   T   T   T
  7.8537499999999998  2.7206188060000378  0.0000000000000000   F   F   F
  7.8537500785374501  4.5343646313230481  2.5394499999999609   F   F   F
  7.8536979528376030  2.7244398734907587  5.0842376868522292   T   T   T
  7.8523746392939824  4.5418726249432106  7.6798194466073166   T   T   T
  6.2830000000000332  5.4412376119999806  0.0000000000000000   F   F   F
  6.2830000785374835  7.2549834373229904  2.5394499999999609   F   F   F
  6.2870812439121124  5.4429830389257887  5.0762269905413095   T   T   T
  6.2929401482873049  7.2616051674670548  7.6605389889307354   T   T   T
  4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
  4.7122500785374619  9.9756022433230278  2.5394499999999609   F   F   F
  4.7090528694458831  8.1639133454266659  5.0983986926226228   T   T   T
  4.7222868337509318 10.0071889113752146  7.6415301226360013   T   T   T
  3.1415000000000441 10.8824752239999611  0.0000000000000000   F   F   F
  3.1415000785374954 12.6962210493229701  2.5394499999999609   F   F   F
  3.1414371292532230 10.8952207172060707  5.0690383798357095   T   T   T
  3.1414434543002372 12.7068868310860843  7.6825662863281350   T   T   T
 12.5659999999999545  0.0000000000000000  0.0000000000000000   F   F   F
 12.5660000785375168  1.8137458253230103  2.5394499999999609   F   F   F
 12.5658102478792220  0.0020754603755993  5.0843724882635000   T   T   T
 12.5677645125184547  1.8203528370997319  7.6751735511685268   T   T   T
 10.9952499999999329  2.7206188060000378  0.0000000000000000   F   F   F
 10.9952500785374951  4.5343646313230481  2.5394499999999609   F   F   F
 10.9950909139724686  2.7228304695337999  5.0843737198446766   T   T   T
 10.9951657654290571  4.5414349472218944  7.6746777114796751   T   T   T
  9.4244999999999663  5.4412376119999806  0.0000000000000000   F   F   F
  9.4245000785375286  7.2549834373229904  2.5394499999999609   F   F   F
  9.4236881612759156  5.4447641312618158  5.0833532673630417   T   T   T
  9.4256444684765412  7.2612869676880107  7.6783167082092074   T   T   T
  7.8537499999999438  8.1618564180000188  0.0000000000000000   F   F   F
  7.8537500785375070  9.9756022433230278  2.5394499999999609   F   F   F
  7.8555848976901359  8.1664909999891631  5.0821144168700307   T   T   T
  7.8532958233770556  9.9824280936239518  7.6769941962458619   T   T   T
  6.2829999999999773 10.8824752239999611  0.0000000000000000   F   F   F
  6.2830000785375404 12.6962210493229701  2.5394499999999609   F   F   F
  6.2882221805423857 10.8892819605498588  5.0767757364891253   T   T   T
  6.2873450784814233 12.7074943120405237  7.6782815195748508   T   T   T
  3.2216775459340843  6.2408278552303171 11.2397135488007720   T   T   T
  3.1430889561053874  7.8590867114338998 10.4569629736456928   T   T   T
  2.3292196627859325  5.6835378854936529 10.9287112911458735   T   T   T
  3.2435202378867549  6.3995220705219564 12.3230640329306951   T   T   T
  4.1356674449776687  5.7493529599647930 10.8828744194899780   T   T   T
### POSCAR for TS7-8-H ###
Mg  C Cl  H
 1.0000000000000000
    15.7074999999999996    0.0000000000000000    0.0000000000000000
    -7.8537499999999998   13.6030940299999994    0.0000000000000000
     0.0000000000000000    0.0000000000000000   35.1578000000000017
 100   1   1   3
Selective dynamics
Cartesian
  0.0000000000000000  0.0000000000000000  0.0000000000000000   F   F   F
  0.0000000785374474  1.8137458253230103  2.5394499999999609   F   F   F
 -7.8548831474741609 13.6035805745277987  5.0860040688697339   T   T   T
 -0.0001221316685120  1.8152884623524799  7.6797323327288209   T   T   T
 -1.5707500000000227  2.7206188060000391  0.0000000000000000   F   F   F
 -1.5707499214624598  4.5343646313230481  2.5394499999999609   F   F   F
 14.1339713015044381  2.7181778666490581  5.0805941909111549   T   T   T
 -1.5750499605301544  4.5296568348486268  7.6745745774201684   T   T   T
 -3.1414999999999771  5.4412376119999823  0.0000000000000000   F   F   F
 -3.1414999214624273  7.2549834373229913  2.5394499999999609   F   F   F
 12.5659783172552739  5.4417380214805204  5.0807189500916552   T   T   T
 -3.1503499687728813  7.2539859198369996  7.6721790924793511   T   T   T
 -4.7122499999999858  8.1618564180000188  0.0000000000000000   F   F   F
 -4.7122499214624201  9.9756022433230278  2.5394499999999609   F   F   F
 10.9950895496904018  8.1602888716592084  5.0782180920957911   T   T   T
 -4.7142874939717228  9.9756609602416226  7.6722184930910373   T   T   T
 -6.2829999999999551 10.8824752239999647  0.0000000000000000   F   F   F
 -6.2829999214623866 12.6962210493229701  2.5394499999999609   F   F   F
 -6.2850114696704482 10.8824769896282767  5.0848870605919049   T   T   T
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  3.1415000000000437  0.0000000000000000  0.0000000000000000   F   F   F
  3.1415000785374940  1.8137458253230103  2.5394499999999609   F   F   F
 -4.7137179528203967 13.6053057027135367  5.0847738808806184   T   T   T
  3.1393207425304972  1.8196361675581245  7.6779092949001901   T   T   T
  1.5707500000000210  2.7206188060000391  0.0000000000000000   F   F   F
  1.5707500785374719  4.5343646313230481  2.5394499999999609   F   F   F
  1.5690291138433037  2.7210228254087161  5.0877424519138446   T   T   T
  1.5630729284749267  4.5389975480301903  7.6718356443659470   T   T   T
  0.0000000000000560  5.4412376119999823  0.0000000000000000   F   F   F
  0.0000000785375063  7.2549834373229913  2.5394499999999609   F   F   F
 -0.0046810382176550  5.4342195138449876  5.0689187914676799   T   T   T
 -0.0356830242232160  7.2406801077016585  7.6341784487489468   T   T   T
 -1.5707499999999559  8.1618564180000188  0.0000000000000000   F   F   F
 -1.5707499214624905  9.9756022433230278  2.5394499999999609   F   F   F
 -1.5831512143205710  8.1622144767017151  5.0715641643916909   T   T   T
 -1.5745968594106010  9.9717438702452874  7.6756111330491867   T   T   T
 -3.1414999999999251 10.8824752239999647  0.0000000000000000   F   F   F
 -3.1414999214624828 12.6962210493229701  2.5394499999999609   F   F   F
 -3.1421666648808513 10.8829210884143084  5.0838401800053656   T   T   T
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  6.2829999999999666  0.0000000000000000  0.0000000000000000   F   F   F
  6.2830000785375386  1.8137458253230103  2.5394499999999609   F   F   F
  6.2809081279202061  0.0013722273151931  5.0839792275191433   T   T   T
  6.2791026077924208  1.8161587162655632  7.6779340224717441   T   T   T
  4.7122499999999539  2.7206188060000391  0.0000000000000000   F   F   F
  4.7122500785375161  4.5343646313230481  2.5394499999999609   F   F   F
  4.7118176794775541  2.7204988265122325  5.0871383761861839   T   T   T
  4.7170445522804076  4.5400228385680963  7.6701217120736489   T   T   T
  3.1414999999999877  5.4412376119999823  0.0000000000000000   F   F   F
  3.1415000785375486  7.2549834373229913  2.5394499999999609   F   F   F
  3.1408256945553412  5.4277361685976446  5.0635564851686548   T   T   T
  3.1335681016974410  7.2193272908122381  7.6290714687224135   T   T   T
  1.5707499999999666  8.1618564180000188  0.0000000000000000   F   F   F
  1.5707500785375297  9.9756022433230278  2.5394499999999609   F   F   F
  1.5655085366379780  8.1665268017951220  5.1091795741608781   T   T   T
  1.5361331329934744 10.0073794025692084  7.6756526523394291   T   T   T
 -0.0000000000000009 10.8824752239999647  0.0000000000000000   F   F   F
  0.0000000785375631 12.6962210493229701  2.5394499999999609   F   F   F
 -0.0075767697865778 10.8887390150795085  5.0765688136165439   T   T   T
 -0.0076956715049699 12.7042045894565003  7.6766449630743683   T   T   T
  9.4245000000000090  0.0000000000000000  0.0000000000000000   F   F   F
  9.4245000785374380  1.8137458253230103  2.5394499999999609   F   F   F
  1.5690857335695849 13.5995400498089865  5.0820067268119873   T   T   T
  9.4206640748659254  1.8152865070610580  7.6725562645873664   T   T   T
  7.8537499999999865  2.7206188060000391  0.0000000000000000   F   F   F
  7.8537500785374164  4.5343646313230481  2.5394499999999609   F   F   F
  7.8545729389456422  2.7174575694094574  5.0810191477012445   T   T   T
  7.8566066373093637  4.5289455261629579  7.6764614036044074   T   T   T
  6.2830000000000190  5.4412376119999823  0.0000000000000000   F   F   F
  6.2830000785374827  7.2549834373229913  2.5394499999999609   F   F   F
  6.2867473837172678  5.4316496035482364  5.0659760877914923   T   T   T
  6.3217365580732769  7.2355704141042745  7.6217276473488136   T   T   T
  4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
  4.7122500785374619  9.9756022433230278  2.5394499999999609   F   F   F
  4.7146225328177982  8.1659902986678752  5.1145083014382129   T   T   T
  4.7355364026319720 10.0018579008625945  7.6889120644653106   T   T   T
  3.1415000000000415 10.8824752239999647  0.0000000000000000   F   F   F
  3.1415000785374954 12.6962210493229701  2.5394499999999609   F   F   F
  3.1411142247452561 10.8818799716953034  5.0958460044098333   T   T   T
  1.3393565461977628 12.7099713564171477  7.6701961433579369   T   T   T
 12.5659999999999332  0.0000000000000000  0.0000000000000000   F   F   F
 12.5660000785373605  1.8137458253230103  2.5394499999999609   F   F   F
  4.7123219989497134 13.5998903875005723  5.0811478158097101   T   T   T
 12.5673335854737314  1.8141333296125499  7.6724430123277916   T   T   T
 10.9952499999992348  2.7206188060000391  0.0000000000000000   F   F   F
 10.9952500785374951  4.5343646313230481  2.5394499999999609   F   F   F
 10.9943859197734071  2.7156981681448666  5.0829404824637079   T   T   T
 10.9940776516967809  4.5329070793376660  7.6731995678208058   T   T   T
  9.4244999999999646  5.4412376119999823  0.0000000000000000   F   F   F
  9.4245000785375268  7.2549834373229913  2.5394499999999609   F   F   F
  9.4227354509518939  5.4415952880914213  5.0809435189385201   T   T   T
  9.4323583634942345  7.2533857551456000  7.6730341942855924   T   T   T
  7.8537499999999438  8.1618564180000188  0.0000000000000000   F   F   F
  7.8537500785375070  9.9756022433230278  2.5394499999999609   F   F   F
  7.8669850914800446  8.1620242856532822  5.0685383942247739   T   T   T
  7.8510549089313217  9.9685898017006096  7.6751120651060756   T   T   T
  6.2829999999999746 10.8824752239999647  0.0000000000000000   F   F   F
  6.2830000785375404 12.6962210493229701  2.5394499999999609   F   F   F
  6.2873641547048509 10.8870593600644785  5.0776656470976489   T   T   T
  6.2839722158774602 12.7006725402738780  7.6780919751236096   T   T   T
  3.4568247997387136  7.1664350804880614 11.1433107979132355   T   T   T
  3.2005674554274419  8.7893292745903757  9.6914165548513544   T   T   T
  2.6262461596214628  6.5173229869753291 10.8536129442087486   T   T   T
  3.3622934353597200  7.6879895874062765 12.0968865590708204   T   T   T
  4.4547135485135101  6.8151212132659564 10.8691000303724028   T   T   T
### POSCAR for INT8 ###
Mg  C Cl  H
 1.0000000000000000
    15.7074999999999996    0.0000000000000000    0.0000000000000000
    -7.8537499999999998   13.6030940299999994    0.0000000000000000
     0.0000000000000000    0.0000000000000000   35.1578000000000017
 100   1   1   3
Selective dynamics
Cartesian
  0.0000000000000000  0.0000000000000000  0.0000000000000000   F   F   F
  0.0000000785374505  1.8137458253230103  2.5394499999999609   F   F   F
  0.0010201306482184  0.0080393993007786  5.0970000689731103   T   T   T
  0.0170391137344286  1.8330071949182962  7.6889857754639594   T   T   T
 -1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
 -1.5707499214624598  4.5343646313230481  2.5394499999999609   F   F   F
 -1.5656245153250163  2.7284228398945558  5.0848371214633108   T   T   T
 -1.5566202345100548  4.5375183927251097  7.6874386895477294   T   T   T
 -3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
 -3.1414999214624264  7.2549834373229904  2.5394499999999609   F   F   F
 -3.1320849268867024  5.4465822320642285  5.0878116332304915   T   T   T
 -3.1575234079327039  7.2619768616497966  7.6696656769117526   T   T   T
 -4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
 -4.7122499214624476  9.9756022433230278  2.5394499999999609   F   F   F
 -4.7119041947653715  8.1617298103234071  5.0707390168872575   T   T   T
 -4.7117898389081354  9.9828089860814675  7.6655221158326761   T   T   T
 -6.2829999999999773 10.8824752239999611  0.0000000000000000   F   F   F
 -6.2829999214624142 12.6962210493229701  2.5394499999999609   F   F   F
  9.4231913435311974 10.8837620180675216  5.0786765019183999   T   T   T
 -6.2867743219798298 12.6936609558396452  7.6752252803016585   T   T   T
  3.1415000000000437  0.0000000000000000  0.0000000000000000   F   F   F
  3.1415000785374940  1.8137458253230103  2.5394499999999609   F   F   F
 -4.7118868367701161 13.5926097189237129  5.0769009332640307   T   T   T
  3.1419220873402010  1.7680938773315762  7.6233575242018729   T   T   T
  1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
  1.5707500785374719  4.5343646313230481  2.5394499999999609   F   F   F
  1.5775863600982314  2.7267480516307447  5.0860943690076734   T   T   T
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  1.5898862912539511  4.5550833532160970  7.6534890055225722   T   T   T
  0.0000000000000551  5.4412376119999806  0.0000000000000000   F   F   F
  0.0000000785375054  7.2549834373229904  2.5394499999999609   F   F   F
  0.0014213870645547  5.4388687296342493  5.0739261959583084   T   T   T
 -0.0807716064942765  7.2619161989522141  7.5968411290895919   T   T   T
 -1.5707499999999670  8.1618564180000188  0.0000000000000000   F   F   F
 -1.5707499214625162  9.9756022433230278  2.5394499999999609   F   F   F
 -1.5889357847174446  8.1719571465545879  5.0605248235910514   T   T   T
 -1.5778317218173212  9.9816279453392660  7.6779766707760428   T   T   T
 -3.1414999999999336 10.8824752239999611  0.0000000000000000   F   F   F
 -3.1414999214624828 12.6962210493229701  2.5394499999999609   F   F   F
 -3.1394838500964015 10.8837588666469376  5.0788516004825333   T   T   T
 -3.1368581976700520 12.6936411233611448  7.6751508175919501   T   T   T
  6.2829999999999773  0.0000000000000000  0.0000000000000000   F   F   F
  6.2830000785375404  1.8137458253230103  2.5394499999999609   F   F   F
  6.2825244616044014  0.0082810503182507  5.0970400550166088   T   T   T
  6.2664591604414861  1.8330151520096007  7.6890436818336152   T   T   T
  4.7122499999999556  2.7206188060000378  0.0000000000000000   F   F   F
  4.7122500785375179  4.5343646313230481  2.5394499999999609   F   F   F
  4.7059458823625056  2.7270343286666594  5.0860073261112575   T   T   T
  4.6941092029836824  4.5555934508928617  7.6535161387696498   T   T   T
  3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
  3.1415000785375513  7.2549834373229904  2.5394499999999609   F   F   F
  3.1416827316553180  5.4382035055214013  5.0484911836317528   T   T   T
  3.1415422001184652  7.1861799066915601  7.7249847114048036   T   T   T
  1.5707499999999666  8.1618564180000188  0.0000000000000000   F   F   F
  1.5707500785375297  9.9756022433230278  2.5394499999999609   F   F   F
  1.5759136520241999  8.1594189549817173  5.1503588485050242   T   T   T
  1.5191213771788439 10.0055787908317058  7.7137386052196799   T   T   T
  0.0000000000000000 10.8824752239999611  0.0000000000000000   F   F   F
  0.0000000785375631 12.6962210493229701  2.5394499999999609   F   F   F
 -0.0056488206017749 10.8876985687437031  5.0806463033815854   T   T   T
  0.0068942630660880 12.7112661101727848  7.6838168278896006   T   T   T
  9.4245000000000214  0.0000000000000000  0.0000000000000000   F   F   F
  9.4245000785374717  1.8137458253230103  2.5394499999999609   F   F   F
  9.4205046230521070  0.0131655974634582  5.0723679741108150   T   T   T
  9.4139344040868060  1.8342268859827466  7.6688529494770705   T   T   T
  7.8537499999999998  2.7206188060000378  0.0000000000000000   F   F   F
  7.8537500785374501  4.5343646313230481  2.5394499999999609   F   F   F
  7.8489433983234491  2.7282458752652938  5.0851638283244025   T   T   T
  7.8404264609882599  4.5377272034066367  7.6874319439415268   T   T   T
  6.2830000000000332  5.4412376119999806  0.0000000000000000   F   F   F
  6.2830000785374835  7.2549834373229904  2.5394499999999609   F   F   F
  6.2819930771181927  5.4389408616590380  5.0739980060003909   T   T   T
  6.3647992145070713  7.2622535655528875  7.5967745359361158   T   T   T
  4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
  4.7122500785374619  9.9756022433230278  2.5394499999999609   F   F   F
  4.7073094544314014  8.1594118606408248  5.1505111032543969   T   T   T
  4.7642843932016321 10.0058145455308818  7.7138906139210146   T   T   T
  3.1415000000000441 10.8824752239999611  0.0000000000000000   F   F   F
  3.1415000785374954 12.6962210493229701  2.5394499999999609   F   F   F
  3.1414921772874953 10.8814434604304893  5.1426400080801375   T   T   T
  3.1417393356613035 12.7524108815210191  7.6362838159497715   T   T   T
 12.5659999999999545  0.0000000000000000  0.0000000000000000   F   F   F
 12.5660000785375168  1.8137458253230103  2.5394499999999609   F   F   F
 12.5703097263651831  0.0132257426753787  5.0723787710617829   T   T   T
 12.5773075287211338  1.8342384322448730  7.6690602022899350   T   T   T
 10.9952499999999329  2.7206188060000378  0.0000000000000000   F   F   F
 10.9952500785374951  4.5343646313230481  2.5394499999999609   F   F   F
 10.9953568069953853  2.7193948605885638  5.0785244697782774   T   T   T
 10.9957359332934708  4.5390327550656231  7.6803903491617813   T   T   T
  9.4244999999999663  5.4412376119999806  0.0000000000000000   F   F   F
  9.4245000785375286  7.2549834373229904  2.5394499999999609   F   F   F
  9.4155005072862039  5.4465578189022503  5.0879962250611594   T   T   T
  9.4413638873718497  7.2620518085874348  7.6696929075157483   T   T   T
  7.8537499999999438  8.1618564180000188  0.0000000000000000   F   F   F
  7.8537500785375070  9.9756022433230278  2.5394499999999609   F   F   F
  7.8726115436282900  8.1721631708276412  5.0605228677647531   T   T   T
  7.8614174507385961  9.9820110068999668  7.6779619962866974   T   T   T
  6.2829999999999773 10.8824752239999611  0.0000000000000000   F   F   F
  6.2830000785375404 12.6962210493229701  2.5394499999999609   F   F   F
  6.2889318508814158 10.8875661422551726  5.0803639498427247   T   T   T
  6.2766649039399027 12.7112608177744999  7.6839668345505672   T   T   T
  3.1424927115165260  5.4086517245417696  9.3386502677215795   T   T   T
  3.1419652210466511  9.0978044897502421  9.4910107538496451   T   T   T
  2.2800428068517280  4.8760993805241037  9.7976480824460292   T   T   T
  4.0161679796998744  4.8959309229104893  9.7987869983138811   T   T   T
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### POSCAR for INT9 ###
Mg  C  H Cl
 1.0000000000000000
    15.7074999999999996    0.0000000000000000    0.0000000000000000
    -7.8537499999999998   13.6030940299999994    0.0000000000000000
     0.0000000000000000    0.0000000000000000   35.1578000000000017
 100   2   3   1
Selective dynamics
Cartesian
  0.0000000000000000  0.0000000000000000  0.0000000000000000   F   F   F
  0.0000000785374505  1.8137458253230103  2.5394499999999609   F   F   F
  7.8517063666898421 13.5994006594317369  5.0880761716109619   T   T   T
 -0.0002130693905298  1.8109378647621921  7.6859386824987830   T   T   T
 -1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
 -1.5707499214624598  4.5343646313230481  2.5394499999999609   F   F   F
 14.1375298732065300  2.7188884559266131  5.0894357504733296   T   T   T
 -1.5689369675708975  4.5324300350156204  7.6849006550489714   T   T   T
 -3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
 -3.1414999214624264  7.2549834373229904  2.5394499999999609   F   F   F
 12.5657641410301419  5.4397478761981022  5.0889331192379919   T   T   T
 -3.1423691024541198  7.2524984522810199  7.6859216640944581   T   T   T
 -4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
 -4.7122499214624476  9.9756022433230278  2.5394499999999609   F   F   F
 10.9930911544941665  8.1598010184735994  5.0884927484894975   T   T   T
 -4.7141786748108361  9.9716645219511637  7.6841864926238479   T   T   T
 -6.2829999999999773 10.8824752239999611  0.0000000000000000   F   F   F
 -6.2829999214624142 12.6962210493229701  2.5394499999999609   F   F   F
  9.4224535011590334 10.8797151236865748  5.0889362921791497   T   T   T
 -6.2855340334379095 12.6937821668120367  7.6820345239754557   T   T   T
  3.1415000000000437  0.0000000000000000  0.0000000000000000   F   F   F
  3.1415000785374940  1.8137458253230103  2.5394499999999609   F   F   F
 -4.7127762085845415 13.5991078920519772  5.0881950559879945   T   T   T
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  3.1392253600267974  1.8153100943187868  7.6828212661341801   T   T   T
  1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
  1.5707500785374719  4.5343646313230481  2.5394499999999609   F   F   F
  1.5691099326152043  2.7087378574791354  5.0742724347035528   T   T   T
  1.5642526412114033  4.5210337168643777  7.6312953100949654   T   T   T
  0.0000000000000551  5.4412376119999806  0.0000000000000000   F   F   F
  0.0000000785375054  7.2549834373229904  2.5394499999999609   F   F   F
 -0.0060604255950847  5.4383504105450529  5.0733401647047911   T   T   T
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 -1.5707499999999670  8.1618564180000188  0.0000000000000000   F   F   F
 -1.5707499214625162  9.9756022433230278  2.5394499999999609   F   F   F
 -1.5755605492859672  8.1624817102922069  5.0825338384570466   T   T   T
 -1.5717928414966558  9.9699247943278220  7.6883595648170724   T   T   T
 -3.1414999999999336 10.8824752239999611  0.0000000000000000   F   F   F
 -3.1414999214624828 12.6962210493229701  2.5394499999999609   F   F   F
 -3.1422091301385309 10.8803722419223696  5.0881170958326392   T   T   T
 -3.1422624141488376 12.6933690812365167  7.6832860365472824   T   T   T
  6.2829999999999773  0.0000000000000000  0.0000000000000000   F   F   F
  6.2830000785375404  1.8137458253230103  2.5394499999999609   F   F   F
 -1.5697788369373509 13.5996356226562263  5.0886598863727723   T   T   T
  6.2817083223914976  1.8093680797542688  7.6841138992590485   T   T   T
  4.7122499999999556  2.7206188060000378  0.0000000000000000   F   F   F
  4.7122500785375179  4.5343646313230481  2.5394499999999609   F   F   F
  4.7126436188803815  2.7132312856484537  5.0817380069110385   T   T   T
  4.7148261575881936  4.5244488071407813  7.6549105123990575   T   T   T
  3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
  3.1415000785375513  7.2549834373229904  2.5394499999999609   F   F   F
  3.1424963839352946  5.4355105328207554  5.0777822588455761   T   T   T
  3.1366125500636137  7.2396045820777175  7.6435850232716609   T   T   T
  1.5707499999999666  8.1618564180000188  0.0000000000000000   F   F   F
  1.5707500785375297  9.9756022433230278  2.5394499999999609   F   F   F
  1.5682981251818813  8.1626188383375080  5.0781541898355025   T   T   T
  1.5662440468467009  9.9644747834996164  7.6844567773167824   T   T   T
  0.0000000000000000 10.8824752239999611  0.0000000000000000   F   F   F
  0.0000000785375631 12.6962210493229701  2.5394499999999609   F   F   F
 -0.0008382789139700 10.8797854916450678  5.0896474080898129   T   T   T
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  9.4245000000000214  0.0000000000000000  0.0000000000000000   F   F   F
  9.4245000785374717  1.8137458253230103  2.5394499999999609   F   F   F
  1.5704950498159933 13.5993116100794484  5.0900803399690711   T   T   T
  9.4232494631021577  1.8081799942913612  7.6822886126982244   T   T   T
  7.8537499999999998  2.7206188060000378  0.0000000000000000   F   F   F
  7.8537500785374501  4.5343646313230481  2.5394499999999609   F   F   F
  7.8527548431341927  2.7189030652504607  5.0877602143885925   T   T   T
  7.8501199037097971  4.5308886957710950  7.6846658553554006   T   T   T
  6.2830000000000332  5.4412376119999806  0.0000000000000000   F   F   F
  6.2830000785374835  7.2549834373229904  2.5394499999999609   F   F   F
  6.2860493033936482  5.4389812965052640  5.0811367977329178   T   T   T
  6.2741913609594642  7.2459407939688596  7.6814279455089158   T   T   T
  4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
  4.7122500785374619  9.9756022433230278  2.5394499999999609   F   F   F
  4.7155781123603973  8.1621097226739696  5.0786511915188743   T   T   T
  4.7108374033937608  9.9653868849696856  7.6822577876116682   T   T   T
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  3.1415000785374954 12.6962210493229701  2.5394499999999609   F   F   F
  3.1398393910970448 10.8787733677477245  5.0890888450914238   T   T   T
  3.1399500002207121 12.6844424136476306  7.6885969682839761   T   T   T
 12.5659999999999545  0.0000000000000000  0.0000000000000000   F   F   F
 12.5660000785375168  1.8137458253230103  2.5394499999999609   F   F   F
  4.7106330112009482 13.5994413179359981  5.0909370667055516   T   T   T
 12.5665903177988252  1.8089610476430353  7.6839981067824228   T   T   T
 10.9952499999999329  2.7206188060000378  0.0000000000000000   F   F   F
 10.9952500785374951  4.5343646313230481  2.5394499999999609   F   F   F
 10.9951749224185491  2.7187239313301172  5.0880381784220221   T   T   T
 10.9946958826883137  4.5310129466099438  7.6816611316677381   T   T   T
  9.4244999999999663  5.4412376119999806  0.0000000000000000   F   F   F
  9.4245000785375286  7.2549834373229904  2.5394499999999609   F   F   F
  9.4238793733985577  5.4385468409992974  5.0881719732230826   T   T   T
  9.4200774408811263  7.2510281072438429  7.6849741580107995   T   T   T
  7.8537499999999438  8.1618564180000188  0.0000000000000000   F   F   F
  7.8537500785375070  9.9756022433230278  2.5394499999999609   F   F   F
  7.8512674690597493  8.1595938403333150  5.0896842639380981   T   T   T
  7.8480550796752917  9.9692667688597467  7.6859588118541167   T   T   T
  6.2829999999999773 10.8824752239999611  0.0000000000000000   F   F   F
  6.2830000785375404 12.6962210493229701  2.5394499999999609   F   F   F
  6.2820373559245057 10.8807935164734104  5.0876300011880771   T   T   T
  6.2807519390418340 12.6902204449871867  7.6872727624530954   T   T   T
  1.9445954406568875  6.0001481274130422 10.7604702390266471   T   T   T
  3.0645300166500746  6.7187251443545719 10.8875647019737620   T   T   T
  2.0188559824862597  4.9134833689308905 10.6567539642619593   T   T   T
  0.9487439835209326  6.4462485742338682 10.7921583365088214   T   T   T
  4.0706603463121116  6.2947166114338406 10.8597064703704262   T   T   T
  3.0610765888339833  8.4383456733591018 11.0619540704193557   T   T   T
### POSCAR for TS9-10-H ###
Mg  C  H Cl
 1.0000000000000000
    15.7074999999999996    0.0000000000000000    0.0000000000000000
    -7.8537499999999998   13.6030940299999994    0.0000000000000000
     0.0000000000000000    0.0000000000000000   35.1578000000000017
 100   2   3   1
Selective dynamics
Cartesian
  0.0000000000000000  0.0000000000000000  0.0000000000000000   F   F   F
  0.0000000785374474  1.8137458253230103  2.5394500034680880   F   F   F
  7.8531342919570539 13.5949184680805626  5.0783686141267497   T   T   T
 -0.0058331477019928  1.7956231103134319  7.6722830381962552   T   T   T
 -1.5707500000000227  2.7206188060000391  0.0000000000000000   F   F   F
 -1.5707499214624598  4.5343646313230481  2.5394500034680880   F   F   F
 14.1330394020501231  2.7116251461567384  5.0815960929249346   T   T   T
 -1.5790549485113867  4.5193235040697290  7.6733212803567419   T   T   T
 -3.1414999999999771  5.4412376119999823  0.0000000000000000   F   F   F
 -3.1414999214624273  7.2549834373229913  2.5394500034680880   F   F   F
 12.5628149547855532  5.4350231783914946  5.0777143609250981   T   T   T
 -3.1515595224118131  7.2437305276022403  7.6689535705404239   T   T   T
 -4.7122499999999858  8.1618564180000188  0.0000000000000000   F   F   F
 -4.7122499214624201  9.9756022433230278  2.5394500034680880   F   F   F
 10.9877203192457120  8.1514391853312986  5.0793389751578095   T   T   T
 -4.7188019375299248  9.9628892811341263  7.6746160504662102   T   T   T
 -6.2829999999999551 10.8824752239999647  0.0000000000000000   F   F   F
 -6.2829999214623866 12.6962210493229701  2.5394500034680880   F   F   F
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  9.4180132887292096 10.8734534757593888  5.0825546339241008   T   T   T
 -6.2885450850372209 12.6812794951248637  7.6676412455015530   T   T   T
  3.1415000000000437  0.0000000000000000  0.0000000000000000   F   F   F
  3.1415000785374940  1.8137458253230103  2.5394500034680880   F   F   F
 -4.7151467098607975 13.5921273817183152  5.0778432948070247   T   T   T
  3.1356786963400500  1.7955899303237908  7.6655708116274077   T   T   T
  1.5707500000000210  2.7206188060000391  0.0000000000000000   F   F   F
  1.5707500785374719  4.5343646313230481  2.5394500034680880   F   F   F
  1.5695450144884882  2.7043670510181408  5.0737603066357986   T   T   T
  1.5515641794716784  4.4899763839270408  7.6498847824692389   T   T   T
  0.0000000000000560  5.4412376119999823  0.0000000000000000   F   F   F
  0.0000000785375063  7.2549834373229913  2.5394500034680880   F   F   F
 -0.0065734778729216  5.4268050322401749  5.0680801006080678   T   T   T
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 -1.5707499999999559  8.1618564180000188  0.0000000000000000   F   F   F
 -1.5707499214624905  9.9756022433230278  2.5394500034680880   F   F   F
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 -3.1414999214624828 12.6962210493229701  2.5394500034680880   F   F   F
 -3.1440405446332376 10.8738602075114219  5.0828668101551111   T   T   T
 -3.1470416552493061 12.6813771325453928  7.6693320467527029   T   T   T
  6.2829999999999666  0.0000000000000000  0.0000000000000000   F   F   F
  6.2830000785375386  1.8137458253230103  2.5394500034680880   F   F   F
 -1.5747812921233866 13.5957890712964069  5.0795009638646791   T   T   T
  6.2770122223460874  1.7991517539328308  7.6703758051866111   T   T   T
  4.7122499999999539  2.7206188060000391  0.0000000000000000   F   F   F
  4.7122500785375161  4.5343646313230481  2.5394500034680880   F   F   F
  4.7082018434332653  2.7090711987219973  5.0787185987195809   T   T   T
  4.7105567865626945  4.4993174572722028  7.6685552473462861   T   T   T
  3.1414999999999877  5.4412376119999823  0.0000000000000000   F   F   F
  3.1415000785375486  7.2549834373229913  2.5394500034680880   F   F   F
  3.1381048348672480  5.4166150578935568  5.0758736311269192   T   T   T
  3.1164726096328925  7.1484832157815834  7.7146052137101018   T   T   T
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  1.5707500785375297  9.9756022433230278  2.5394500034680880   F   F   F
  1.5763445757540975  8.1550674142693627  5.1188645956065644   T   T   T
  1.5095517116543204  9.9847035341539829  7.6550373282096809   T   T   T
 -0.0000000000000009 10.8824752239999647  0.0000000000000000   F   F   F
  0.0000000785375631 12.6962210493229701  2.5394500034680880   F   F   F
 -0.0131038442122264 10.8822907830863933  5.0703896872119341   T   T   T
 -0.0137303873348191 12.6912000786844334  7.6700430304591123   T   T   T
  9.4245000000000090  0.0000000000000000  0.0000000000000000   F   F   F
  9.4245000785374380  1.8137458253230103  2.5394500034680880   F   F   F
  1.5655965791939108 13.5983893389871699  5.0826050826564240   T   T   T
  9.4163046200115197  1.8057641743279067  7.6721893824299556   T   T   T
  7.8537499999999865  2.7206188060000391  0.0000000000000000   F   F   F
  7.8537500785374164  4.5343646313230481  2.5394500034680880   F   F   F
  7.8514838792350714  2.7144926661108074  5.0810532786025613   T   T   T
  7.8475863490930919  4.5199287190236284  7.6744424608554844   T   T   T
  6.2830000000000190  5.4412376119999823  0.0000000000000000   F   F   F
  6.2830000785374827  7.2549834373229913  2.5394500034680880   F   F   F
  6.2808004859252780  5.4281433206342742  5.0777653999295937   T   T   T
  6.2803959567240071  7.2202741393329068  7.6627424346388633   T   T   T
  4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
  4.7122500785374619  9.9756022433230278  2.5394500034680880   F   F   F
  4.6994277852110677  8.1507799192831563  5.1202185001405702   T   T   T
  4.7595401335449665  9.9759345039342353  7.6545090340944411   T   T   T
  3.1415000000000415 10.8824752239999647  0.0000000000000000   F   F   F
  3.1415000785374954 12.6962210493229701  2.5394500034680880   F   F   F
  3.1371187827242579 10.8830940708360906  5.1079495177919956   T   T   T
  3.1338746051282174 12.7087446942027569  7.6826578607754357   T   T   T
 12.5659999999999332  0.0000000000000000  0.0000000000000000   F   F   F
 12.5660000785373605  1.8137458253230103  2.5394500034680880   F   F   F
  4.7105785589412230 13.5964877123901910  5.0834191303789202   T   T   T
 12.5613070016626445  1.8039839497720156  7.6743434286233772   T   T   T
 10.9952499999972524  2.7206188060000391  0.0000000000000000   F   F   F
 10.9952500785374951  4.5343646313230481  2.5394500034680880   F   F   F
 10.9914463253131469  2.7146166971910368  5.0823221777026415   T   T   T
 10.9881960621105890  4.5246061910754687  7.6682305290239032   T   T   T
  9.4244999999999646  5.4412376119999823  0.0000000000000000   F   F   F
  9.4245000785375268  7.2549834373229913  2.5394500034680880   F   F   F
  9.4204593879174681  5.4332588962481507  5.0775389836692817   T   T   T
  9.4154612287210213  7.2407449454261634  7.6717055536556185   T   T   T
  7.8537499999999438  8.1618564180000188  0.0000000000000000   F   F   F
  7.8537500785375070  9.9756022433230278  2.5394500034680880   F   F   F
  7.8450024377216767  8.1541637587027989  5.0861178787704899   T   T   T
  7.8513706179583105  9.9599042505154429  7.6778492548067891   T   T   T
  6.2829999999999746 10.8824752239999647  0.0000000000000000   F   F   F
  6.2830000785375404 12.6962210493229701  2.5394500034680880   F   F   F
  6.2881135490506646 10.8808172929225968  5.0709661258668683   T   T   T
  6.2866943619879772 12.6917269008346860  7.6656933267067808   T   T   T
  2.2446884096378561  7.0644552884615859 10.4353295294709447   T   T   T
  3.3195371730976841  7.8490456968412063 10.4937744958173091   T   T   T
  2.3241689268979009  5.9687200711358344 10.5283511781111017   T   T   T
  1.2255223661831467  7.4675048673861468 10.3823797003053198   T   T   T
  4.3844372027430900  7.6032200576060527 10.5365906644441871   T   T   T
  3.1568028365657135  9.8264823081954038  9.6777700910600011   T   T   T
### POSCAR for INT10 ###
Mg  C  H Cl
 1.0000000000000000
    15.7074999999999996    0.0000000000000000    0.0000000000000000
    -7.8537499999999998   13.6030940299999994    0.0000000000000000
     0.0000000000000000    0.0000000000000000   35.1578000000000017
 100   2   3   1
Selective dynamics
Cartesian
  0.0000000000000000  0.0000000000000000  0.0000000000000000   F   F   F
  0.0000000785374505  1.8137458253230103  2.5394499999999609   F   F   F
 -0.0005013447999992  0.0022029162317359  5.0888271233274205   T   T   T
  0.0001407594997818  1.8099731468587421  7.6785558834370207   T   T   T
 -1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
 -1.5707499214624598  4.5343646313230481  2.5394499999999609   F   F   F
 -1.5713031697997828  2.7216001353910744  5.0775551386925990   T   T   T
 -1.5748829762773113  4.5280894223435872  7.6755201903801016   T   T   T
 -3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
 -3.1414999214624264  7.2549834373229904  2.5394499999999609   F   F   F
 -3.1332344439702120  5.4441859791121390  5.0816865956663984   T   T   T
 -3.1582363574369481  7.2576356876276054  7.6647051016998597   T   T   T
 -4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
 -4.7122499214624476  9.9756022433230278  2.5394499999999609   F   F   F
 10.9931760509336929  8.1596628952196237  5.0698371720183371   T   T   T
 -4.7108086661153568  9.9803625691677844  7.6627674890775062   T   T   T
 -6.2829999999999773 10.8824752239999611  0.0000000000000000   F   F   F
 -6.2829999214624142 12.6962210493229701  2.5394499999999609   F   F   F
  9.4233822039579884 10.8796922979951471  5.0768933192124415   T   T   T
 -6.2870265525091300 12.6897916328073173  7.6708001829447854   T   T   T
  3.1415000000000437  0.0000000000000000  0.0000000000000000   F   F   F
  3.1415000785374940  1.8137458253230103  2.5394499999999609   F   F   F
 -4.7125366788997169 13.5915454730781473  5.0780540444441362   T   T   T
  3.1394360758717417  1.7710154061998098  7.6336163335181109   T   T   T
  1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
  1.5707500785374719  4.5343646313230481  2.5394499999999609   F   F   F
  1.5732769685357377  2.7185598186064919  5.0843372587427940   T   T   T
  1.5477798321689016  4.5018653381444311  7.6746126951734253   T   T   T
  0.0000000000000551  5.4412376119999806  0.0000000000000000   F   F   F
  0.0000000785375054  7.2549834373229904  2.5394499999999609   F   F   F
 -0.0015078881698360  5.4290206250623356  5.0721970968040226   T   T   T
 -0.0887086890539388  7.2607605053840141  7.5528914327850396   T   T   T
 -1.5707499999999670  8.1618564180000188  0.0000000000000000   F   F   F
 -1.5707499214625162  9.9756022433230278  2.5394499999999609   F   F   F
 -1.5930228081563436  8.1714710291874049  5.0510186593675233   T   T   T
 -1.5788372224573113  9.9774223706325191  7.6722931440272921   T   T   T
 -3.1414999999999336 10.8824752239999611  0.0000000000000000   F   F   F
 -3.1414999214624828 12.6962210493229701  2.5394499999999609   F   F   F
 -3.1405567787794295 10.8824812292841351  5.0789841424624695   T   T   T
 -3.1376561458755594 12.6943323297075068  7.6723989623286011   T   T   T
  6.2829999999999773  0.0000000000000000  0.0000000000000000   F   F   F
  6.2830000785375404  1.8137458253230103  2.5394499999999609   F   F   F
  6.2824367119975850  0.0045003972534816  5.0927943510845877   T   T   T
  6.2657790447808654  1.8286238687919252  7.6796235464509213   T   T   T
  4.7122499999999556  2.7206188060000378  0.0000000000000000   F   F   F
  4.7122500785375179  4.5343646313230481  2.5394499999999609   F   F   F
  4.7048154865902267  2.7202481451570706  5.0751391409066020   T   T   T
  4.6975057713455932  4.5618676482817451  7.6073093749099261   T   T   T
  3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
  3.1415000785375513  7.2549834373229904  2.5394499999999609   F   F   F
  3.1293136225264062  5.4348403096775550  5.0475655754772504   T   T   T
  3.1876557198445843  7.1894892750731350  7.7865355404168222   T   T   T
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  1.5707500785375297  9.9756022433230278  2.5394499999999609   F   F   F
  1.5878322444657513  8.1530661879322484  5.1563039146138872   T   T   T
  1.5199361849363786  9.9989415990791723  7.7087910043515890   T   T   T
  0.0000000000000000 10.8824752239999611  0.0000000000000000   F   F   F
  0.0000000785375631 12.6962210493229701  2.5394499999999609   F   F   F
 -0.0039010541366036 10.8800450414188870  5.0778638878917489   T   T   T
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  9.4245000000000214  0.0000000000000000  0.0000000000000000   F   F   F
  9.4245000785374717  1.8137458253230103  2.5394499999999609   F   F   F
  9.4198121877831795  0.0102461443553898  5.0679129851128932   T   T   T
  9.4107104497066185  1.8288301173778527  7.6630008004569365   T   T   T
  7.8537499999999998  2.7206188060000378  0.0000000000000000   F   F   F
  7.8537500785374501  4.5343646313230481  2.5394499999999609   F   F   F
  7.8466326584489972  2.7257929878091542  5.0813570730664273   T   T   T
  7.8436875287364991  4.5305927499269396  7.6780026818572464   T   T   T
  6.2830000000000332  5.4412376119999806  0.0000000000000000   F   F   F
  6.2830000785374835  7.2549834373229904  2.5394499999999609   F   F   F
  6.2818000161825545  5.4407345614828397  5.0666121345989348   T   T   T
  6.3716781465656673  7.2566790052003816  7.6100709351887765   T   T   T
  4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
  4.7122500785374619  9.9756022433230278  2.5394499999999609   F   F   F
  4.7084697412096190  8.1504333653590493  5.1594561358409008   T   T   T
  4.7672895098629882 10.0092488843875387  7.7070796188803898   T   T   T
  3.1415000000000441 10.8824752239999611  0.0000000000000000   F   F   F
  3.1415000785374954 12.6962210493229701  2.5394499999999609   F   F   F
  3.1428729383216911 10.8784459304862544  5.1388599498564247   T   T   T
  3.1382746392408665 12.7513517941070642  7.6268242321839681   T   T   T
 12.5659999999999545  0.0000000000000000  0.0000000000000000   F   F   F
 12.5660000785375168  1.8137458253230103  2.5394499999999609   F   F   F
 12.5691257834720869  0.0098057558958738  5.0676377287570178   T   T   T
 12.5680996747554055  1.8265698229405676  7.6652546670676118   T   T   T
 10.9952499999999329  2.7206188060000378  0.0000000000000000   F   F   F
 10.9952500785374951  4.5343646313230481  2.5394499999999609   F   F   F
 10.9933628237551299  2.7152633122834713  5.0749563487974623   T   T   T
 10.9932195080198536  4.5336288340248707  7.6733624971070968   T   T   T
  9.4244999999999663  5.4412376119999806  0.0000000000000000   F   F   F
  9.4245000785375286  7.2549834373229904  2.5394499999999609   F   F   F
  9.4159262742626311  5.4437660102116663  5.0835853173343386   T   T   T
  9.4435765692742191  7.2564311005943427  7.6668355895930489   T   T   T
  7.8537499999999438  8.1618564180000188  0.0000000000000000   F   F   F
  7.8537500785375070  9.9756022433230278  2.5394499999999609   F   F   F
  7.8709887887179173  8.1686051727562727  5.0618199008791347   T   T   T
  7.8640861117019023  9.9791064313614868  7.6709292500220378   T   T   T
  6.2829999999999773 10.8824752239999611  0.0000000000000000   F   F   F
  6.2830000785375404 12.6962210493229701  2.5394499999999609   F   F   F
  6.2893745518320943 10.8835214771323034  5.0753723768635375   T   T   T
  6.2745926675425938 12.7061288179196463  7.6742177470025208   T   T   T
  2.2069562961636566  5.6619673851563546 10.1309115211317557   T   T   T
  3.1690073157088494  5.3491398672402291  9.2149969821101507   T   T   T
  2.2260304149179295  5.3151459978790472 11.1723557867463636   T   T   T
  1.3441416942910442  6.3000898802821528  9.8766815099977912   T   T   T
  3.9496991612609404  4.7209504755774416  9.7028432231739732   T   T   T
  3.1435677562090492  9.1290869128462759  9.4885735368252941   T   T   T
### POSCAR for INT11 ###
Mg  H  C Cl
 1.0000000000000000
    15.7074999999999996    0.0000000000000000    0.0000000000000000
    -7.8537499999999998   13.6030940299999994    0.0000000000000000
     0.0000000000000000    0.0000000000000000   35.1578000000000017
 100   5   6   1
Selective dynamics
Cartesian
  0.0000000000000000  0.0000000000000000  0.0000000000000000   F   F   F
  0.0000000785374505  1.8137458253230103  2.5394499999999609   F   F   F
  0.0016239442685865  0.0005225216446615  5.0904109560465978   T   T   T
  0.0046586149135370  1.8174258977664177  7.6779014893630277   T   T   T
 -1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
 -1.5707499214624598  4.5343646313230481  2.5394499999999609   F   F   F
 14.1352485609107852  2.7206954868577049  5.0868034477942334   T   T   T
 -1.5649250341572285  4.5367446941034961  7.6840652207982343   T   T   T
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 -3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
 -3.1414999214624264  7.2549834373229904  2.5394499999999609   F   F   F
 -3.1409500134462522  5.4414063311975553  5.0904919441239658   T   T   T
 -3.1391557692057264  7.2539581339476191  7.6852750436217176   T   T   T
 -4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
 -4.7122499214624476  9.9756022433230278  2.5394499999999609   F   F   F
 -4.7119952685296349  8.1614896864176725  5.0881355600907635   T   T   T
 -4.7120266228489633  9.9770512319205888  7.6800972309850284   T   T   T
 -6.2829999999999773 10.8824752239999611  0.0000000000000000   F   F   F
 -6.2829999214624142 12.6962210493229701  2.5394499999999609   F   F   F
  9.4249697842987779 10.8809917699634564  5.0859481848686610   T   T   T
 -6.2819982540518016 12.6985329077892786  7.6854110997391860   T   T   T
  3.1415000000000437  0.0000000000000000  0.0000000000000000   F   F   F
  3.1415000785374940  1.8137458253230103  2.5394499999999609   F   F   F
 -4.7120302454152299 13.5928068283807715  5.0747678414098996   T   T   T
  3.1415786940766388  1.8015189579746791  7.6192173293721961   T   T   T
  1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
  1.5707500785374719  4.5343646313230481  2.5394499999999609   F   F   F
  1.5660255536403185  2.7191236367399232  5.0736247773954473   T   T   T
  1.5660292458280787  4.5394881106837293  7.6531157651003099   T   T   T
  0.0000000000000551  5.4412376119999806  0.0000000000000000   F   F   F
  0.0000000785375054  7.2549834373229904  2.5394499999999609   F   F   F
 -0.0037206387394666  5.4436658159789069  5.0782018297829703   T   T   T
 -0.0031012686888330  7.2588224124388052  7.6587416273013869   T   T   T
 -1.5707499999999670  8.1618564180000188  0.0000000000000000   F   F   F
 -1.5707499214625162  9.9756022433230278  2.5394499999999609   F   F   F
 -1.5746687712629255  8.1638387749098076  5.0841204434949203   T   T   T
 -1.5698289692339360  9.9757856236683899  7.6861420085542207   T   T   T
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 -3.1414999214624828 12.6962210493229701  2.5394499999999609   F   F   F
 -3.1413620262578035 10.8810269172542409  5.0860855172322994   T   T   T
 -3.1421329085733127 12.6984518543518359  7.6851727349023840   T   T   T
  6.2829999999999773  0.0000000000000000  0.0000000000000000   F   F   F
  6.2830000785375404  1.8137458253230103  2.5394499999999609   F   F   F
  6.2816237212338564  0.0004885069179784  5.0903507611013872   T   T   T
  6.2787251089436218  1.8171641795529589  7.6774174430328159   T   T   T
  4.7122499999999556  2.7206188060000378  0.0000000000000000   F   F   F
  4.7122500785375179  4.5343646313230481  2.5394499999999609   F   F   F
  4.7171967373721628  2.7191960290122799  5.0738878897714335   T   T   T
  4.7174308077639733  4.5395826021259067  7.6533093378577401   T   T   T
  3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
  3.1415000785375513  7.2549834373229904  2.5394499999999609   F   F   F
  3.1416143647667099  5.4394537946052308  5.0765286998032115   T   T   T
  3.1415971275417833  7.2598329637640298  7.6258054594487898   T   T   T
  1.5707499999999666  8.1618564180000188  0.0000000000000000   F   F   F
  1.5707500785375297  9.9756022433230278  2.5394499999999609   F   F   F
  1.5667865885095607  8.1659423610485273  5.0762859442508885   T   T   T
  1.5678003073396747  9.9722434288819919  7.6845269709887587   T   T   T
  0.0000000000000000 10.8824752239999611  0.0000000000000000   F   F   F
  0.0000000785375631 12.6962210493229701  2.5394499999999609   F   F   F
 -0.0007296554494971 10.8832752636494270  5.0893445649316513   T   T   T
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  9.4245000000000214  0.0000000000000000  0.0000000000000000   F   F   F
  9.4245000785374717  1.8137458253230103  2.5394499999999609   F   F   F
  1.5711902659386086 13.6023131643478887  5.0900273045554716   T   T   T
  9.4217747459563661  1.8150920805878812  7.6828728251466343   T   T   T
  7.8537499999999998  2.7206188060000378  0.0000000000000000   F   F   F
  7.8537500785374501  4.5343646313230481  2.5394499999999609   F   F   F
  7.8553080281951084  2.7204794848851717  5.0868241022389595   T   T   T
  7.8485081210087593  4.5366657506982397  7.6835598641045380   T   T   T
  6.2830000000000332  5.4412376119999806  0.0000000000000000   F   F   F
  6.2830000785374835  7.2549834373229904  2.5394499999999609   F   F   F
  6.2868203826315856  5.4436117025102977  5.0782146216541868   T   T   T
  6.2867232506262880  7.2590686745053326  7.6580633917384207   T   T   T
  4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
  4.7122500785374619  9.9756022433230278  2.5394499999999609   F   F   F
  4.7164146173353831  8.1659764121410845  5.0760430323961989   T   T   T
  4.7154679647779449  9.9723381283118826  7.6840802469410523   T   T   T
  3.1415000000000441 10.8824752239999611  0.0000000000000000   F   F   F
  3.1415000785374954 12.6962210493229701  2.5394499999999609   F   F   F
  3.1413836084632498 10.8817457882162110  5.0889037604089973   T   T   T
  3.1415894073567090 12.6913370768114557  7.6856298200854436   T   T   T
 12.5659999999999545  0.0000000000000000  0.0000000000000000   F   F   F
 12.5660000785375168  1.8137458253230103  2.5394499999999609   F   F   F
  4.7116633577626397 13.6023662110182570  5.0899992863195127   T   T   T
 12.5692857789860035  1.8151718072736385  7.6830141569112973   T   T   T
 10.9952499999999329  2.7206188060000378  0.0000000000000000   F   F   F
 10.9952500785374951  4.5343646313230481  2.5394499999999609   F   F   F
 10.9951587950716299  2.7195652186634596  5.0886379031438356   T   T   T
 10.9956308740576123  4.5349161770108486  7.6865482734047834   T   T   T
  9.4244999999999663  5.4412376119999806  0.0000000000000000   F   F   F
  9.4245000785375286  7.2549834373229904  2.5394499999999609   F   F   F
  9.4241707972575348  5.4413388227333330  5.0904877414143526   T   T   T
  9.4228362260048470  7.2540370331124358  7.6849466843834788   T   T   T
  7.8537499999999438  8.1618564180000188  0.0000000000000000   F   F   F
  7.8537500785375070  9.9756022433230278  2.5394499999999609   F   F   F
  7.8581037812057568  8.1637993040853942  5.0837683025430342   T   T   T
  7.8531513918023688  9.9760504384994686  7.6857493408699860   T   T   T
  6.2829999999999773 10.8824752239999611  0.0000000000000000   F   F   F
  6.2830000785375404 12.6962210493229701  2.5394499999999609   F   F   F
  6.2838369221034176 10.8832231539880908  5.0891278092095416   T   T   T
  6.2846940084519227 12.6965773813263851  7.6867966934886320   T   T   T
  5.3077064817762434  6.3715166070120413 10.9308622690795421   T   T   T
  5.3148482516427551  3.8835347184396047 10.7345807563117805   T   T   T
  3.1567080041261682  2.6295657046404157 10.6473844778557716   T   T   T
  0.9928203486904668  3.8735044321631364 10.7364862014039399   T   T   T
  0.9885352102180227  6.3615052852069383 10.9326378625708927   T   T   T
  4.3684785541586759  5.8167067626684243 10.8875826763895365   T   T   T
  4.3635102011075109  4.4213055506244876 10.7778095654335022   T   T   T
  3.1542190364005012  3.7198574667515705 10.7278884547110014   T   T   T
  1.9415847254554555  4.4157060241754422 10.7789554168362613   T   T   T
  1.9303135697176552  5.8110521314955097 10.8887119615287453   T   T   T
  3.1478172483803921  6.4954481297142648 10.9583151538664705   T   T   T
  3.1439096826722963  8.2240049823335806 11.0984465630275526   T   T   T
### POSCAR for TS11-12-H ###
Mg  H  C Cl
 1.0000000000000000
    15.7074999999999996    0.0000000000000000    0.0000000000000000
    -7.8537499999999998   13.6030940299999994    0.0000000000000000
     0.0000000000000000    0.0000000000000000   35.1578000000000017
 100   5   6   1
Selective dynamics
Cartesian
  0.0000000000000000  0.0000000000000000  0.0000000000000000   F   F   F
  0.0000000785374474  1.8137458253230103  2.5394500034680880   F   F   F
 -7.8555379438100692 13.6003382273908713  5.0888495202585338   T   T   T
  0.0005459372680487  1.8089640459254908  7.6874232847759902   T   T   T
 -1.5707500000000227  2.7206188060000391  0.0000000000000000   F   F   F
 -1.5707499214624598  4.5343646313230481  2.5394500034680880   F   F   F
 14.1333236377153657  2.7134172663389844  5.0893161683397024   T   T   T
 -1.5671203803485687  4.5278797231975441  7.6805351750909248   T   T   T
 -3.1414999999999771  5.4412376119999823  0.0000000000000000   F   F   F
 -3.1414999214624273  7.2549834373229913  2.5394500034680880   F   F   F
 12.5650551759784683  5.4379302790492074  5.0850955676285317   T   T   T
 -3.1427637375441364  7.2473353353255465  7.6745056079159211   T   T   T
 -4.7122499999999858  8.1618564180000188  0.0000000000000000   F   F   F
 -4.7122499214624201  9.9756022433230278  2.5394500034680880   F   F   F
 10.9929945490091701  8.1532226922645634  5.0818792487371933   T   T   T
 -4.7146498790278475  9.9666025290668774  7.6772477234437382   T   T   T
 -6.2829999999999551 10.8824752239999647  0.0000000000000000   F   F   F
 -6.2829999214623866 12.6962210493229701  2.5394500034680880   F   F   F
 -6.2856069477339682 10.8781657243307013  5.0851209264266259   T   T   T
 -6.2855724843244856 12.6881296735692342  7.6741536779387323   T   T   T
  3.1415000000000437  0.0000000000000000  0.0000000000000000   F   F   F
  3.1415000785374940  1.8137458253230103  2.5394500034680880   F   F   F
 -4.7138955627293111 13.5975572043919097  5.0818964228221066   T   T   T
  3.1376574772234336  1.8038909411941932  7.6670602134871020   T   T   T
  1.5707500000000210  2.7206188060000391  0.0000000000000000   F   F   F
  1.5707500785374719  4.5343646313230481  2.5394500034680880   F   F   F
  1.5683240898667345  2.7054261304117588  5.0758886495181459   T   T   T
  1.5641880742015366  4.5124552655496597  7.6604600176606867   T   T   T
  0.0000000000000560  5.4412376119999823  0.0000000000000000   F   F   F
  0.0000000785375063  7.2549834373229913  2.5394500034680880   F   F   F
 -0.0011738793768705  5.4275129492332885  5.0664864192788581   T   T   T
 -0.0263351252802462  7.2379343202412256  7.5893820477081837   T   T   T
 -1.5707499999999559  8.1618564180000188  0.0000000000000000   F   F   F
 -1.5707499214624905  9.9756022433230278  2.5394500034680880   F   F   F
 -1.5873020989914992  8.1625314898894530  5.0631308180199976   T   T   T
 -1.5753475242595583  9.9615301359259281  7.6805730106182821   T   T   T
 -3.1414999999999251 10.8824752239999647  0.0000000000000000   F   F   F
 -3.1414999214624828 12.6962210493229701  2.5394500034680880   F   F   F
 -3.1428243280703390 10.8784253941568014  5.0850557900183597   T   T   T
 -3.1449914849046987 12.6878049760060438  7.6743828083596108   T   T   T
  6.2829999999999666  0.0000000000000000  0.0000000000000000   F   F   F
  6.2830000785375386  1.8137458253230103  2.5394500034680880   F   F   F
 -1.5718057799565601 13.6006038557298847  5.0892575048248041   T   T   T
  6.2753422227559783  1.8088128293111476  7.6878068658087333   T   T   T
  4.7122499999999539  2.7206188060000391  0.0000000000000000   F   F   F
  4.7122500785375161  4.5343646313230481  2.5394500034680880   F   F   F
  4.7113953330497447  2.7070396699492605  5.0773048070353477   T   T   T
  4.7095504947186537  4.5146584569856305  7.6640032236940918   T   T   T
  3.1414999999999877  5.4412376119999823  0.0000000000000000   F   F   F
  3.1415000785375486  7.2549834373229913  2.5394500034680880   F   F   F
  3.1399676851201783  5.4074032560812961  5.0510428781957648   T   T   T
  3.1408639492442063  7.1757356222698361  7.5693283893869001   T   T   T
  1.5707499999999666  8.1618564180000188  0.0000000000000000   F   F   F
  1.5707500785375297  9.9756022433230278  2.5394500034680880   F   F   F
  1.5674841378036817  8.1675869421151432  5.0884336883310857   T   T   T
  1.5269673090968681  9.9738814210405131  7.6827482397623932   T   T   T
 -0.0000000000000009 10.8824752239999647  0.0000000000000000   F   F   F
  0.0000000785375631 12.6962210493229701  2.5394500034680880   F   F   F
 -0.0093779283431541 10.8841155614487093  5.0773631939592097   T   T   T
 -0.0084972850859506 12.6872949482686721  7.6791067295863575   T   T   T
  9.4245000000000090  0.0000000000000000  0.0000000000000000   F   F   F
  9.4245000785374380  1.8137458253230103  2.5394500034680880   F   F   F
  9.4242063816097392 -0.0081925049902160  5.0932419341229220   T   T   T
  9.4194576836192034  1.8049191929926631  7.6789870051263609   T   T   T
  7.8537499999999865  2.7206188060000391  0.0000000000000000   F   F   F
  7.8537500785374164  4.5343646313230481  2.5394500034680880   F   F   F
  7.8528437763241028  2.7147509725243246  5.0905177225524962   T   T   T
  7.8428477242575383  4.5283349918162052  7.6846931030653165   T   T   T
  6.2830000000000190  5.4412376119999823  0.0000000000000000   F   F   F
  6.2830000785374827  7.2549834373229913  2.5394500034680880   F   F   F
  6.2798885233011355  5.4304524624378674  5.0720394102672337   T   T   T
  6.2983229082737084  7.2397049395845308  7.6152762291735234   T   T   T
  4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
  4.7122500785374619  9.9756022433230278  2.5394500034680880   F   F   F
  4.7143537543223379  8.1675826766506798  5.0905881738070038   T   T   T
  4.7464904956851104  9.9713353233606608  7.6933815197030313   T   T   T
  3.1415000000000415 10.8824752239999647  0.0000000000000000   F   F   F
  3.1415000785374954 12.6962210493229701  2.5394500034680880   F   F   F
  3.1404736229700925 10.8797982480806361  5.1129723540180361   T   T   T
  3.1389947300498005 12.6859748455830115  7.7034188492859563   T   T   T
 12.5659999999999332  0.0000000000000000  0.0000000000000000   F   F   F
 12.5660000785374564  1.8137458253230103  2.5394500034680880   F   F   F
 12.5624230924073821 -0.0082396122417091  5.0941203111920830   T   T   T
 12.5651890947634879  1.8052708114957425  7.6800764271891895   T   T   T
 10.9952499999997944  2.7206188060000391  0.0000000000000000   F   F   F
 10.9952500785374951  4.5343646313230481  2.5394500034680880   F   F   F
 10.9930941270486375  2.7151795517673771  5.0870265728032855   T   T   T
 10.9930381433647835  4.5262801265049841  7.6763442031920075   T   T   T
  9.4244999999999646  5.4412376119999823  0.0000000000000000   F   F   F
  9.4245000785375268  7.2549834373229913  2.5394500034680880   F   F   F
  9.4215736738624489  5.4370312188319607  5.0861280874550765   T   T   T
  9.4218484387211827  7.2476595092437730  7.6738406853339693   T   T   T
  7.8537499999999438  8.1618564180000188  0.0000000000000000   F   F   F
  7.8537500785375070  9.9756022433230278  2.5394500034680880   F   F   F
  7.8630225997623038  8.1607485326220175  5.0708087854641573   T   T   T
  7.8522959408408743  9.9628822105139001  7.6821537906588064   T   T   T
  6.2829999999999746 10.8824752239999647  0.0000000000000000   F   F   F
  6.2830000785375404 12.6962210493229701  2.5394500034680880   F   F   F
  6.2881416986874799 10.8837379919492712  5.0801117132767546   T   T   T
  6.2852671987735489 12.6875944825177971  7.6798508803890160   T   T   T
  5.1696790756137778  7.2953859782285395 10.6029914350524468   T   T   T
  5.0516158460865039  4.8489357331483918 11.1202872506135684   T   T   T
  2.8347385078025238  3.7189247630943973 11.3015934036262742   T   T   T
  0.7295680484046576  5.0204077839059522 10.9799152468663035   T   T   T
  0.8404107925992363  7.4696232257754138 10.4725656127719073   T   T   T
  4.2002045457146711  6.7939153970347128 10.6915706236402972   T   T   T
  4.1284712941769071  5.4201985885706785 10.9806386931636002   T   T   T
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  2.8843236186758343  4.7883194128270414 11.0827868250186476   T   T   T
  1.7026393068384325  5.5158433890039715 10.9036105230772762   T   T   T
  1.7599920339503647  6.8908345108212945 10.6169466226358722   T   T   T
  3.0087213790200478  7.4834029530543633 10.5372981124725058   T   T   T
  3.1005714345278994  9.4666479492073403  9.7366491463395146   T   T   T
### POSCAR for INT12 ###
Mg  H  C Cl
 1.0000000000000000
    15.7074999999999996    0.0000000000000000    0.0000000000000000
    -7.8537499999999998   13.6030940299999994    0.0000000000000000
     0.0000000000000000    0.0000000000000000   35.1578000000000017
 100   5   6   1
Selective dynamics
Cartesian
  0.0000000000000000  0.0000000000000000  0.0000000000000000   F   F   F
  0.0000000785374505  1.8137458253230103  2.5394499999999609   F   F   F
  7.8527163514268317 13.5953104653988603  5.0963094856100497   T   T   T
  0.0000748921735489  1.8018012548395279  7.6818443393280580   T   T   T
 -1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
 -1.5707499214624598  4.5343646313230481  2.5394499999999609   F   F   F
 -1.5685371085674269  2.7174914265504748  5.0829836807327649   T   T   T
 -1.5846905892490271  4.5261614514942741  7.6632334748025830   T   T   T
 -3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
 -3.1414999214624264  7.2549834373229904  2.5394499999999609   F   F   F
 -3.1406239055878329  5.4453610568065267  5.0867447159022516   T   T   T
 -3.1586452304872106  7.2557737006870289  7.6848762792778063   T   T   T
 -4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
 -4.7122499214624476  9.9756022433230278  2.5394499999999609   F   F   F
 10.9954489380251843  8.1605584052843803  5.0798696612772938   T   T   T
 -4.7119977427632431  9.9771417539390530  7.6900483363390304   T   T   T
 -6.2829999999999773 10.8824752239999611  0.0000000000000000   F   F   F
 -6.2829999214624142 12.6962210493229701  2.5394499999999609   F   F   F
  9.4258361128504760 10.8799948117926295  5.0900901852325706   T   T   T
 -6.2849814246317450 12.6907695735197805  7.6958846887606560   T   T   T
  3.1415000000000437  0.0000000000000000  0.0000000000000000   F   F   F
  3.1415000785374940  1.8137458253230103  2.5394499999999609   F   F   F
 -4.7118897401389654 13.5830503723015301  5.0885868939435843   T   T   T
  3.1418815422501707  1.7678943197766011  7.6528202002047747   T   T   T
  1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
  1.5707500785374719  4.5343646313230481  2.5394499999999609   F   F   F
  1.5728386881455731  2.6956549601555979  5.0707262981739980   T   T   T
  1.5487884446338454  4.4887231164780417  7.5975134717368942   T   T   T
  0.0000000000000551  5.4412376119999806  0.0000000000000000   F   F   F
  0.0000000785375054  7.2549834373229904  2.5394499999999609   F   F   F
 -0.0086098884836128  5.4329923474192334  5.0676044906632010   T   T   T
 -0.0953644829276756  7.2674127805093303  7.5628910717036177   T   T   T
 -1.5707499999999670  8.1618564180000188  0.0000000000000000   F   F   F
 -1.5707499214625162  9.9756022433230278  2.5394499999999609   F   F   F
 -1.5972618971919572  8.1729428437698388  5.0573537901299783   T   T   T
 -1.5851035072281707  9.9779255964175508  7.6892978215870649   T   T   T
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 -3.1414999214624828 12.6962210493229701  2.5394499999999609   F   F   F
 -3.1422689696079718 10.8799517658720255  5.0901039497374265   T   T   T
 -3.1390467105073876 12.6905035303822977  7.6958571002002012   T   T   T
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  6.2830000785375404  1.8137458253230103  2.5394499999999609   F   F   F
 -1.5693389908874638 13.5953207027574710  5.0963374004174282   T   T   T
  6.2835570792346163  1.8015532371165344  7.6818781764876007   T   T   T
  4.7122499999999556  2.7206188060000378  0.0000000000000000   F   F   F
  4.7122500785375179  4.5343646313230481  2.5394499999999609   F   F   F
  4.7107159473823703  2.6957217391435413  5.0708590069496209   T   T   T
  4.7351619681092547  4.4884187144141743  7.5983113054906468   T   T   T
  3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
  3.1415000785375513  7.2549834373229904  2.5394499999999609   F   F   F
  3.1418460925493941  5.4352676889418152  5.1032877768882665   T   T   T
  3.1406544759484625  7.2300953042053715  7.9113855705567406   T   T   T
  1.5707499999999666  8.1618564180000188  0.0000000000000000   F   F   F
  1.5707500785375297  9.9756022433230278  2.5394499999999609   F   F   F
  1.5872647081932216  8.1543514693251886  5.1712687965587030   T   T   T
  1.5097159597005083 10.0064466971921746  7.7160435245929309   T   T   T
  0.0000000000000000 10.8824752239999611  0.0000000000000000   F   F   F
  0.0000000785375631 12.6962210493229701  2.5394499999999609   F   F   F
 -0.0067251149409140 10.8799139851283400  5.0843785718035912   T   T   T
  0.0053362745409924 12.7029248598906808  7.6905895093416889   T   T   T
  9.4245000000000214  0.0000000000000000  0.0000000000000000   F   F   F
  9.4245000785374717  1.8137458253230103  2.5394499999999609   F   F   F
  9.4185765591847606  0.0123639810100883  5.0787121833880224   T   T   T
  9.4182930371082687  1.8246707185473634  7.6956141162969649   T   T   T
  7.8537499999999998  2.7206188060000378  0.0000000000000000   F   F   F
  7.8537500785374501  4.5343646313230481  2.5394499999999609   F   F   F
  7.8518356394152695  2.7175485026428681  5.0832835247903807   T   T   T
  7.8683372595819385  4.5262446518051309  7.6632488047897551   T   T   T
  6.2830000000000332  5.4412376119999806  0.0000000000000000   F   F   F
  6.2830000785374835  7.2549834373229904  2.5394499999999609   F   F   F
  6.2918230781293207  5.4329875846794407  5.0676270546219735   T   T   T
  6.3785385067634630  7.2676439520722935  7.5625101357670852   T   T   T
  4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
  4.7122500785374619  9.9756022433230278  2.5394499999999609   F   F   F
  4.6955244703591896  8.1543793664293052  5.1713496411819930   T   T   T
  4.7730205057126573 10.0064008919490455  7.7161031776671889   T   T   T
  3.1415000000000441 10.8824752239999611  0.0000000000000000   F   F   F
  3.1415000785374954 12.6962210493229701  2.5394499999999609   F   F   F
  3.1413414160774584 10.8847024252441322  5.1451663884043128   T   T   T
  3.1416835294084899 12.7582169970880877  7.6379217665289438   T   T   T
 12.5659999999999545  0.0000000000000000  0.0000000000000000   F   F   F
 12.5660000785375168  1.8137458253230103  2.5394499999999609   F   F   F
 12.5720387887116392  0.0122974471997219  5.0785476789514039   T   T   T
 12.5729765008843959  1.8245332826199088  7.6954639112264527   T   T   T
 10.9952499999999329  2.7206188060000378  0.0000000000000000   F   F   F
 10.9952500785374951  4.5343646313230481  2.5394499999999609   F   F   F
 10.9952770915619489  2.7146379944449626  5.0924989764467581   T   T   T
 10.9956406678081962  4.5328775403714321  7.6958327784464595   T   T   T
  9.4244999999999663  5.4412376119999806  0.0000000000000000   F   F   F
  9.4245000785375286  7.2549834373229904  2.5394499999999609   F   F   F
  9.4238792048228479  5.4453475575061647  5.0868649363212635   T   T   T
  9.4422492802713673  7.2558859556925110  7.6849329040785666   T   T   T
  7.8537499999999438  8.1618564180000188  0.0000000000000000   F   F   F
  7.8537500785375070  9.9756022433230278  2.5394499999999609   F   F   F
  7.8805870531138877  8.1729855910814475  5.0573131691056457   T   T   T
  7.8685146840419771  9.9782038971176998  7.6892306849595915   T   T   T
  6.2829999999999773 10.8824752239999611  0.0000000000000000   F   F   F
  6.2830000785375404 12.6962210493229701  2.5394499999999609   F   F   F
  6.2898539999159562 10.8796563581140724  5.0842072495935593   T   T   T
  6.2781247707904662 12.7029960797390515  7.6906231348826752   T   T   T
  5.3062150396321259  5.5305761973915866  9.7430456045458502   T   T   T
  5.3024577512516773  3.6984684053900718 11.3640037048654605   T   T   T
  3.1470361550644701  2.7098669775445066 12.1662209959188399   T   T   T
  0.9871818107216148  3.6879158623926220 11.3628922309813465   T   T   T
  0.9754300368771278  5.5207667994020735  9.7427310165608745   T   T   T
  4.3320784382400461  5.0992810416583652 10.0320731895003714   T   T   T
  4.3470439378906001  4.0717434267037484 10.9845344811906838   T   T   T
  3.1450824829550439  3.5264021891194703 11.4409364764362262   T   T   T
  1.9411450001855544  4.0659487376502979 10.9840492944598829   T   T   T
  1.9513117252712124  5.0938421727161378 10.0318403090839698   T   T   T
  3.1406683038647398  5.6254723321165452  9.4626944232187569   T   T   T
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### POSCAR for INT7 ###
Mg  C Cl  H
 1.0000000000000000
    15.7074999999999996    0.0000000000000000    0.0000000000000000
    -7.8537499999999998   13.6030940299999994    0.0000000000000000
     0.0000000000000000    0.0000000000000000   35.1578000000000017
 100   1   1   3
Selective dynamics
Cartesian
  0.0000000000000000  0.0000000000000000  0.0000000000000000   F   F   F
  0.0000000785374505  1.8137458253230103  2.5394499999999609   F   F   F
  0.0015924044996258  0.0058916794585635  5.0826720640868102   T   T   T
  0.0023172340524276  1.8227648051417582  7.6791254162926945   T   T   T
 -1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
 -1.5707499214624598  4.5343646313230481  2.5394499999999609   F   F   F
 -1.5708790029456063  2.7247441728335815  5.0841358103404861   T   T   T
 -1.5697092763597831  4.5418504574044913  7.6798297743469126   T   T   T
 -3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
 -3.1414999214624264  7.2549834373229904  2.5394499999999609   F   F   F
 -3.1408995830151811  5.4448412686850256  5.0832600874089833   T   T   T
 -3.1427050044369533  7.2612901476757967  7.6784649828971929   T   T   T
 -4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
 -4.7122499214624476  9.9756022433230278  2.5394499999999609   F   F   F
 -4.7122682694109841  8.1649260909100914  5.0832883456842701   T   T   T
 -4.7124522339133375  9.9806334794077056  7.6754218651133428   T   T   T
 -6.2829999999999773 10.8824752239999611  0.0000000000000000   F   F   F
 -6.2829999214624142 12.6962210493229701  2.5394499999999609   F   F   F
 -6.2817135961431356 10.8867873030416131  5.0827652429234647   T   T   T
 -6.2828879409373037 12.7040706475840306  7.6754735128419993   T   T   T
  3.1415000000000437  0.0000000000000000  0.0000000000000000   F   F   F
  3.1415000785374940  1.8137458253230103  2.5394499999999609   F   F   F
  3.1415914666305822  0.0064552390149283  5.0838258564378433   T   T   T
  3.1412211566659458  1.8256014580264039  7.6798579093321298   T   T   T
  1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
  1.5707500785374719  4.5343646313230481  2.5394499999999609   F   F   F
  1.5720513651018206  2.7277365743038966  5.0856801446638551   T   T   T
  1.5683261146627410  4.5452351784899578  7.6633135356694799   T   T   T
  0.0000000000000551  5.4412376119999806  0.0000000000000000   F   F   F
  0.0000000785375054  7.2549834373229904  2.5394499999999609   F   F   F
 -0.0043038172446468  5.4432567964738130  5.0767712899310613   T   T   T
 -0.0101358326331642  7.2622656625344186  7.6617768699479747   T   T   T
 -1.5707499999999670  8.1618564180000188  0.0000000000000000   F   F   F
 -1.5707499214625162  9.9756022433230278  2.5394499999999609   F   F   F
 -1.5727074893792530  8.1666478641383389  5.0824247040412933   T   T   T
 -1.5709301950805843  9.9826354921551097  7.6774191188834644   T   T   T
 -3.1414999999999336 10.8824752239999611  0.0000000000000000   F   F   F
 -3.1414999214624828 12.6962210493229701  2.5394499999999609   F   F   F
 -3.1426750324012902 10.8868532520315409  5.0828940990848741   T   T   T
 -3.1420142874184984 12.7041249865079884  7.6757040964890342   T   T   T
  6.2829999999999773  0.0000000000000000  0.0000000000000000   F   F   F
  6.2830000785375404  1.8137458253230103  2.5394499999999609   F   F   F
  6.2813243380690933  0.0058352209925537  5.0826865182636656   T   T   T
  6.2802671479480114  1.8228701587534510  7.6791144937636373   T   T   T
  4.7122499999999556  2.7206188060000378  0.0000000000000000   F   F   F
  4.7122500785375179  4.5343646313230481  2.5394499999999609   F   F   F
  4.7109367476055937  2.7276752337046024  5.0855345773746308   T   T   T
  4.7142571492964231  4.5452793649304990  7.6618283626328099   T   T   T
  3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
  3.1415000785375513  7.2549834373229904  2.5394499999999609   F   F   F
  3.1411742886664240  5.4502100325615084  5.0864935791471524   T   T   T
  3.1406273369247648  7.2748763121450235  7.7344835451871417   T   T   T
  1.5707499999999666  8.1618564180000188  0.0000000000000000   F   F   F
  1.5707500785375297  9.9756022433230278  2.5394499999999609   F   F   F
  1.5733967413955511  8.1640197660465379  5.0979789355996248   T   T   T
  1.5600268330297204 10.0078119060611126  7.6408591802066725   T   T   T
  0.0000000000000000 10.8824752239999611  0.0000000000000000   F   F   F
  0.0000000785375631 12.6962210493229701  2.5394499999999609   F   F   F
 -0.0053919934913482 10.8892167616377158  5.0771314087690493   T   T   T
 -0.0048925394294663 12.7076412519305304  7.6783792374082003   T   T   T
  9.4245000000000214  0.0000000000000000  0.0000000000000000   F   F   F
  9.4245000785374717  1.8137458253230103  2.5394499999999609   F   F   F
  9.4244496728019023  0.0019554328376431  5.0844538469844869   T   T   T
  9.4226250934764888  1.8204542158435744  7.6748784240248913   T   T   T
  7.8537499999999998  2.7206188060000378  0.0000000000000000   F   F   F
  7.8537500785374501  4.5343646313230481  2.5394499999999609   F   F   F
  7.8536795283760030  2.7244398734907587  5.0842376868522292   T   T   T
  7.8523746392939824  4.5418726249432106  7.6798194466073166   T   T   T
  6.2830000000000332  5.4412376119999806  0.0000000000000000   F   F   F
  6.2830000785374835  7.2549834373229904  2.5394499999999609   F   F   F
  6.2870812439121124  5.4429830389257887  5.0762269905413095   T   T   T
  6.2929401482873049  7.2616051674670548  7.6605389889307354   T   T   T
  4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
  4.7122500785374619  9.9756022433230278  2.5394499999999609   F   F   F
  4.7090528694458831  8.1639133454266659  5.0983986922626228   T   T   T
  4.7222868337509318 10.0071889113752146  7.6415301226360013   T   T   T
  3.1415000000000441 10.8824752239999611  0.0000000000000000   F   F   F
  3.1415000785374954 12.6962210493229701  2.5394499999999609   F   F   F
  3.1414371292532230 10.8952207172060707  5.0690383798357095   T   T   T
  3.1414434543002372 12.7068868310860843  7.6825662863281350   T   T   T
 12.5659999999999545  0.0000000000000000  0.0000000000000000   F   F   F
 12.5660000785375168  1.8137458253230103  2.5394499999999609   F   F   F
 12.5658102478792220  0.0020754603755993  5.0843724882635000   T   T   T
 12.5677645125184547  1.8203528370997319  7.6751735511685268   T   T   T
 10.9952499999999329  2.7206188060000378  0.0000000000000000   F   F   F
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 10.9952500785374951  4.5343646313230481  2.5394499999999609   F   F   F
 10.9950909139724686  2.7228304695337999  5.0843737198446766   T   T   T
 10.9951657654290571  4.5414349472218944  7.6746777114796751   T   T   T
  9.4244999999999663  5.4412376119999806  0.0000000000000000   F   F   F
  9.4245000785375286  7.2549834373229904  2.5394499999999609   F   F   F
  9.4236881612759156  5.4447641312618158  5.0833532673630417   T   T   T
  9.4256444684765412  7.2612869676880107  7.6783167082092074   T   T   T
  7.8537499999999438  8.1618564180000188  0.0000000000000000   F   F   F
  7.8537500785375070  9.9756022433230278  2.5394499999999609   F   F   F
  7.8555848976901359  8.1664909999891631  5.0821144168700307   T   T   T
  7.8532958233770556  9.9824280936239518  7.6769941962458619   T   T   T
  6.2829999999999773 10.8824752239999611  0.0000000000000000   F   F   F
  6.2830000785375404 12.6962210493229701  2.5394499999999609   F   F   F
  6.2882221805423857 10.8892819605498588  5.0767757364891253   T   T   T
  6.2873450784814233 12.7074943120405237  7.6782815195748508   T   T   T
  3.2216775459340843  6.2408278552303171 11.2397135488007720   T   T   T
  3.1430889561053874  7.8590867114338998 10.4569629736456928   T   T   T
  2.3292196627859325  5.6835378854936529 10.9287112911458735   T   T   T
  3.2435202378867549  6.3995220705219564 12.3230643029306951   T   T   T
  4.1356674449776687  5.7493529599647930 10.8828744194899780   T   T   T
### POSCAR for TS7-8-I ###
Mg  C Cl  H
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    15.7074999999999996    0.0000000000000000    0.0000000000000000
    -7.8537499999999998   13.6030940299999994    0.0000000000000000
     0.0000000000000000    0.0000000000000000   35.1578000000000017
 100   1   1   3
Selective dynamics
Cartesian
  0.0000000000000000  0.0000000000000000  0.0000000000000000   F   F   F
  0.0000000785374474  1.8137458253230103  2.5394499999999609   F   F   F
 -7.8548831474741609 13.6035805745277987  5.0860040688697339   T   T   T
 -0.0001221316685120  1.8152884623524799  7.6797323327288209   T   T   T
 -1.5707500000000227  2.7206188060000391  0.0000000000000000   F   F   F
 -1.5707499214624598  4.5343646313230481  2.5394499999999609   F   F   F
 14.1339713015044381  2.7181778666490581  5.0805941909111549   T   T   T
 -1.5750499605301544  4.5296568348486268  7.6745745774201684   T   T   T
 -3.1414999999999771  5.4412376119999823  0.0000000000000000   F   F   F
 -3.1414999214624273  7.2549834373229913  2.5394499999999609   F   F   F
 12.5659783172552739  5.4417380214805204  5.0807189500916552   T   T   T
 -3.1503499687728813  7.2539859198369996  7.6721790924793511   T   T   T
 -4.7122499999999858  8.1618564180000188  0.0000000000000000   F   F   F
 -4.7122499214624201  9.9756022433230278  2.5394499999999609   F   F   F
 10.9950895496904018  8.1602888716592084  5.0782180920957911   T   T   T
 -4.7142874939717228  9.9756609602416226  7.6722184930910373   T   T   T
 -6.2829999999999551 10.8824752239999647  0.0000000000000000   F   F   F
 -6.2829999214623866 12.6962210493229701  2.5394499999999609   F   F   F
 -6.2850114696704482 10.8824769896282767  5.0848870600519049   T   T   T
 -6.2855415606132645 12.6972348489777787  7.6763341648271997   T   T   T
  3.1415000000000437  0.0000000000000000  0.0000000000000000   F   F   F
  3.1415000785374940  1.8137458253230103  2.5394499999999609   F   F   F
 -4.7137179528203967 13.6053057027135367  5.0847738808806184   T   T   T
  3.1393207425304972  1.8196361675581245  7.6779092949001901   T   T   T
  1.5707500000000210  2.7206188060000391  0.0000000000000000   F   F   F
  1.5707500785374719  4.5343646313230481  2.5394499999999609   F   F   F
  1.5690291138433037  2.7210228254087161  5.0877424519138446   T   T   T
  1.5630729284749267  4.5389975480301903  7.6718356443659470   T   T   T
  0.0000000000000560  5.4412376119999823  0.0000000000000000   F   F   F
  0.0000000785375063  7.2549834373229913  2.5394499999999609   F   F   F
 -0.0046810382176550  5.4342195138449876  5.0689187914676799   T   T   T
 -0.0356830242232160  7.2406801077016585  7.6341784487489468   T   T   T
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 -1.5707499214624905  9.9756022433230278  2.5394499999999609   F   F   F
 -1.5831512143205710  8.1622144767071151  5.0715641643916909   T   T   T
 -1.5745968594106010  9.9717438702452874  7.6756111330491867   T   T   T
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 -3.1414999214624828 12.6962210493229701  2.5394499999999609   F   F   F
 -3.1421666648808513 10.8829210884143084  5.0838401800053656   T   T   T
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  6.2830000785375386  1.8137458253230103  2.5394499999999609   F   F   F
  6.2809081279202061  0.0013722273151931  5.0839792275191433   T   T   T
  6.2791026077924208  1.8161587162655632  7.6779340224717441   T   T   T
  4.7122499999999539  2.7206188060000391  0.0000000000000000   F   F   F
  4.7122500785375161  4.5343646313230481  2.5394499999999609   F   F   F
  4.7118176794775541  2.7204988265122325  5.0871383761861839   T   T   T
  4.7170445522804076  4.5400228385680963  7.6701217120736489   T   T   T
  3.1414999999999877  5.4412376119999823  0.0000000000000000   F   F   F
  3.1415000785375486  7.2549834373229913  2.5394499999999609   F   F   F
  3.1408256945553412  5.4277361685976446  5.0635564851686548   T   T   T
  3.1335681016974410  7.2193272908122381  7.6290714687224135   T   T   T
  1.5707499999999666  8.1618564180000188  0.0000000000000000   F   F   F
  1.5707500785375297  9.9756022433230278  2.5394499999999609   F   F   F
  1.5655085366379780  8.1665268017951220  5.1091795741608781   T   T   T
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 -0.0075767697865778 10.8887390150795085  5.0765688136165439   T   T   T
 -0.0076956715049699 12.7042045894565003  7.6766449630743683   T   T   T
  9.4245000000000090  0.0000000000000000  0.0000000000000000   F   F   F
  9.4245000785374380  1.8137458253230103  2.5394499999999609   F   F   F
  1.5690857335695849 13.5995400498089865  5.0820067268119873   T   T   T
  9.4206640748659254  1.8152865070610580  7.6725562645873664   T   T   T
  7.8537499999999865  2.7206188060000391  0.0000000000000000   F   F   F
  7.8537500785374164  4.5343646313230481  2.5394499999999609   F   F   F
  7.8545729389456422  2.7174575694094574  5.0810191477012445   T   T   T
  7.8566066373093637  4.5289455261629579  7.6764614036044074   T   T   T
  6.2830000000000190  5.4412376119999823  0.0000000000000000   F   F   F
  6.2830000785374827  7.2549834373229913  2.5394499999999609   F   F   F
  6.2867473837172678  5.4316496035482364  5.0659760877914923   T   T   T
  6.3217365580732769  7.2355704141042745  7.6217276473488136   T   T   T
  4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
  4.7122500785374619  9.9756022433230278  2.5394499999999609   F   F   F
  4.7146225328177982  8.1659902986678752  5.1145083014382129   T   T   T
  4.7355364026319720 10.0018579008625945  7.6889120644653106   T   T   T
  3.1415000000000415 10.8824752239999647  0.0000000000000000   F   F   F
  3.1415000785374954 12.6962210493229701  2.5394499999999609   F   F   F
  3.1411142247452561 10.8818799716953034  5.0958460044098333   T   T   T
  3.1393565461977628 12.7099713564171477  7.6701961433579369   T   T   T
 12.5659999999999332  0.0000000000000000  0.0000000000000000   F   F   F
 12.5660000785373605  1.8137458253230103  2.5394499999999609   F   F   F
  4.7123219989497134 13.5998903875005723  5.0811478158097101   T   T   T
 12.5673335854737314  1.8141333296125499  7.6724430123277916   T   T   T
 10.9952499999992348  2.7206188060000391  0.0000000000000000   F   F   F
 10.9952500785374951  4.5343646313230481  2.5394499999999609   F   F   F
 10.9943859197734071  2.7156981681448666  5.0829404824637079   T   T   T
 10.9940776516967809  4.5329070793937660  7.6731995678208058   T   T   T
  9.4244999999999646  5.4412376119999823  0.0000000000000000   F   F   F
  9.4245000785375268  7.2549834373229913  2.5394499999999609   F   F   F
  9.4227354509518939  5.4415952880914213  5.0809435189385201   T   T   T
  9.4232583634942345  7.2533857551456000  7.6730341942855924   T   T   T
  7.8537499999999438  8.1618564180000188  0.0000000000000000   F   F   F
  7.8537500785375070  9.9756022433230278  2.5394499999999609   F   F   F
  7.8669850914800046  8.1620242865632822  5.0685383942247739   T   T   T
  7.8510549089313217  9.9685898017006096  7.6751120651060756   T   T   T
  6.2829999999999746 10.8824752239999647  0.0000000000000000   F   F   F
  6.2830000785375404 12.6962210493229701  2.5394499999999609   F   F   F
  6.2873641547048509 10.8870593600644785  5.0776656470976489   T   T   T
  6.2839722158774602 12.7006725402738780  7.6780919751236096   T   T   T
  3.4568247997387136  7.1664350804880614 11.1433107979132355   T   T   T
  3.2005674554274419  8.7893292745903757  9.6914165548513544   T   T   T
  2.6262461596214628  6.5173229869753291 10.8536129442087486   T   T   T
  3.3622934353597200  7.6879895874062765 12.0968865597008204   T   T   T
  4.4547135485135101  6.8151212132659564 10.8691000303724028   T   T   T
### POSCAR for INT8 ###
Mg  C Cl  H
 1.0000000000000000
    15.7074999999999996    0.0000000000000000    0.0000000000000000
    -7.8537499999999998   13.6030940299999994    0.0000000000000000
     0.0000000000000000    0.0000000000000000   35.1578000000000017
 100   1   1   3
Selective dynamics
Cartesian
  0.0000000000000000  0.0000000000000000  0.0000000000000000   F   F   F
  0.0000000785374505  1.8137458253230103  2.5394499999999609   F   F   F
  0.0010201306482184  0.0080393993007786  5.0970000689731103   T   T   T
  0.0170391137344286  1.8330071949182962  7.6889857754639594   T   T   T
 -1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
 -1.5707499214624598  4.5343646313230481  2.5394499999999609   F   F   F
 -1.5656245153250163  2.7284228398945558  5.0848371214633108   T   T   T
 -1.5566202345100548  4.5375183927251097  7.6874386895477294   T   T   T
 -3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
 -3.1414999214624264  7.2549834373229904  2.5394499999999609   F   F   F
 -3.1320849268867024  5.4465822320642285  5.0878116332304915   T   T   T
 -3.1575234079327039  7.2619768616497966  7.6696656769117526   T   T   T
 -4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
 -4.7122499214624476  9.9756022433230278  2.5394499999999609   F   F   F
 -4.7119041947653715  8.1617298103230471  5.0707390168872575   T   T   T
 -4.7117898389081354  9.9828089860814675  7.6655221158326761   T   T   T
 -6.2829999999999773 10.8824752239999611  0.0000000000000000   F   F   F
 -6.2829999214624142 12.6962210493229701  2.5394499999999609   F   F   F
  9.4231913435311974 10.8837620180675216  5.0786765019183999   T   T   T
 -6.2867743219798298 12.6936609558396452  7.6752252803016585   T   T   T
  3.1415000000000437  0.0000000000000000  0.0000000000000000   F   F   F
  3.1415000785374940  1.8137458253230103  2.5394499999999609   F   F   F
 -4.7118868367701161 13.5926097189237129  5.0769009332640307   T   T   T
  3.1419220873402010  1.7680938773315762  7.6323575242018729   T   T   T
  1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
  1.5707500785374719  4.5343646313230481  2.5394499999999609   F   F   F
  1.5775863600982314  2.7267480516307447  5.0860943690076734   T   T   T
  1.5898862912539511  4.5550833532160970  7.6534890055225722   T   T   T
  0.0000000000000551  5.4412376119999806  0.0000000000000000   F   F   F
  0.0000000785375054  7.2549834373229904  2.5394499999999609   F   F   F
  0.0014213870645547  5.4388687296342493  5.0739261959533806   T   T   T
 -0.0807716064942765  7.2619161989522141  7.5968411290895919   T   T   T
 -1.5707499999999670  8.1618564180000188  0.0000000000000000   F   F   F
 -1.5707499214625162  9.9756022433230278  2.5394499999999609   F   F   F
 -1.5889357847174446  8.1719571465545879  5.0605248235910514   T   T   T
 -1.5778317218173212  9.9816279453392660  7.6779766707760428   T   T   T
 -3.1414999999999336 10.8824752239999611  0.0000000000000000   F   F   F
 -3.1414999214624828 12.6962210493229701  2.5394499999999609   F   F   F
 -3.1394838500964015 10.8837588666469376  5.0788516004825333   T   T   T
 -3.1368581976700520 12.6936411233611448  7.6751508175919501   T   T   T
  6.2829999999999773  0.0000000000000000  0.0000000000000000   F   F   F
  6.2830000785375404  1.8137458253230103  2.5394499999999609   F   F   F
  6.2825244616044014  0.0082810503182507  5.0970400550166088   T   T   T
  6.2664591604414861  1.8330151520096007  7.6890436818336152   T   T   T
  4.7122499999999556  2.7206188060000378  0.0000000000000000   F   F   F
  4.7122500785375179  4.5343646313230481  2.5394499999999609   F   F   F
  4.7059458823625056  2.7270343286666594  5.0860073261112575   T   T   T
  4.6941092029836824  4.5555934508928617  7.6535161387696498   T   T   T
  3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
  3.1415000785375513  7.2549834373229904  2.5394499999999609   F   F   F
  3.1416827316553180  5.4382035055214013  5.0484911836317528   T   T   T
  3.1415422001184652  7.1861799066915601  7.7249847114048036   T   T   T
  1.5707499999999666  8.1618564180000188  0.0000000000000000   F   F   F
  1.5707500785375297  9.9756022433230278  2.5394499999999609   F   F   F
  1.5759136520241999  8.1594189549817173  5.1503588485050242   T   T   T
  1.5191213771788439 10.0055787908317058  7.7137386052196799   T   T   T
  0.0000000000000000 10.8824752239999611  0.0000000000000000   F   F   F
  0.0000000785375631 12.6962210493229701  2.5394499999999609   F   F   F
 -0.0056488206017749 10.8876985687437031  5.0806463033815854   T   T   T
  0.0068942630660880 12.7112661101727848  7.6838168278896006   T   T   T
  9.4245000000000214  0.0000000000000000  0.0000000000000000   F   F   F
  9.4245000785374717  1.8137458253230103  2.5394499999999609   F   F   F
  9.4205046230521070  0.0131655974634582  5.0723679741108150   T   T   T
  9.4139344048688060  1.8342268859827466  7.6688529494770705   T   T   T
  7.8537499999999998  2.7206188060000378  0.0000000000000000   F   F   F
  7.8537500785374501  4.5343646313230481  2.5394499999999609   F   F   F
  7.8489433983234491  2.7282458725652938  5.0851638232344025   T   T   T
  7.8404264609882599  4.5377272034066367  7.6874319439415268   T   T   T
  6.2830000000000332  5.4412376119999806  0.0000000000000000   F   F   F
  6.2830000785374835  7.2549834373229904  2.5394499999999609   F   F   F
  6.2819930771181927  5.4389408616590380  5.0739980060003909   T   T   T
  6.3647992145070713  7.2622535655528875  7.5967745359361158   T   T   T
  4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
  4.7122500785374619  9.9756022433230278  2.5394499999999609   F   F   F
  4.7073094544314014  8.1594118606408248  5.1505111032543969   T   T   T
  4.7642843932016321 10.0058145455308818  7.7138906139210146   T   T   T
  3.1415000000000441 10.8824752239999611  0.0000000000000000   F   F   F
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  3.1415000785374954 12.6962210493229701  2.5394499999999609   F   F   F
  3.1414921772874953 10.8814434604304893  5.1426400080801375   T   T   T
  3.1417393356613035 12.7524108815210191  7.6362838159497715   T   T   T
 12.5659999999999545  0.0000000000000000  0.0000000000000000   F   F   F
 12.5660000785375168  1.8137458253230103  2.5394499999999609   F   F   F
 12.5703097263651831  0.0132257426753787  5.0723787710617829   T   T   T
 12.5773075287211338  1.8342384322448730  7.6690602022899350   T   T   T
 10.9952499999999329  2.7206188060000378  0.0000000000000000   F   F   F
 10.9952500785374951  4.5343646313230481  2.5394499999999609   F   F   F
 10.9953568069953853  2.7193948605885638  5.0785244697782774   T   T   T
 10.9957359332934708  4.5390327550656231  7.6803903491617813   T   T   T
  9.4244999999999663  5.4412376119999806  0.0000000000000000   F   F   F
  9.4245000785375286  7.2549834373229904  2.5394499999999609   F   F   F
  9.4155005072862039  5.4465578189022503  5.0879962250611594   T   T   T
  9.4413638873718497  7.2620518085874348  7.6696929075157483   T   T   T
  7.8537499999999438  8.1618564180000188  0.0000000000000000   F   F   F
  7.8537500785375070  9.9756022433230278  2.5394499999999609   F   F   F
  7.8726115436282900  8.1721631708276412  5.0605228677647531   T   T   T
  7.8614174507385961  9.9820110068999668  7.6779619962866974   T   T   T
  6.2829999999999773 10.8824752239999611  0.0000000000000000   F   F   F
  6.2830000785375404 12.6962210493229701  2.5394499999999609   F   F   F
  6.2889318508814158 10.8875661422551726  5.0803639498427247   T   T   T
  6.2766649039399027 12.7112608177744999  7.6839668345505672   T   T   T
  3.1424927115165260  5.4086517245417696  9.3386502677215795   T   T   T
  3.1419652210466511  9.0978044897502421  9.4910107538496451   T   T   T
  2.2800428068517280  4.8760993805241037  9.7976480824460292   T   T   T
  4.0161679796998744  4.8959309229104893  9.7987869983138811   T   T   T
  3.1310442456442433  6.3888315643066269  9.8628439384746702   T   T   T
### POSCAR for INT9 ###
Mg  C  H Cl
 1.0000000000000000
    15.7074999999999996    0.0000000000000000    0.0000000000000000
    -7.8537499999999998   13.6030940299999994    0.0000000000000000
     0.0000000000000000    0.0000000000000000   35.1578000000000017
 100   2   3   1
Selective dynamics
Cartesian
  0.0000000000000000  0.0000000000000000  0.0000000000000000   F   F   F
  0.0000000785374505  1.8137458253230103  2.5394499999999609   F   F   F
  7.8517471702615333 13.5995144261332968  5.0846492582681204   T   T   T
 -0.0005268955746385  1.8105641735003883  7.6802157833415015   T   T   T
 -1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
 -1.5707499214624598  4.5343646313230481  2.5394499999999609   F   F   F
 14.1374124589852563  2.7189645952836146  5.0859176594318836   T   T   T
 -1.5693007559809413  4.5320240633735098  7.6797745493986502   T   T   T
 -3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
 -3.1414999214624264  7.2549834373229904  2.5394499999999609   F   F   F
 12.5659450183741352  5.4395920947694707  5.0853357203750047   T   T   T
 -3.1424798960236124  7.2520797361763405  7.6800838501172199   T   T   T
 -4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
 -4.7122499214624476  9.9756022433230278  2.5394499999999609   F   F   F
 10.9931557105360920  8.1597041922694817  5.0850103458294518   T   T   T
 -4.7140879489108487  9.9715053990878637  7.6784430826180614   T   T   T
 -6.2829999999999773 10.8824752239999611  0.0000000000000000   F   F   F
 -6.2829999214624142 12.6962210493229701  2.5394499999999609   F   F   F
  9.4223625680903975 10.8795349377706305  5.0853757536702906   T   T   T
 -6.2855923673206808 12.6934842097858684  7.6761923175849800   T   T   T
  3.1415000000000437  0.0000000000000000  0.0000000000000000   F   F   F
  3.1415000785374940  1.8137458253230103  2.5394499999999609   F   F   F
 -4.7127215518333774 13.5993281812341174  5.0847403636396358   T   T   T
  3.1392995821441505  1.8148411976430820  7.6777726004601128   T   T   T
  1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
  1.5707500785374719  4.5343646313230481  2.5394499999999609   F   F   F
  1.5691836168230566  2.7095068978897547  5.0724901413384353   T   T   T
  1.5643152219160812  4.5210767970059660  7.6311708881347089   T   T   T
  0.0000000000000551  5.4412376119999806  0.0000000000000000   F   F   F
  0.0000000785375054  7.2549834373229904  2.5394499999999609   F   F   F
 -0.0054529436022546  5.4383739493102690  5.0719337623648730   T   T   T
 -0.0095557437013296  7.2513485281227323  7.6476711106478268   T   T   T
 -1.5707499999999670  8.1618564180000188  0.0000000000000000   F   F   F
 -1.5707499214625162  9.9756022433230278  2.5394499999999609   F   F   F
 -1.5749545433479755  8.1620505658930274  5.0803115609110181   T   T   T
 -1.5718398658364139  9.9697910840388317  7.6829753070091078   T   T   T
 -3.1414999999999336 10.8824752239999611  0.0000000000000000   F   F   F
 -3.1414999214624828 12.6962210493229701  2.5394499999999609   F   F   F
 -3.1418592305960624 10.8801986355128282  5.0848432467590898   T   T   T
 -3.1421738542187745 12.6932989256794251  7.6775638194772311   T   T   T
  6.2829999999999773  0.0000000000000000  0.0000000000000000   F   F   F
  6.2830000785375404  1.8137458253230103  2.5394499999999609   F   F   F
 -1.5698104957826473 13.5996581198470778  5.0850452238603125   T   T   T
  6.2817424775657607  1.8092177330959767  7.6783018210868210   T   T   T
  4.7122499999999556  2.7206188060000378  0.0000000000000000   F   F   F
  4.7122500785375179  4.5343646313230481  2.5394499999999609   F   F   F
  4.7123658706967646  2.7139724327653227  5.0793954483547896   T   T   T
  4.7143942720150882  4.5245257881056098  7.6531795909990166   T   T   T
  3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
  3.1415000785375513  7.2549834373229904  2.5394499999999609   F   F   F
  3.1422087462879928  5.4360706592449999  5.0770312348292608   T   T   T
  3.1365259955078830  7.2392992309624740  7.6462808320324278   T   T   T
  1.5707499999999666  8.1618564180000188  0.0000000000000000   F   F   F
  1.5707500785375297  9.9756022433230278  2.5394499999999609   F   F   F
  1.5686305260984206  8.1622022117312625  5.0773630479375766   T   T   T
  1.5666601561044438  9.9645597434434556  7.6815515909050971   T   T   T
  0.0000000000000000 10.8824752239999611  0.0000000000000000   F   F   F
  0.0000000785375631 12.6962210493229701  2.5394499999999609   F   F   F
 -0.0004767376341013 10.8793820712888625  5.0868030213098194   T   T   T
 -0.0003255667881117 12.6883656358080579  7.6808130885926893   T   T   T
  9.4245000000000214  0.0000000000000000  0.0000000000000000   F   F   F
  9.4245000785374717  1.8137458253230103  2.5394499999999609   F   F   F
  1.5706406427776294 13.5992696436568838  5.0864036352910160   T   T   T
  9.4232170075010746  1.8081996734496053  7.6764691989978973   T   T   T
  7.8537499999999998  2.7206188060000378  0.0000000000000000   F   F   F
  7.8537500785374501  4.5343646313230481  2.5394499999999609   F   F   F
  7.8527840392369264  2.7188538822034056  5.0844086057001237   T   T   T
  7.8501602962942911  4.5306796462801584  7.6788840056094267   T   T   T
  6.2830000000000332  5.4412376119999806  0.0000000000000000   F   F   F
  6.2830000785374835  7.2549834373229904  2.5394499999999609   F   F   F
  6.2854779652006041  5.4389420637956913  5.0790784100327633   T   T   T
  6.2744017901547151  7.2458673161481002  7.6776588556663574   T   T   T
  4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
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  4.7122500785374619  9.9756022433230278  2.5394499999999609   F   F   F
  4.7147130620466209  8.1615872216263696  5.0775913211263477   T   T   T
  4.7105524949427062  9.9652345546393608  7.6791503050099292   T   T   T
  3.1415000000000441 10.8824752239999611  0.0000000000000000   F   F   F
  3.1415000785374954 12.6962210493229701  2.5394499999999609   F   F   F
  3.1398203420947830 10.8784044425887529  5.0867099260242696   T   T   T
  3.1398816857220817 12.6850663480161554  7.6827582710480478   T   T   T
 12.5659999999999545  0.0000000000000000  0.0000000000000000   F   F   F
 12.5660000785375168  1.8137458253230103  2.5394499999999609   F   F   F
  4.7105949824449231 13.5993498783903473  5.0871085099655255   T   T   T
 12.5662898258345859  1.8089007069827523  7.6780420866832779   T   T   T
 10.9952499999999329  2.7206188060000378  0.0000000000000000   F   F   F
 10.9952500785374951  4.5343646313230481  2.5394499999999609   F   F   F
 10.9951576427144246  2.7185950665568459  5.0843258682339361   T   T   T
 10.9944675725887677  4.5307849577855901  7.6755415555119422   T   T   T
  9.4244999999999663  5.4412376119999806  0.0000000000000000   F   F   F
  9.4245000785375286  7.2549834373229904  2.5394499999999609   F   F   F
  9.4237885274837190  5.4384838124069423  5.0845123592886825   T   T   T
  9.4202053615596970  7.2508900080334797  7.6786296636475564   T   T   T
  7.8537499999999438  8.1618564180000188  0.0000000000000000   F   F   F
  7.8537500785375070  9.9756022433230278  2.5394499999999609   F   F   F
  7.8508583747303442  8.1592289565111304  5.0864328426040277   T   T   T
  7.8481312059746742  9.9690490513022088  7.6802377816507894   T   T   T
  6.2829999999999773 10.8824752239999611  0.0000000000000000   F   F   F
  6.2830000785375404 12.6962210493229701  2.5394499999999609   F   F   F
  6.2815399368901632 10.8800977216753463  5.0848052925491922   T   T   T
  6.2805727173265131 12.6899799417139949  7.6810277736428025   T   T   T
  1.9487114703361672  6.0101289006415870 10.7789080930268604   T   T   T
  3.0663760697983689  6.7310711379427621 10.9100859467037488   T   T   T
  2.0255490685272082  4.9233607580857024 10.6779738420283152   T   T   T
  0.9518612813844523  6.4544330984173710 10.8052492680559418   T   T   T
  4.0734893284884945  6.3089833534647113 10.8885605484724781   T   T   T
  3.0589581631676186  8.4507039097508141 11.0842835152307586   T   T   T
### POSCAR for TS9-10-I ###
Mg  C  H Cl
 1.0000000000000000
    15.7074999999999996    0.0000000000000000    0.0000000000000000
    -7.8537499999999998   13.6030940299999994    0.0000000000000000
     0.0000000000000000    0.0000000000000000   35.1578000000000017
 100   2   3   1
Selective dynamics
Cartesian
  0.0000000000000000  0.0000000000000000  0.0000000000000000   F   F   F
  0.0000000785374474  1.8137458253230103  2.5394500034680880   F   F   F
 -7.8466079352549123 13.6065852103723337  5.0771874641279275   T   T   T
  0.0058574612771680  1.8097802283649431  7.6596912951745875   T   T   T
 -1.5707500000000227  2.7206188060000391  0.0000000000000000   F   F   F
 -1.5707499214624598  4.5343646313230481  2.5394500034680880   F   F   F
 14.1391689069764990  2.7283259641999784  5.0837133064301261   T   T   T
 -1.5754474258377866  4.5526377692972133  7.6620307979802806   T   T   T
 -3.1414999999999771  5.4412376119999823  0.0000000000000000   F   F   F
 -3.1414999214624273  7.2549834373229913  2.5394500034680880   F   F   F
 12.5638583007654834  5.4508760820940632  5.0789001132883556   T   T   T
 -3.1369409153091627  7.2649942864973580  7.6708715061152581   T   T   T
 -4.7122499999999858  8.1618564180000188  0.0000000000000000   F   F   F
 -4.7122499214624201  9.9756022433230278  2.5394500034680880   F   F   F
 10.9934801265209110  8.1626268005778861  5.0752041343494643   T   T   T
 -4.7098061284925379  9.9819224745581536  7.6551682697635064   T   T   T
 -6.2829999999999551 10.8824752239999647  0.0000000000000000   F   F   F
 -6.2829999214623866 12.6962210493229701  2.5394500034680880   F   F   F
 -6.2829936035384861 10.8850658226379267  5.0727314641135699   T   T   T
 -6.2798419302633608 12.6998072259320978  7.6681454230338684   T   T   T
  3.1415000000000437  0.0000000000000000  0.0000000000000000   F   F   F
  3.1415000785374940  1.8137458253230103  2.5394500034680880   F   F   F
 -4.7096889547983602 13.5923533702943189  5.0633684332693818   T   T   T
  3.1600387054586188  1.7636881671306894  7.6062727242920500   T   T   T
  1.5707500000000210  2.7206188060000391  0.0000000000000000   F   F   F
  1.5707500785374719  4.5343646313230481  2.5394500034680880   F   F   F
  1.5770437029857576  2.7271507991826236  5.0976257755646825   T   T   T
  1.5799733960061983  4.5373220001487571  7.7176894356897749   T   T   T
  0.0000000000000560  5.4412376119999823  0.0000000000000000   F   F   F
  0.0000000785375063  7.2549834373229913  2.5394500034680880   F   F   F
 -0.0040168733181773  5.4502210817721588  5.0905916919952636   T   T   T
 -0.0301997683049811  7.3118195189645974  7.5873066526523871   T   T   T
 -1.5707499999999559  8.1618564180000188  0.0000000000000000   F   F   F
 -1.5707499214624905  9.9756022433230278  2.5394500034680880   F   F   F
 -1.5838892818920911  8.1787547647081311  5.0613556453813136   T   T   T
 -1.5696795219951269  9.9938387804224291  7.6677948030869807   T   T   T
 -3.1414999999999251 10.8824752239999647  0.0000000000000000   F   F   F
 -3.1414999214624828 12.6962210493229701  2.5394500034680880   F   F   F
 -3.1386166471122219 10.8890581953708256  5.0686401500289540   T   T   T
 -3.1367172864986657 12.6965682103044042  7.6652572037669779   T   T   T
  6.2829999999999666  0.0000000000000000  0.0000000000000000   F   F   F
  6.2830000785375386  1.8137458253230103  2.5394500034680880   F   F   F
  6.2788226315259426  0.0175376189488134  5.0856348158753804   T   T   T
  6.2692588279534123  1.8375910858332472  7.6891606472799685   T   T   T
  4.7122499999999539  2.7206188060000391  0.0000000000000000   F   F   F
  4.7122500785375161  4.5343646313230481  2.5394500034680880   F   F   F
  4.7186530580539365  2.7271211179106838  5.0693489057273338   T   T   T
  4.6926858996055838  4.5545061690548643  7.6388098624716179   T   T   T
  3.1414999999999877  5.4412376119999823  0.0000000000000000   F   F   F
  3.1415000785375486  7.2549834373229913  2.5394500034680880   F   F   F
  3.1379529520777898  5.4613503815356070  5.0985527424917567   T   T   T
  3.1490020702596757  7.2913629020342778  7.7202735639303226   T   T   T
  1.5707499999999666  8.1618564180000188  0.0000000000000000   F   F   F
  1.5707500785375297  9.9756022433230278  2.5394500034680880   F   F   F
  1.5783925579324869  8.1813132051826631  5.0788022083800914   T   T   T
  1.5710310138346015 10.0051352348170699  7.6581290938988591   T   T   T
 -0.0000000000000009 10.8824752239999647  0.0000000000000000   F   F   F
  0.0000000785375631 12.6962210493229701  2.5394500034680880   F   F   F
  0.0017040254210485 10.8883181045225879  5.0784168737342741   T   T   T
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  9.4245000785374380  1.8137458253230103  2.5394500034680880   F   F   F
  9.4286453434537485  0.0099545479803019  5.0802620732946080   T   T   T
  9.4191685228278939  1.8333523188947267  7.6660728915165990   T   T   T
  7.8537499999999865  2.7206188060000391  0.0000000000000000   F   F   F
  7.8537500785374164  4.5343646313230481  2.5394500034680880   F   F   F
  7.8516638246999904  2.7284773461727592  5.0882420223088873   T   T   T
  7.8317940523291485  4.5514380628997770  7.6850480972362440   T   T   T
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  6.2830000000000190  5.4412376119999823  0.0000000000000000   F   F   F
  6.2830000785374827  7.2549834373229913  2.5394500034680880   F   F   F
  6.2833701820456636  5.4490346910459175  5.0735042797868566   T   T   T
  6.3035318735561825  7.2771633543073646  7.6398699772541283   T   T   T
  4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
  4.7122500785374619  9.9756022433230278  2.5394500034680880   F   F   F
  4.7109744782474561  8.1671432267550887  5.0939278228282152   T   T   T
  4.7196992564599025 10.0017609053762992  7.6525633703448683   T   T   T
  3.1415000000000415 10.8824752239999647  0.0000000000000000   F   F   F
  3.1415000785374954 12.6962210493229701  2.5394500034680880   F   F   F
  3.1428434992238063 10.8981606891273586  5.0731434758369733   T   T   T
  3.1453745645860813 12.7119571378287883  7.6687540655290931   T   T   T
 12.5659999999999332  0.0000000000000000  0.0000000000000000   F   F   F
 12.5660000785374564  1.8137458253230103  2.5394500034680880   F   F   F
 12.5729046533997142  0.0115801367094153  5.0845377117150079   T   T   T
 12.5797962600759714  1.8340052921981731  7.6760412484838501   T   T   T
 10.9952499999997588  2.7206188060000391  0.0000000000000000   F   F   F
 10.9952500785374951  4.5343646313230481  2.5394500034680880   F   F   F
 11.0015588229201988  2.7274825717832352  5.0850730281601546   T   T   T
 10.9944094680490565  4.5470913904564396  7.6755944036430561   T   T   T
  9.4244999999999646  5.4412376119999823  0.0000000000000000   F   F   F
  9.4245000785375268  7.2549834373229913  2.5394500034680880   F   F   F
  9.4156811209234181  5.4451962358231381  5.0881578747872798   T   T   T
  9.4265347006103646  7.2631392743415475  7.6695783944587470   T   T   T
  7.8537499999999438  8.1618564180000188  0.0000000000000000   F   F   F
  7.8537500785375070  9.9756022433230278  2.5394500034680880   F   F   F
  7.8578402549197328  8.1695217480647138  5.0748495141125938   T   T   T
  7.8540702506525220  9.9868230957107578  7.6693388411956653   T   T   T
  6.2829999999999746 10.8824752239999647  0.0000000000000000   F   F   F
  6.2830000785375404 12.6962210493229701  2.5394500034680880   F   F   F
  6.2856599456086206 10.8863702632337223  5.0779492148274077   T   T   T
  6.2884096227600930 12.7096330378071601  7.6721438397979913   T   T   T
  1.5720390258687345  4.6177432679306856 10.0338318027084323   T   T   T
  2.8607412256470313  5.1386282270706793  9.7361135000473702   T   T   T
  1.4873649626127938  3.6233215208821061 10.4773608693837250   T   T   T
  0.7446642381285353  5.3056852734555768 10.2225761641885224   T   T   T
  3.7255153958631331  4.5380650039455412 10.0469872869099994   T   T   T
  3.1612519482600088  6.8591744750091914 10.2918419458240962   T   T   T
### POSCAR for INT10 ###
Mg  C  H Cl
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    15.7074999999999996    0.0000000000000000    0.0000000000000000
    -7.8537499999999998   13.6030940299999994    0.0000000000000000
     0.0000000000000000    0.0000000000000000   35.1578000000000017
 100   2   3   1
Selective dynamics
Cartesian
  0.0000000000000000  0.0000000000000000  0.0000000000000000   F   F   F
  0.0000000785374505  1.8137458253230103  2.5394499999999609   F   F   F
 -0.0005013447999992  0.0022029162317359  5.0888271233274205   T   T   T
  0.0001407594997818  1.8099731468587421  7.6785558834370207   T   T   T
 -1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
 -1.5707499214624598  4.5343646313230481  2.5394499999999609   F   F   F
 -1.5713031697997828  2.7216001353910744  5.0775551386925990   T   T   T
 -1.5748829762773113  4.5280894223435872  7.6755201903801016   T   T   T
 -3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
 -3.1414999214624264  7.2549834373229904  2.5394499999999609   F   F   F
 -3.1332344439702120  5.4441859791121390  5.0816865956663984   T   T   T
 -3.1582363574369481  7.2576356876267054  7.6647051016998597   T   T   T
 -4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
 -4.7122499214624476  9.9756022433230278  2.5394499999999609   F   F   F
 10.9931760509336929  8.1596628952196237  5.0698371720183371   T   T   T
 -4.7108086661153568  9.9803625691677844  7.6627674890775062   T   T   T
 -6.2829999999999773 10.8824752239999611  0.0000000000000000   F   F   F
 -6.2829999214624142 12.6962210493229701  2.5394499999999609   F   F   F
  9.4233822039579884 10.8796922979951471  5.0768933192124415   T   T   T
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  3.1415000000000437  0.0000000000000000  0.0000000000000000   F   F   F
  3.1415000785374940  1.8137458253230103  2.5394499999999609   F   F   F
 -4.7125366788997169 13.5915454730781473  5.0780540444441362   T   T   T
  3.1394360758717417  1.7710154061998098  7.6336163335181109   T   T   T
  1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
  1.5707500785374719  4.5343646313230481  2.5394499999999609   F   F   F
  1.5732769685357377  2.7185598186064919  5.0843372587427940   T   T   T
  1.5477798321689016  4.5018653381444311  7.6746126951734253   T   T   T
  0.0000000000000551  5.4412376119999806  0.0000000000000000   F   F   F
  0.0000000785375054  7.2549834373229904  2.5394499999999609   F   F   F
 -0.0015507881698360  5.4290206250623356  5.0721970968040226   T   T   T
 -0.0887086890539388  7.2607605053840141  7.5528914327850396   T   T   T
 -1.5707499999999670  8.1618564180000188  0.0000000000000000   F   F   F
 -1.5707499214625162  9.9756022433230278  2.5394499999999609   F   F   F
 -1.5930228081563436  8.1714710291874049  5.0510186593675233   T   T   T
 -1.5788372224573113  9.9774223706325191  7.6722931440272921   T   T   T
 -3.1414999999999336 10.8824752239999611  0.0000000000000000   F   F   F
 -3.1414999214624828 12.6962210493229701  2.5394499999999609   F   F   F
 -3.1405567787794295 10.8824812292841351  5.0789841424624695   T   T   T
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  6.2830000785375404  1.8137458253230103  2.5394499999999609   F   F   F
  6.2824367119975850  0.0045003972534816  5.0927943510845877   T   T   T
  6.2657790447808654  1.8286238687919252  7.6796235464509213   T   T   T
  4.7122499999999556  2.7206188060000378  0.0000000000000000   F   F   F
  4.7122500785375179  4.5343646313230481  2.5394499999999609   F   F   F
  4.7048154865902267  2.7202481451570706  5.0751391409066020   T   T   T
  4.6975057713455932  4.5618676482817451  7.6073093749099261   T   T   T
  3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
  3.1415000785375513  7.2549834373229904  2.5394499999999609   F   F   F
  3.1293136225264062  5.4348403096775550  5.0475655754772504   T   T   T
  3.1876557198445843  7.1894892750731350  7.7865355404168222   T   T   T
  1.5707499999999666  8.1618564180000188  0.0000000000000000   F   F   F
  1.5707500785375297  9.9756022433230278  2.5394499999999609   F   F   F
  1.5878322444657513  8.1530661879322484  5.1563039146138872   T   T   T
  1.5199361849363786  9.9989415990791723  7.7087910043515890   T   T   T
  0.0000000000000000 10.8824752239999611  0.0000000000000000   F   F   F
  0.0000000785375631 12.6962210493229701  2.5394499999999609   F   F   F
 -0.0039010541366036 10.8800450414188870  5.0778638878977489   T   T   T
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  9.4245000000000214  0.0000000000000000  0.0000000000000000   F   F   F
  9.4245000785374717  1.8137458253230103  2.5394499999999609   F   F   F
  9.4198121877831795  0.0102461443553898  5.0679129851128932   T   T   T
  9.4107104497066185  1.8288301173778527  7.6630008004569365   T   T   T
  7.8537499999999998  2.7206188060000378  0.0000000000000000   F   F   F
  7.8537500785374501  4.5343646313230481  2.5394499999999609   F   F   F
  7.8466326584489972  2.7257929878091542  5.0813570730664273   T   T   T
  7.8436875287364991  4.5305927499269396  7.6780026818572464   T   T   T
  6.2830000000000332  5.4412376119999806  0.0000000000000000   F   F   F
  6.2830000785374835  7.2549834373229904  2.5394499999999609   F   F   F
  6.2818000161825545  5.4407345614828397  5.0666121345989348   T   T   T
  6.3716781465656673  7.2566790052003816  7.6100709351887765   T   T   T
  4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
  4.7122500785374619  9.9756022433230278  2.5394499999999609   F   F   F
  4.7084697412096190  8.1504333653590493  5.1594561358409008   T   T   T
  4.7672895098629882 10.0092488843875387  7.7070796188803898   T   T   T
  3.1415000000000441 10.8824752239999611  0.0000000000000000   F   F   F
  3.1415000785374954 12.6962210493229701  2.5394499999999609   F   F   F
  3.1428729383216911 10.8784459304862544  5.1388599498564247   T   T   T
  3.1382746392408665 12.7513517941070642  7.6268242321839681   T   T   T
 12.5659999999999545  0.0000000000000000  0.0000000000000000   F   F   F
 12.5660000785375168  1.8137458253230103  2.5394499999999609   F   F   F
 12.5691257834720869  0.0098057558958738  5.0676377287570178   T   T   T
 12.5680996747554055  1.8265698229405676  7.6652546670676118   T   T   T
 10.9952499999999329  2.7206188060000378  0.0000000000000000   F   F   F
 10.9952500785374951  4.5343646313230481  2.5394499999999609   F   F   F
 10.9933682837551299  2.7152633122834713  5.0749563487974623   T   T   T
 10.9932195080198536  4.5336288340248707  7.6733624971070968   T   T   T
  9.4244999999999663  5.4412376119999806  0.0000000000000000   F   F   F
  9.4245000785375286  7.2549834373229904  2.5394499999999609   F   F   F
  9.4159262742626311  5.4437660102116663  5.0835853173343386   T   T   T
  9.4435765692742191  7.2564311005943427  7.6668355895930489   T   T   T
  7.8537499999999438  8.1618564180000188  0.0000000000000000   F   F   F
  7.8537500785375070  9.9756022433230278  2.5394499999999609   F   F   F
  7.8709887887179173  8.1686051727562727  5.0618199008791347   T   T   T
  7.8640861117019023  9.9791064313614868  7.6709292500220378   T   T   T
  6.2829999999999773 10.8824752239999611  0.0000000000000000   F   F   F
  6.2830000785375404 12.6962210493229701  2.5394499999999609   F   F   F
  6.2893745513820943 10.8835214771323034  5.0753723768635375   T   T   T
  6.2745926675425938 12.7061288179196463  7.6742177940025208   T   T   T
  2.2069562961636566  5.6619673851563546 10.1309115211317557   T   T   T
  3.1690073157088494  5.3491398672402291  9.2149969821101507   T   T   T
  2.2260304149179295  5.3151459978790472 11.1723557867463636   T   T   T
  1.3441416942910442  6.3000898802821528  9.8766815099977912   T   T   T
  3.9496991612609404  4.7209504755774416  9.7028432231739732   T   T   T
  3.1435677562090492  9.1290869128462759  9.4885735368252941   T   T   T
### POSCAR for INT11 ###
Mg  H  C Cl
 1.0000000000000000
    15.7074999999999996    0.0000000000000000    0.0000000000000000
    -7.8537499999999998   13.6030940299999994    0.0000000000000000
     0.0000000000000000    0.0000000000000000   35.1578000000000017
 100   5   6   1
Selective dynamics
Cartesian
  0.0000000000000000  0.0000000000000000  0.0000000000000000   F   F   F
  0.0000000785374505  1.8137458253230103  2.5394499999999609   F   F   F
  0.0016249533419823  0.0005414210673937  5.0902644841578857   T   T   T
  0.0046382777213136  1.8174362444370222  7.6777442714823811   T   T   T
 -1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
 -1.5707499214624598  4.5343646313230481  2.5394499999999609   F   F   F
 14.1352547941522566  2.7206993841314366  5.0866671205233045   T   T   T
 -1.5649363632500795  4.5367445868681759  7.6838633560402601   T   T   T
 -3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
 -3.1414999214624264  7.2549834373229904  2.5394499999999609   F   F   F
 -3.1409310287659347  5.4414040205596379  5.0903319870204236   T   T   T
 -3.1391645812997684  7.2539606017012765  7.6850264784376314   T   T   T
 -4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
 -4.7122499214624476  9.9756022433230278  2.5394499999999609   F   F   F
 -4.7119992325559865  8.1614895450499532  5.0879752011228057   T   T   T
 -4.7120269747304162  9.9770555780229362  7.6798407532866282   T   T   T
 -6.2829999999999773 10.8824752239999611  0.0000000000000000   F   F   F
 -6.2829999214624142 12.6962210493229701  2.5394499999999609   F   F   F
  9.4249695851449893 10.8810031896320893  5.0857940809148241   T   T   T
 -6.2820015683458328 12.6985406776103584  7.6851725060571061   T   T   T
  3.1415000000000437  0.0000000000000000  0.0000000000000000   F   F   F
  3.1415000785374940  1.8137458253230103  2.5394499999999609   F   F   F
 -4.7120361038545191 13.5928657962066257  5.0746831580039853   T   T   T
  3.1415772770426065  1.8015588326436818  7.6192650607112782   T   T   T
  1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
  1.5707500785374719  4.5343646313230481  2.5394499999999609   F   F   F
  1.5660432532284985  2.7191586024441006  5.0736114693315892   T   T   T
  1.5660347669264749  4.5394838386282439  7.6532707367622494   T   T   T
  0.0000000000000551  5.4412376119999806  0.0000000000000000   F   F   F
  0.0000000785375054  7.2549834373229904  2.5394499999999609   F   F   F
 -0.0036685447188765  5.4436501020391797  5.0781594591027197   T   T   T
 -0.0031012657986977  7.2588300744290333  7.6586088633615228   T   T   T
 -1.5707499999999670  8.1618564180000188  0.0000000000000000   F   F   F
 -1.5707499214625162  9.9756022433230278  2.5394499999999609   F   F   F
 -1.5746422819507084  8.1638241064794403  5.0839996748991343   T   T   T
 -1.5698312816137099  9.9757910712097946  7.6859025356064139   T   T   T
 -3.1414999999999336 10.8824752239999611  0.0000000000000000   F   F   F
 -3.1414999214624828 12.6962210493229701  2.5394499999999609   F   F   F
 -3.1413624157819307 10.8810375173336595  5.0859386993219609   T   T   T
 -3.1421296844081947 12.6984566414314894  7.6849307495871608   T   T   T
  6.2829999999999773  0.0000000000000000  0.0000000000000000   F   F   F
  6.2830000785375404  1.8137458253230103  2.5394499999999609   F   F   F
  6.2816112698723625  0.0005088249940546  5.0901977217442473   T   T   T
  6.2787463102214103  1.8171625995466103  7.6772573318916102   T   T   T
  4.7122499999999556  2.7206188060000378  0.0000000000000000   F   F   F
  4.7122500785375179  4.5343646313230481  2.5394499999999609   F   F   F
  4.7171768964503471  2.7192291362984271  5.0738700111546544   T   T   T
  4.7174278273435473  4.5395693147178617  7.6534626650974849   T   T   T
  3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
  3.1415000785375513  7.2549834373229904  2.5394499999999609   F   F   F
  3.1416113853108452  5.4394301871569661  5.0765666955702375   T   T   T
  3.1416001441332124  7.2598531290495778  7.6257820226916655   T   T   T
  1.5707499999999666  8.1618564180000188  0.0000000000000000   F   F   F
  1.5707500785375297  9.9756022433230278  2.5394499999999609   F   F   F
  1.5668114669297770  8.1659175824445818  5.0762121517108394   T   T   T
  1.5677893712007043  9.9722855935390520  7.6842808995126939   T   T   T
  0.0000000000000000 10.8824752239999611  0.0000000000000000   F   F   F
  0.0000000785375631 12.6962210493229701  2.5394499999999609   F   F   F
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 -0.0007324996138900 10.8832712557313993  5.0891872165978898   T   T   T
 -0.0014888162730786 12.6963607238838723  7.6864956205874311   T   T   T
  9.4245000000000214  0.0000000000000000  0.0000000000000000   F   F   F
  9.4245000785374717  1.8137458253230103  2.5394499999999609   F   F   F
  1.5711851684868892 13.6023100368000840  5.0898527679483738   T   T   T
  9.4217864940049836  1.8150917441554373  7.6826002167453069   T   T   T
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  7.8537500785374501  4.5343646313230481  2.5394499999999609   F   F   F
  7.8552893437698703  2.7204839643298517  5.0866867463715097   T   T   T
  7.8485217694074709  4.5366623564028856  7.6833637631989511   T   T   T
  6.2830000000000332  5.4412376119999806  0.0000000000000000   F   F   F
  6.2830000785374835  7.2549834373229904  2.5394499999999609   F   F   F
  6.2867656003725516  5.4435927853683692  5.0781756952442372   T   T   T
  6.2867267901958170  7.2590744134901906  7.6579345564461434   T   T   T
  4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
  4.7122500785374619  9.9756022433230278  2.5394499999999609   F   F   F
  4.7163930632145430  8.1659549871838362  5.0759714335374380   T   T   T
  4.7154838673724484  9.9723773929401887  7.6838359693700120   T   T   T
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  3.1415000785374954 12.6962210493229701  2.5394499999999609   F   F   F
  3.1413826628730677 10.8817397673358958  5.0887543231696952   T   T   T
  3.1415865280868225 12.6913518181232892  7.6853739421765486   T   T   T
 12.5659999999999545  0.0000000000000000  0.0000000000000000   F   F   F
 12.5660000785375168  1.8137458253230103  2.5394499999999609   F   F   F
  4.7116562224218699 13.6023657821784081  5.0898335098534950   T   T   T
 12.5692719737847849  1.8151706461487029  7.6827418715234455   T   T   T
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 10.9952500785374951  4.5343646313230481  2.5394499999999609   F   F   F
 10.9951557601152832  2.7195679134183708  5.0884635074032634   T   T   T
 10.9956264434844435  4.5349200934073766  7.6862757641217394   T   T   T
  9.4244999999999663  5.4412376119999806  0.0000000000000000   F   F   F
  9.4245000785375286  7.2549834373229904  2.5394499999999609   F   F   F
  9.4241485209043745  5.4413375408755371  5.0903289167316546   T   T   T
  9.4228362177892198  7.2540374871252338  7.6846930003914435   T   T   T
  7.8537499999999438  8.1618564180000188  0.0000000000000000   F   F   F
  7.8537500785375070  9.9756022433230278  2.5394499999999609   F   F   F
  7.8580755601154273  8.1637842020906906  5.0836387317259870   T   T   T
  7.8531536547530063  9.9760565937683232  7.6854899259152285   T   T   T
  6.2829999999999773 10.8824752239999611  0.0000000000000000   F   F   F
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  6.2838349673020861 10.8832194397607047  5.0889630438895264   T   T   T
  6.2846913313169432 12.6965893136548065  7.6865391029780739   T   T   T
  5.3077236607093674  6.3715369746051014 10.9308694393797374   T   T   T
  5.3148437814477028  3.8834863024271340 10.7354263795430107   T   T   T
  3.1567131551883172  2.6294853010414290 10.6485305641020940   T   T   T
  0.9928102897276907  3.8734395651201643 10.7373676914849536   T   T   T
  0.9885377292834017  6.3615314240861212 10.9326805204224513   T   T   T
  4.3684711854158547  5.8166805980400733 10.8877557066258728   T   T   T
  4.3635713962368810  4.4212935529660990 10.7784550002987931   T   T   T
  3.1541647777999300  3.7198123176703102 10.7287301445430998   T   T   T
  1.9416513223816714  4.4157205821466210 10.7796154258341215   T   T   T
  1.9303006812638643  5.8109666359553991 10.8889023385770880   T   T   T
  3.1478597909719817  6.4954960670819597 10.9582102130282699   T   T   T
  3.1438937759220753  8.2240987324882813 11.0974477183701055   T   T   T
### POSCAR for TS11-12-I ###
Mg  H  C Cl
 1.0000000000000000
   15.7074999999999996    0.0000000000000000    0.0000000000000000
   -7.8537499999999998   13.6030940299999994    0.0000000000000000
    0.0000000000000000    0.0000000000000000   35.1578000000000017
 100   5   6   1
Selective dynamics
Cartesian
  0.0000000000000000  0.0000000000000000  0.0000000000000000   F   F   F
  0.0000000785374474  1.8137458253230103  2.5394500034680880   F   F   F
  7.8486667050886609 13.5914570874106744  5.0514895365373356   T   T   T
 -0.0415376363324194  1.7850531221199457  7.5840521116383295   T   T   T
 -1.5707500000000227  2.7206188060000391  0.0000000000000000   F   F   F
 -1.5707499214624598  4.5343646313230481  2.5394500034680880   F   F   F
 14.1243123454357580  2.7193608876041271  5.0592477570618186   T   T   T
 -1.5874835197955832  4.5347273269074710  7.6343387316309039   T   T   T
 -3.1414999999999771  5.4412376119999823  0.0000000000000000   F   F   F
 -3.1414999214624273  7.2549834373229913  2.5394500034680880   F   F   F
 12.5646683163203257  5.4478791710841845  5.0706235246091733   T   T   T
 -3.1447023287072371  7.2556198537725827  7.6584947218489452   T   T   T
 -4.7122499999999858  8.1618564180000188  0.0000000000000000   F   F   F
 -4.7122499214624201  9.9756022433230278  2.5394500034680880   F   F   F
 -4.7120161620410341  8.1644974700544939  5.0682282151485261   T   T   T
 -4.7120683956110483  9.9795902388402613  7.6536981402607349   T   T   T
 -6.2829999999999551 10.8824752239999647  0.0000000000000000   F   F   F
 -6.2829999214623866 12.6962210493229701  2.5394500034680880   F   F   F
 -6.2834251717302241 10.8802241967226383  5.0723020389921869   T   T   T
 -6.2950186978256095 12.6880651263618862  7.6477736728845187   T   T   T
  3.1415000000000437  0.0000000000000000  0.0000000000000000   F   F   F
  3.1415000785374940  1.8137458253230103  2.5394500034680880   F   F   F
 -4.7118121084792222 13.5973579611907347  5.0823411714878040   T   T   T
  3.1426037758964167  1.7570774128862183  7.7300442480778750   T   T   T
  1.5707500000000210  2.7206188060000391  0.0000000000000000   F   F   F
  1.5707500785374719  4.5343646313230481  2.5394500034680880   F   F   F
  1.5775877777126921  2.7199818215945029  5.1224971422329686   T   T   T
  1.5504591468058599  4.5816095735597164  7.6224901057596526   T   T   T
  0.0000000000000560  5.4412376119999823  0.0000000000000000   F   F   F
  0.0000000785375063  7.2549834373229913  2.5394500034680880   F   F   F
 -0.0082524174320260  5.4468422188630843  5.0643646292209290   T   T   T
 -0.0383960058986990  7.2826318962447445  7.6111491103500191   T   T   T
 -1.5707499999999559  8.1618564180000188  0.0000000000000000   F   F   F
 -1.5707499214624905  9.9756022433230278  2.5394500034680880   F   F   F
 -1.5755987644426837  8.1669087833947778  5.0674859509071846   T   T   T
 -1.5714639596294413  9.9796810735832118  7.6583672441851629   T   T   T
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 -3.1414999214624828 12.6962210493229701  2.5394500034680880   F   F   F
 -3.1406472832332186 10.8800750702607303  5.0723364220304328   T   T   T
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  6.2829999999999666  0.0000000000000000  0.0000000000000000   F   F   F
  6.2830000785375386  1.8137458253230103  2.5394500034680880   F   F   F
 -1.5651146626033583 13.5912699848247964  5.0515601439310220   T   T   T
  6.3259236085983961  1.7847794316257646  7.5838101826556805   T   T   T
  4.7122499999999539  2.7206188060000391  0.0000000000000000   F   F   F
  4.7122500785375161  4.5343646313230481  2.5394500034680880   F   F   F
  4.7063829761531091  2.7200559604609049  5.1221860563130406   T   T   T
  4.7336490000357569  4.5813890103910513  7.6215747376855401   T   T   T
  3.1414999999999877  5.4412376119999823  0.0000000000000000   F   F   F
  3.1415000785375486  7.2549834373229913  2.5394500034680880   F   F   F
  3.1416410815590559  5.4612745444740050  5.0846516889160442   T   T   T
  3.1411015801308029  7.2509292935727352  7.8003403801485360   T   T   T
  1.5707499999999666  8.1618564180000188  0.0000000000000000   F   F   F
  1.5707500785375297  9.9756022433230278  2.5394500034680880   F   F   F
  1.5818772872087914  8.1621363341230690  5.0976788850987891   T   T   T
  1.5684826481582377  9.9847443900375143  7.6496749570804257   T   T   T
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  0.0000000785375631 12.6962210493229701  2.5394500034680880   F   F   F
  0.0022251528575179 10.8776665771616816  5.0716925735562368   T   T   T
  0.0012938016764048 12.6896393992267100  7.6662148353957944   T   T   T
  9.4245000000000090  0.0000000000000000  0.0000000000000000   F   F   F
  9.4245000785374380  1.8137458253230103  2.5394500034680880   F   F   F
  1.5695517329251603 13.6050642089404192  5.0775533030752076   T   T   T
  9.4264400723688837  1.8159299142794390  7.6642992714595639   T   T   T
  7.8537499999999865  2.7206188060000391  0.0000000000000000   F   F   F
  7.8537500785374164  4.5343646313230481  2.5394500034680880   F   F   F
  7.8666998422169199  2.7193984981719543  5.0591687275704125   T   T   T
  7.8714392889208851  4.5347894694302626  7.6342022575025297   T   T   T
  6.2830000000000190  5.4412376119999823  0.0000000000000000   F   F   F
  6.2830000785374827  7.2549834373229913  2.5394500034680880   F   F   F
  6.2916793251917804  5.4469610884035173  5.0642507333383593   T   T   T
  6.3213019855476480  7.2828575097959840  7.6111888823017653   T   T   T
  4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
  4.7122500785374619  9.9756022433230278  2.5394500034680880   F   F   F
  4.7008440635763984  8.1621669552169145  5.0976721983200912   T   T   T
  4.7147221491842384  9.9848766716437893  7.6499593054936410   T   T   T
  3.1415000000000415 10.8824752239999647  0.0000000000000000   F   F   F
  3.1415000785374954 12.6962210493229701  2.5394500034680880   F   F   F
  3.1415325120696522 10.8914129781589093  5.0703655203446711   T   T   T
  3.1418463373703513 12.6944643339640066  7.6653315409493086   T   T   T
 12.5659999999999332  0.0000000000000000  0.0000000000000000   F   F   F
 12.5660000785374564  1.8137458253230103  2.5394500034680880   F   F   F
  4.7136665167589555 13.6050900219376114  5.0774029608772793   T   T   T
 12.5650740600977251  1.8159511880539168  7.6644588848651996   T   T   T
 10.9952499999996114  2.7206188060000391  0.0000000000000000   F   F   F
 10.9952500785374951  4.5343646313230481  2.5394500034680880   F   F   F
 10.9954504530232953  2.7230522152682202  5.0772174870473927   T   T   T
 10.9956087250476475  4.5386659022720313  7.6610284094988161   T   T   T
  9.4244999999999646  5.4412376119999823  0.0000000000000000   F   F   F
  9.4245000785375268  7.2549834373229913  2.5394500034680880   F   F   F
  9.4264717864996239  5.4479313216278014  5.0705769287491895   T   T   T
  9.4280085652100478  7.2556828400142637  7.6583823485735563   T   T   T
  7.8537499999999438  8.1618564180000188  0.0000000000000000   F   F   F
  7.8537500785375070  9.9756022433230278  2.5394500034680880   F   F   F
  7.8587390365569023  8.1670753366283204  5.0676357267265653   T   T   T
  7.8547504410420474  9.9800610006399051  7.6583732589379174   T   T   T
  6.2829999999999746 10.8824752239999647  0.0000000000000000   F   F   F
  6.2830000785375404 12.6962210493229701  2.5394500034680880   F   F   F
  6.2807858535398848 10.8774968898859896  5.0715825595911754   T   T   T
  6.2822680122893786 12.6898919809104598  7.6657908227638600   T   T   T
  5.2910681399774635  5.1309979199862994 10.1673857923310198   T   T   T
  5.3012123171189591  2.6740685376878290 10.4020313883881492   T   T   T
  3.1496308719903565  1.3800564023417516 10.4186694772655191   T   T   T
  0.9911249829300708  2.6623912424343681 10.4036816934450407   T   T   T
  0.9877127505937682  5.1194613109912712 10.1690365644591409   T   T   T
  4.3690776556796607  4.5603159802358118 10.0230191719557915   T   T   T
  4.3566389996648613  3.1863389889091041 10.1910535158437323   T   T   T
  3.1465989905705216  2.4281781688670083 10.1096586664444548   T   T   T
  1.9327240507879688  3.1798369031177476 10.1921283006194034   T   T   T
  1.9127026577873445  4.5538013079855899 10.0241234902421681   T   T   T
  3.1387621508844763  5.2762457761165278  9.6671146156461241   T   T   T
  3.1346283160297688  6.9979734592303915 10.4027795412291137   T   T   T
### POSCAR for INT12 ###
Mg  H  C Cl
 1.0000000000000000
   15.7074999999999996    0.0000000000000000    0.0000000000000000
   -7.8537499999999998   13.6030940299999994    0.0000000000000000
    0.0000000000000000    0.0000000000000000   35.1578000000000017
 100   5   6   1
Selective dynamics
Cartesian
  0.0000000000000000  0.0000000000000000  0.0000000000000000   F   F   F
  0.0000000785374505  1.8137458253230103  2.5394499999999609   F   F   F
  7.8527771430289475 13.5952270026226696  5.0968148583024044   T   T   T
  0.0001163284142638  1.8017296614740139  7.6826919247322616   T   T   T
 -1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
 -1.5707499214624598  4.5343646313230481  2.5394499999999609   F   F   F
 -1.5685589843579748  2.7174040100847798  5.0834950352071173   T   T   T
 -1.5847357695398521  4.5260968085299362  7.6639539167042079   T   T   T
 -3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
 -3.1414999214624264  7.2549834373229904  2.5394499999999609   F   F   F
 -3.1406684845855755  5.4453340052792152  5.0872680533581818   T   T   T
 -3.1586710775777300  7.2557421293692963  7.6858765857596874   T   T   T
 -4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
 -4.7122499214624476  9.9756022433230278  2.5394499999999609   F   F   F
 10.9954463853382798  8.1605466848151629  5.0804032424473222   T   T   T
 -4.7119869809153387  9.9771045032320753  7.6911634106139894   T   T   T
 -6.2829999999999773 10.8824752239999611  0.0000000000000000   F   F   F
 -6.2829999214624142 12.6962210493229701  2.5394499999999609   F   F   F
  9.4259073018390342 10.8799432156734959  5.0906339637827198   T   T   T
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  3.1415000000000437  0.0000000000000000  0.0000000000000000   F   F   F
  3.1415000785374940  1.8137458253230103  2.5394499999999609   F   F   F
 -4.7118906157037976 13.5828724571879675  5.0890481579885325   T   T   T
  3.1418898569059226  1.7676713747147073  7.6534615360638485   T   T   T
  1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
  1.5707500785374719  4.5343646313230481  2.5394499999999609   F   F   F
  1.5728558157044332  2.6954675787282700  5.0711278690015318   T   T   T
  1.5489356804757843  4.4887359065385635  7.5980487711747653   T   T   T
  0.0000000000000551  5.4412376119999806  0.0000000000000000   F   F   F
  0.0000000785375054  7.2549834373229904  2.5394499999999609   F   F   F
 -0.0086930796263389  5.4329080115487187  5.0679683070818280   T   T   T
 -0.0956140502858034  7.2674229032006261  7.5631919336266860   T   T   T
 -1.5707499999999670  8.1618564180000188  0.0000000000000000   F   F   F
 -1.5707499214625162  9.9756022433230278  2.5394499999999609   F   F   F
 -1.5974318544259103  8.1729476160923760  5.0576495631524638   T   T   T
 -1.5851344290366596  9.9779051857229071  7.6901352709203108   T   T   T
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 -3.1414999999999336 10.8824752239999611  0.0000000000000000   F   F   F
 -3.1414999214624828 12.6962210493229701  2.5394499999999609   F   F   F
 -3.1423413212982809 10.8799051530479680  5.0906310293263166   T   T   T
 -3.1390325473686751 12.6904203534828302  7.6968940719201786   T   T   T
  6.2829999999999773  0.0000000000000000  0.0000000000000000   F   F   F
  6.2830000785375404  1.8137458253230103  2.5394499999999609   F   F   F
 -1.5693978082741076 13.5952354571236480  5.0968424695464654   T   T   T
  6.2835210248875377  1.8014694784231122  7.6827201207148814   T   T   T
  4.7122499999999556  2.7206188060000378  0.0000000000000000   F   F   F
  4.7122500785375179  4.5343646313230481  2.5394499999999609   F   F   F
  4.7107106103212573  2.6955398905134111  5.0712549934822375   T   T   T
  4.7350155619923058  4.4884575439254464  7.5988544354459986   T   T   T
  3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
  3.1415000785375513  7.2549834373229904  2.5394499999999609   F   F   F
  3.1418542363289053  5.4350741537192606  5.1030986505300220   T   T   T
  3.1406513313932560  7.2302633887085026  7.9109150883148587   T   T   T
  1.5707499999999666  8.1618564180000188  0.0000000000000000   F   F   F
  1.5707500785375297  9.9756022433230278  2.5394499999999609   F   F   F
  1.5871433092408402  8.1542758988357811  5.1714033326964621   T   T   T
  1.5096194451118148 10.0064643015737236  7.7162894679449296   T   T   T
  0.0000000000000000 10.8824752239999611  0.0000000000000000   F   F   F
  0.0000000785375631 12.6962210493229701  2.5394499999999609   F   F   F
 -0.0068439362307515 10.8799054370919048  5.0847016055560532   T   T   T
  0.0053151296009641 12.7028744282356385  7.6914448562540354   T   T   T
  9.4245000000000214  0.0000000000000000  0.0000000000000000   F   F   F
  9.4245000785374717  1.8137458253230103  2.5394499999999609   F   F   F
  9.4185361688026905  0.0123799325107288  5.0791851654250735   T   T   T
  9.4182463180514073  1.8246233033443946  7.6967404488654605   T   T   T
  7.8537499999999998  2.7206188060000378  0.0000000000000000   F   F   F
  7.8537500785374501  4.5343646313230481  2.5394499999999609   T   T   T
  7.8518640819145871  2.7174703565879090  5.0837824214170615   T   T   T
  7.8683875612264016  4.5261824492582461  7.6639858438038653   T   T   T
  6.2830000000000332  5.4412376119999806  0.0000000000000000   F   F   F
  6.2830000785374835  7.2549834373229904  2.5394499999999609   F   F   F
  6.2919193937434397  5.4328998149459924  5.0680101510728504   T   T   T
  6.3787936717879399  7.2676575448498291  7.5628139657559039   T   T   T
  4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
  4.7122500785374619  9.9756022433230278  2.5394499999999609   F   F   F
  4.6956563958664903  8.1543027447274987  5.1714856700780354   T   T   T
  4.7731132075612290 10.0063964755542294  7.7163579043932549   T   T   T
  3.1415000000000441 10.8824752239999611  0.0000000000000000   F   F   F
  3.1415000785374954 12.6962210493229701  2.5394499999999609   F   F   F
  3.1413454052278711 10.8847443345073582  5.1453446599827988   T   T   T
  3.1416913505966919 12.7582459482826227  7.6385369295130960   T   T   T
 12.5659999999999545  0.0000000000000000  0.0000000000000000   F   F   F
 12.5660000785375168  1.8137458253230103  2.5394499999999609   F   F   F
 12.5720818440434723  0.0123077242398852  5.0790070485034509   T   T   T
 12.5730068771870851  1.8244759222307292  7.6965930189552179   T   T   T
 10.9952499999999329  2.7206188060000378  0.0000000000000000   F   F   F
 10.9952500785374951  4.5343646313230481  2.5394499999999609   F   F   F
 10.9952857351652291  2.7145814980057903  5.0931389799365805   T   T   T
 10.9956293783040984  4.5328245951938086  7.6969628375911778   T   T   T
  9.4244999999999663  5.4412376119999806  0.0000000000000000   F   F   F
  9.4245000785375286  7.2549834373229904  2.5394499999999609   F   F   F
  9.4239123453561966  5.4453205695521731  5.0873772786427605   T   T   T
  9.4422968617060707  7.2558707950021475  7.6859281303155678   T   T   T
  7.8537499999999438  8.1618564180000188  0.0000000000000000   F   F   F
  7.8537500785375070  9.9756022433230278  2.5394499999999609   F   F   F
  7.8807538664635119  8.1729918645166375  5.0575975837947027   T   T   T
  7.8685432006323719  9.9781859403401363  7.6900848622856524   T   T   T
  6.2829999999999773 10.8824752239999611  0.0000000000000000   F   F   F
  6.2830000785375404 12.6962210493229701  2.5394499999999609   F   F   F
  6.2899830389478062 10.8796459777793082  5.0845315425628099   T   T   T
  6.2781501922409308 12.7029344821461070  7.6914757950359096   T   T   T
  5.3061936744749101  5.5304889353232829  9.7420974772576994   T   T   T
  5.3023953907819870  3.6989422016614761 11.3636359084863692   T   T   T
  3.1470514441725665  2.7106000816073044 12.1660515400327522   T   T   T
  0.9872809224333001  3.6883508990649561 11.3625037457472864   T   T   T
  0.9754268309931060  5.5206561156721712  9.7417436538584017   T   T   T
  4.3321433441739510  5.0989228818330439 10.0307424546863153   T   T   T
  4.3470205991813691  4.0717546498396517 10.9836433994083240   T   T   T
  3.1451754985719980  3.5265097043367559 11.4402045575545923   T   T   T
  1.9410808844512832  4.0659901061019168 10.9830932693421204   T   T   T
  1.9513779010556060  5.0934306893980530 10.0305203011006316   T   T   T
  3.1406143560539475  5.6248564552811304  9.4611023174543032   T   T   T
  3.1413332752802923  9.2634141123057230  9.5278655569871056   T   T   T
### POSCAR for INT13 ###
Mg  C Cl  H
 1.0000000000000000
    15.7074999999999996    0.0000000000000000    0.0000000000000000
    -7.8537499999999998   13.6030940299999994    0.0000000000000000
     0.0000000000000000    0.0000000000000000   35.1578000000000017
 100   1   1   3
Selective dynamics
Cartesian
  0.0000000000000000  0.0000000000000000  0.0000000000000000   F   F   F
  0.0000000785374505  1.8137458253230103  2.5394499999999609   F   F   F
 -0.0005282384304788  0.0081023658915325  5.0983831685209120   T   T   T
  0.0173445087721937  1.8340468826294984  7.6893112876157561   T   T   T
 -1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
 -1.5707499214624598  4.5343646313230481  2.5394499999999609   F   F   F
 -1.5657857938582214  2.7294299854632889  5.0858165711476522   T   T   T
 -1.5545533890257430  4.5395409250560013  7.6881949567370347   T   T   T
 -3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
 -3.1414999214624264  7.2549834373229904  2.5394499999999609   F   F   F
 -3.1317566386970213  5.4466427527325934  5.0890844995684992   T   T   T
 -3.1558954866063180  7.2627120991241743  7.6688087588423794   T   T   T
 -4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
 -4.7122499214624476  9.9756022433230278  2.5394499999999609   F   F   F
 10.9956162120411811  8.1607818677306394  5.0703066731659749   T   T   T
 -4.7118298615587797  9.9820587667399057  7.6637285555657090   T   T   T
 -6.2829999999999773 10.8824752239999611  0.0000000000000000   F   F   F
 -6.2829999214624142 12.6962210493229701  2.5394499999999609   F   F   F
  9.4223056248114254 10.8830360960565979  5.0793716836168112   T   T   T
 -6.2871428971573522 12.6936561195257518  7.6744627952470355   T   T   T
  3.1415000000000437  0.0000000000000000  0.0000000000000000   F   F   F
  3.1415000785374940  1.8137458253230103  2.5394499999999609   F   F   F
 -4.7117993530739559 13.5925270908178781  5.0787265134806612   T   T   T
  3.1419777894753969  1.7701331253315669  7.6295661457234711   T   T   T
  1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
  1.5707500785374719  4.5343646313230481  2.5394499999999609   F   F   F
  1.5770189450610488  2.7275126984423332  5.0851558642960759   T   T   T
  1.5925202856638392  4.5574364136666494  7.6530563300805001   T   T   T
  0.0000000000000551  5.4412376119999806  0.0000000000000000   F   F   F
  0.0000000785375054  7.2549834373229904  2.5394499999999609   F   F   F
  0.0022738094052213  5.4399549486039049  5.0731971276767069   T   T   T
 -0.0763833137649437  7.2633227691801698  7.5942562783323249   T   T   T
 -1.5707499999999670  8.1618564180000188  0.0000000000000000   F   F   F
 -1.5707499214625162  9.9756022433230278  2.5394499999999609   F   F   F
 -1.5876200341866187  8.1717675259925073  5.0620926576314496   T   T   T
 -1.5752795420993237  9.9822658309292898  7.6784408924308956   T   T   T
 -3.1414999999999336 10.8824752239999611  0.0000000000000000   F   F   F
 -3.1414999214624828 12.6962210493229701  2.5394499999999609   F   F   F
 -3.1384912117169135 10.8831158151569998  5.0794624407140523   T   T   T
 -3.1365174706020849 12.6936173312952043  7.6743399461262856   T   T   T
  6.2829999999999773  0.0000000000000000  0.0000000000000000   F   F   F
  6.2830000785375404  1.8137458253230103  2.5394499999999609   F   F   F
  6.2840948740915312  0.0082932347690247  5.0983483882896348   T   T   T
  6.2662581917266360  1.8341439949868703  7.6893716672353936   T   T   T
  4.7122499999999556  2.7206188060000378  0.0000000000000000   F   F   F
  4.7122500785375179  4.5343646313230481  2.5394499999999609   F   F   F
  4.7066054035580356  2.7277656511322164  5.0851822515020091   T   T   T
  4.6915023441449853  4.5579646711326562  7.6530997806370351   T   T   T
  3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
  3.1415000785375513  7.2549834373229904  2.5394499999999609   F   F   F
  3.1416684847571617  5.4400274505780768  5.0481714302582468   T   T   T
  3.1414985996847999  7.1887660479940934  7.7265594509058397   T   T   T
  1.5707499999999666  8.1618564180000188  0.0000000000000000   F   F   F
  1.5707500785375297  9.9756022433230278  2.5394499999999609   F   F   F
  1.5771708967733460  8.1605158853537940  5.1478597839029552   T   T   T
  1.5224098850112506 10.0030823419450403  7.7170200081400679   T   T   T
  0.0000000000000000 10.8824752239999611  0.0000000000000000   F   F   F
  0.0000000785375631 12.6962210493229701  2.5394499999999609   F   F   F
 -0.0038865524882521 10.8870162801893677  5.0808756703634232   T   T   T
  0.0077147258617618 12.7093702875235923  7.6849755268155162   T   T   T
  9.4245000000000214  0.0000000000000000  0.0000000000000000   F   F   F
  9.4245000785374717  1.8137458253230103  2.5394499999999609   F   F   F
  9.4215563807649918  0.0123757946542365  5.0741428257036336   T   T   T
  9.4141224744267618  1.8332979480247018  7.6666870905020722   T   T   T
  7.8537499999999998  2.7206188060000378  0.0000000000000000   F   F   F
  7.8537500785374501  4.5343646313230481  2.5394499999999609   F   F   F
  7.8490762679943522  2.7292987977809786  5.0860602175711582   T   T   T
  7.8384153521584246  4.5396962295526491  7.6883087376097707   T   T   T
  6.2830000000000332  5.4412376119999806  0.0000000000000000   F   F   F
  6.2830000785374835  7.2549834373229904  2.5394499999999609   F   F   F
  6.2810394240779610  5.4400392174262269  5.0733388650438194   T   T   T
  6.3604342528576376  7.2636385075494747  7.5941536976425450   T   T   T
  4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
  4.7122500785374619  9.9756022433230278  2.5394499999999609   F   F   F
  4.7061028248282417  8.1604867111395389  5.1479834195528067   T   T   T
  4.7608653333473789 10.0032035526426384  7.7172436305181451   T   T   T
  3.1415000000000441 10.8824752239999611  0.0000000000000000   F   F   F
  3.1415000785374954 12.6962210493229701  2.5394499999999609   F   F   F
  3.1415120437441200 10.8794095159794786  5.1424660392454085   T   T   T
  3.1417374298654694 12.7480435478480594  7.6364083997442158   T   T   T
 12.5659999999999545  0.0000000000000000  0.0000000000000000   F   F   F
 12.5660000785375168  1.8137458253230103  2.5394499999999609   F   F   F
 12.5691668490891537  0.0123929099643193  5.0740322234832389   T   T   T
 12.5771311334449294  1.8332071297469417  7.6667409834346589   T   T   T
 10.9952499999999329  2.7206188060000378  0.0000000000000000   F   F   F
 10.9952500785374951  4.5343646313230481  2.5394499999999609   F   F   F
 10.9953388586859724  2.7204180238883242  5.0782887756642072   T   T   T
 10.9957764861114420  4.5389891630182158  7.6811248443987141   T   T   T
  9.4244999999999663  5.4412376119999806  0.0000000000000000   F   F   F
  9.4245000785375286  7.2549834373229904  2.5394499999999609   F   F   F
  9.4151056511580329  5.4465470698836169  5.0891867137280498   T   T   T
  9.4400119465123815  7.2627722857833570  7.6687658111040662   T   T   T
  7.8537499999999438  8.1618564180000188  0.0000000000000000   F   F   F
  7.8537500785375070  9.9756022433230278  2.5394499999999609   F   F   F
  7.8713366650692622  8.1718545399865583  5.0620404004773931   T   T   T
  7.8588958071155766  9.9825458162975398  7.6784106183988570   T   T   T
  6.2829999999999773 10.8824752239999611  0.0000000000000000   F   F   F
  6.2830000785375404 12.6962210493229701  2.5394499999999609   F   F   F
  6.2872065367037591 10.8868853284052900  5.0806358824916451   T   T   T
  6.2759205757350625 12.7093786393965100  7.6850639505285647   T   T   T
  3.1424121256977839  5.4104441801926333  9.3394584432228385   T   T   T
  3.1416870549982985  9.0969737097742946  9.4996665480660596   T   T   T
  2.2801942619845996  4.8787002775891413  9.7996218632154246   T   T   T
  4.0166452220677389  4.8993516433815261  9.8006957715823706   T   T   T
  3.1305914499283283  6.3917782530172680  9.8615319450025023   T   T   T
### POSCAR for TS13-14 ###
Mg  C Cl  H
 1.0000000000000000
    15.7074999999999996    0.0000000000000000    0.0000000000000000
    -7.8537499999999998   13.6030940299999994    0.0000000000000000
     0.0000000000000000    0.0000000000000000   35.1578000000000017
 100   1   1   3
Selective dynamics
Cartesian
  0.0000000000000000  0.0000000000000000  0.0000000000000000   F   F   F
  0.0000000785374474  1.8137458253230103  2.5394499999999609   F   F   F
  0.0041265050227855  0.0085981011606775  5.0887802554877961   T   T   T
  0.0164175940019611  1.8305125565119307  7.6830949313597543   T   T   T
 -1.5707500000000227  2.7206188060000391  0.0000000000000000   F   F   F
 -1.5707499214624598  4.5343646313230481  2.5394499999999609   F   F   F
 -1.5641241868019427  2.7266251319244468  5.0894122799631250   T   T   T
 -1.5540971024131134  4.5419136030338461  7.6865043519859784   T   T   T
 -3.1414999999999771  5.4412376119999823  0.0000000000000000   F   F   F
 -3.1414999214624273  7.2549834373229913  2.5394499999999609   F   F   F
 12.5736823002618774  5.4426047754491504  5.0881323491602657   T   T   T
 -3.1518555243082318  7.2594894222679489  7.6662461426372497   T   T   T
 -4.7122499999999858  8.1618564180000188  0.0000000000000000   F   F   F
 -4.7122499214624201  9.9756022433230278  2.5394499999999609   F   F   F
 10.9953455402690743  8.1606237774976353  5.0729136733372515   T   T   T
 -4.7118306584939011  9.9807853247155265  7.6601664157565947   T   T   T
 -6.2829999999999551 10.8824752239999647  0.0000000000000000   F   F   F
 -6.2829999214623866 12.6962210493229701  2.5394499999999609   F   F   F
 -6.2857212910581390 10.8844926288679389  5.0778135022331536   T   T   T
 -6.2840311942137479 12.6949155941135956  7.6673240068224917   T   T   T
  3.1415000000000437  0.0000000000000000  0.0000000000000000   F   F   F
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  3.1415000785374940  1.8137458253230103  2.5394499999999609   F   F   F
 -4.7120819271129957 13.5945515426311481  5.0733735607775419   T   T   T
  3.1410398240111803  1.7730023285612058  7.6337120931285751   T   T   T
  1.5707500000000210  2.7206188060000391  0.0000000000000000   F   F   F
  1.5707500785374719  4.5343646313230481  2.5394499999999609   F   F   F
  1.5771856654757361  2.7203977814265534  5.0797847077268630   T   T   T
  1.5955869701280512  4.5440612834072986  7.6692627749016351   T   T   T
  0.0000000000000560  5.4412376119999823  0.0000000000000000   F   F   F
  0.0000000785375063  7.2549834373229913  2.5394499999999609   F   F   F
  0.0109737364767928  5.4441044544434902  5.0908411995232585   T   T   T
 -0.0565092990271250  7.2709598489755747  7.6236047268721387   T   T   T
 -1.5707499999999559  8.1618564180000188  0.0000000000000000   F   F   F
 -1.5707499214624905  9.9756022433230278  2.5394499999999609   F   F   F
 -1.5806265083821933  8.1702541654552103  5.0723435352926600   T   T   T
 -1.5855530685273829  9.9838020015265521  7.6780704651331666   T   T   T
 -3.1414999999999251 10.8824752239999647  0.0000000000000000   F   F   F
 -3.1414999214624828 12.6962210493229701  2.5394499999999609   F   F   F
 -3.1381693969318585 10.8843052476529518  5.0779644259904693   T   T   T
 -3.1402237169864273 12.6945894374818824  7.6674201769153196   T   T   T
  6.2829999999999666  0.0000000000000000  0.0000000000000000   F   F   F
  6.2830000785375386  1.8137458253230103  2.5394499999999609   F   F   F
  6.2792954343622496  0.0082836428028444  5.0886965958684458   T   T   T
  6.2661300868590253  1.8294812996939820  7.6830445161668441   T   T   T
  4.7122499999999539  2.7206188060000391  0.0000000000000000   F   F   F
  4.7122500785375161  4.5343646313230481  2.5394499999999609   F   F   F
  4.7061194303369218  2.7201953306818254  5.0800925584491834   T   T   T
  4.6856566063868632  4.5418528873010464  7.6697560730073500   T   T   T
  3.1414999999999877  5.4412376119999823  0.0000000000000000   F   F   F
  3.1415000785375486  7.2549834373229913  2.5394499999999609   F   F   F
  3.1416555557967820  5.4167217449328389  5.0354662886932813   T   T   T
  3.1428165669720407  7.1533160441813068  7.5920381682235876   T   T   T
  1.5707499999999666  8.1618564180000188  0.0000000000000000   F   F   F
  1.5707500785375297  9.9756022433230278  2.5394499999999609   F   F   F
  1.5730869218593737  8.1603827565949523  5.1128349439560727   T   T   T
  1.5119628321431016  9.9460921729060310  7.7289214049443364   T   T   T
 -0.0000000000000009 10.8824752239999647  0.0000000000000000   F   F   F
  0.0000000785375631 12.6962210493229701  2.5394499999999609   F   F   F
  0.0013059981677133 10.8828342300896264  5.0924446604010996   T   T   T
 -0.0070026591250301 12.7132592213190936  7.6556619686424199   T   T   T
  9.4245000000000090  0.0000000000000000  0.0000000000000000   F   F   F
  9.4245000785374380  1.8137458253230103  2.5394499999999609   F   F   F
  9.4216975334840463  0.0125594034309829  5.0699033045627955   T   T   T
  9.4129983566162103  1.8295148890786881  7.6759451693484282   T   T   T
  7.8537499999999865  2.7206188060000391  0.0000000000000000   F   F   F
  7.8537500785374164  4.5343646313230481  2.5394499999999609   F   F   F
  7.8471358911884064  2.7260054966845413  5.0898166986062288   T   T   T
  7.8368982154811793  4.5408389500857291  7.6867462273292375   T   T   T
  6.2830000000000190  5.4412376119999823  0.0000000000000000   F   F   F
  6.2830000785374827  7.2549834373229913  2.5394499999999609   F   F   F
  6.2721790179025572  5.4434420739392095  5.0907485064773237   T   T   T
  6.3403037917929010  7.2693886913619554  7.6237945632793966   T   T   T
  4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
  4.7122500785374619  9.9756022433230278  2.5394499999999609   F   F   F
  4.7106631238755767  8.1603764959890910  5.1129172369999853   T   T   T
  4.7728897545689444  9.9459103253418135  7.7283180640524627   T   T   T
  3.1415000000000415 10.8824752239999647  0.0000000000000000   F   F   F
  3.1415000785374954 12.6962210493229701  2.5394499999999609   F   F   F
  3.1416981693473929 10.8843694393032635  5.1535928702493941   T   T   T
  3.1418514605104901 12.7634753902877431  7.6451709138695758   T   T   T
 12.5659999999999332  0.0000000000000000  0.0000000000000000   F   F   F
 12.5660000785373605  1.8137458253230103  2.5394499999999609   F   F   F
 12.5690394245369212  0.0129066847330079  5.0698229014631400   T   T   T
 12.5776869523310957  1.8298678565951725  7.6759597327912807   T   T   T
 10.9952499999993485  2.7206188060000391  0.0000000000000000   F   F   F
 10.9952500785374951  4.5343646313230481  2.5394499999999609   F   F   F
 10.9951275799107329  2.7138404218775087  5.0866964336581777   T   T   T
 10.9954088456559109  4.5366233478705258  7.6743981074666783   T   T   T
  9.4244999999999646  5.4412376119999823  0.0000000000000000   F   F   F
  9.4245000785375268  7.2549834373229913  2.5394499999999609   F   F   F
  9.4167996369485394  5.4424501770357834  5.0885611061891458   T   T   T
  9.4353183162279848  7.2591227800850007  7.6661116818752140   T   T   T
  7.8537499999999438  8.1618564180000188  0.0000000000000000   F   F   F
  7.8537500785375070  9.9756022433230278  2.5394499999999609   F   F   F
  7.8640264199147669  8.1701169083844789  5.0724730723260709   T   T   T
  7.8695834001807663  9.9836587616634063  7.6781398310203208   T   T   T
  6.2829999999999746 10.8824752239999647  0.0000000000000000   F   F   F
  6.2830000785375404 12.6962210493229701  2.5394499999999609   F   F   F
  6.2822565865427311 10.8830615486464577  5.0920408247180831   T   T   T
  6.2905989801546465 12.7135670564171743  7.6555707585128605   T   T   T
  3.1389609293754188  5.5259174883475159  9.3283619471768642   T   T   T
  3.1429190178107103 10.1397000651148250  9.6027925654962036   T   T   T
  2.2399097980020652  5.0875329136730318  9.8159732537857689   T   T   T
  3.9798370915298462  4.9875300678770120  9.8193151957473557   T   T   T
  3.1962071085842214  6.5387262022209409  9.7898360976146481   T   T   T
### POSCAR for INT14 ###
Mg  C Cl  H
 1.0000000000000000
    15.7074999999999996    0.0000000000000000    0.0000000000000000
    -7.8537499999999998   13.6030940299999994    0.0000000000000000
     0.0000000000000000    0.0000000000000000   35.1578000000000017
 100   1   1   3
Selective dynamics
Cartesian
  0.0000000000000000  0.0000000000000000  0.0000000000000000   F   F   F
  0.0000000785374505  1.8137458253230103  2.5394499999999609   F   F   F
  0.0146186479458229  0.0181809849632035  5.0854929672578475   T   T   T
  0.0243701309114606  1.8422005699110444  7.6954150883585335   T   T   T
 -1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
 -1.5707499214624598  4.5343646313230481  2.5394499999999609   F   F   F
 -1.5658912670642375  2.7256947513345264  5.1038592774452640   T   T   T
 -1.5506378807769658  4.5470023595955320  7.7046180413468397   T   T   T
 -3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
 -3.1414999214624264  7.2549834373229904  2.5394499999999609   F   F   F
 -3.1359501710430919  5.4446967672115045  5.0975482461173263   T   T   T
 -3.1476294949315671  7.2646896858234511  7.6816960742233302   T   T   T
 -4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
 -4.7122499214624476  9.9756022433230278  2.5394499999999609   F   F   F
 -4.7114666245011998  8.1657283079959200  5.0815838902046702   T   T   T
 -4.7113727540562724  9.9846472867245790  7.6760932444611987   T   T   T
 -6.2829999999999773 10.8824752239999611  0.0000000000000000   F   F   F
 -6.2829999214624142 12.6962210493229701  2.5394499999999609   F   F   F
 -6.2854221844555243 10.8901516241522422  5.0857157696381776   T   T   T
 -6.2768037095326079 12.7027154407116196  7.6798571853360738   T   T   T
  3.1415000000000437  0.0000000000000000  0.0000000000000000   F   F   F
  3.1415000785374940  1.8137458253230103  2.5394499999999609   F   F   F
 -4.7117283245566046 13.5992862779627774  5.0704894140008685   T   T   T
  3.1424653001657421  1.7768091307609293  7.6311537403264360   T   T   T
  1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
  1.5707500785374719  4.5343646313230481  2.5394499999999609   F   F   F
  1.5783465285247913  2.7298462372445407  5.0821027628186020   T   T   T
  1.6021666579309941  4.5499481858901909  7.6764284341300311   T   T   T
  0.0000000000000551  5.4412376119999806  0.0000000000000000   F   F   F
  0.0000000785375054  7.2549834373229904  2.5394499999999609   F   F   F
  0.0089978339442576  5.4506075571195218  5.1002439681668772   T   T   T
 -0.0452311602325794  7.2795104607862164  7.6524419383684226   T   T   T
 -1.5707499999999670  8.1618564180000188  0.0000000000000000   F   F   F
 -1.5707499214625162  9.9756022433230278  2.5394499999999609   F   F   F
 -1.5754316523068490  8.1755282813185222  5.0862662527390610   T   T   T
 -1.5837716247965776  9.9924639231066728  7.6977842122987967   T   T   T
 -3.1414999999999336 10.8824752239999611  0.0000000000000000   F   F   F
 -3.1414999214624828 12.6962210493229701  2.5394499999999609   F   F   F
 -3.1376911844041464 10.8901461260706149  5.0858839761455430   T   T   T
 -3.1463781566345563 12.7025168250925127  7.6797472460204066   T   T   T
  6.2829999999999773  0.0000000000000000  0.0000000000000000   F   F   F
  6.2830000785375404  1.8137458253230103  2.5394499999999609   F   F   F
  6.2694488239981059  0.0183382323974607  5.0855012860550444   T   T   T
  6.2599482342400359  1.8422585245527241  7.6953508936588131   T   T   T
  4.7122499999999556  2.7206188060000378  0.0000000000000000   F   F   F
  4.7122500785375179  4.5343646313230481  2.5394499999999609   F   F   F
  4.7057345436830342  2.7298173870272819  5.0818319023680720   T   T   T
  4.6837950516452320  4.5505747977562123  7.6748617938154204   T   T   T
  3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
  3.1415000785375513  7.2549834373229904  2.5394499999999609   F   F   F
  3.1419187938301136  5.4317623566724178  5.0417878073738942   T   T   T
  3.1423758268329989  7.1820798489635544  7.6228790885085127   T   T   T
  1.5707499999999666  8.1618564180000188  0.0000000000000000   F   F   F
  1.5707500785375297  9.9756022433230278  2.5394499999999609   F   F   F
  1.5726121260316823  8.1577337998341495  5.0938346110892949   T   T   T
  1.5082713167337012  9.9264953001243690  7.7065591617982410   T   T   T
  0.0000000000000000 10.8824752239999611  0.0000000000000000   F   F   F
  0.0000000785375631 12.6962210493229701  2.5394499999999609   F   F   F
  0.0022397021353360 10.8857332078883342  5.1014957167523249   T   T   T
 -0.0397481551394989 12.7310763715659725  7.6450663578773987   T   T   T
  9.4245000000000214  0.0000000000000000  0.0000000000000000   F   F   F
  9.4245000785374717  1.8137458253230103  2.5394499999999609   F   F   F
  9.4250694505692714  0.0062936055761784  5.0948147272978845   T   T   T
  9.4115109129270884  1.8315822590375892  7.6979579767055304   T   T   T
  7.8537499999999998  2.7206188060000378  0.0000000000000000   F   F   F
  7.8537500785374501  4.5343646313230481  2.5394499999999609   F   F   F
  7.8498921056599489  2.7256782309550811  5.1036740212287324   T   T   T
  7.8357485724435021  4.5471629986565567  7.7044571958608019   T   T   T
  6.2830000000000332  5.4412376119999806  0.0000000000000000   F   F   F
  6.2830000785374835  7.2549834373229904  2.5394499999999609   F   F   F
  6.2752854837765906  5.4506149588404424  5.1000434849445888   T   T   T
  6.3310332761521755  7.2800923802140591  7.6516468522595149   T   T   T
  4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
  4.7122500785374619  9.9756022433230278  2.5394499999999609   F   F   F
  4.7114314069069856  8.1575488992630305  5.0936183212493207   T   T   T
  4.7763404431516348  9.9263602068536017  7.7068936857809458   T   T   T
  3.1415000000000441 10.8824752239999611  0.0000000000000000   F   F   F
  3.1415000785374954 12.6962210493229701  2.5394499999999609   F   F   F
  3.1417781504098690 10.8846870551046209  5.1409657005238873   T   T   T
  3.1422416459214269 12.7747338839305531  7.7021893198033951   T   T   T
 12.5659999999999545  0.0000000000000000  0.0000000000000000   F   F   F
 12.5660000785375168  1.8137458253230103  2.5394499999999609   F   F   F
 12.5661048418380812  0.0063049485005094  5.0947780290864584   T   T   T
 12.5804629815836755  1.8314552501098338  7.6979546046041483   T   T   T
 10.9952499999999329  2.7206188060000378  0.0000000000000000   F   F   F
 10.9952500785374951  4.5343646313230481  2.5394499999999609   F   F   F
 10.9956491129500762  2.7182692693284092  5.0988603528438938   T   T   T
 10.9963757102471451  4.5396347032472200  7.6898204426284540   T   T   T
  9.4244999999999663  5.4412376119999806  0.0000000000000000   F   F   F
  9.4245000785375286  7.2549834373229904  2.5394499999999609   F   F   F
  9.4201112893577950  5.4446792779718489  5.0974119416288239   T   T   T
  9.4330602326306217  7.2647370035915779  7.6814586538352163   T   T   T
  7.8537499999999438  8.1618564180000188  0.0000000000000000   F   F   F
  7.8537500785375070  9.9756022433230278  2.5394499999999609   F   F   F
  7.8600565596717251  8.1756853218956493  5.0858025421619386   T   T   T
  7.8686411911937029  9.9927423180415857  7.6975980972096485   T   T   T
  6.2829999999999773 10.8824752239999611  0.0000000000000000   F   F   F
  6.2830000785375404 12.6962210493229701  2.5394499999999609   F   F   F
  6.2816629858051343 10.8856994308757589  5.1016754517687515   T   T   T
  6.3239334831959573 12.7311421191130414  7.6451386141954378   T   T   T
  3.1463432162226206  5.4716569986121000  9.3364359789544178   T   T   T
  3.1420261858397112 10.8772316425553477  9.4576138539947365   T   T   T
  2.2879185490688401  4.9598835364900600  9.8258169673801365   T   T   T
  4.0276162125721715  4.9974094270891598  9.8233126310334793   T   T   T
  3.1256513089226168  6.4833155416537629  9.7998479404536329   T   T   T
### POSCAR for INT15 ###
Mg  C  H Cl
 1.0000000000000000
    15.7074999999999996    0.0000000000000000    0.0000000000000000
    -7.8537499999999998   13.6030940299999994    0.0000000000000000
     0.0000000000000000    0.0000000000000000   35.1578000000000017
 100   2   3   1
Selective dynamics
Cartesian
  0.0000000000000000  0.0000000000000000  0.0000000000000000   F   F   F
  0.0000000785374505  1.8137458253230103  2.5394499999999609   F   F   F
 -0.0005070369332328  0.0022558338044649  5.0890153612441456   T   T   T
  0.0001953683741371  1.8100356101302872  7.6790183360866280   T   T   T
 -1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
 -1.5707499214624598  4.5343646313230481  2.5394499999999609   F   F   F
 14.1361306785792866  2.7215193207065935  5.0776530748991560   T   T   T
 -1.5748155418198519  4.5280668467609209  7.6756454840470250   T   T   T
 -3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
 -3.1414999214624264  7.2549834373229904  2.5394499999999609   F   F   F
 -3.1332822054566036  5.4442158309959385  5.0818557786457506   T   T   T
 -3.1582646243464056  7.2575398442710171  7.6651063215441626   T   T   T
 -4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
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 -4.7122499214624476  9.9756022433230278  2.5394499999999609   F   F   F
 10.9931559883051513  8.1596836909205948  5.0699716111056974   T   T   T
 -4.7107473148061549  9.9804614735515571  7.6629809978691341   T   T   T
 -6.2829999999999773 10.8824752239999611  0.0000000000000000   F   F   F
 -6.2829999214624142 12.6962210493229701  2.5394499999999609   F   F   F
  9.4233379815014686 10.8797504987431672  5.0769672373709689   T   T   T
 -6.2869868427852289 12.6898235584602705  7.6711814453738052   T   T   T
  3.1415000000000437  0.0000000000000000  0.0000000000000000   F   F   F
  3.1415000785374940  1.8137458253230103  2.5394499999999609   F   F   F
 -4.7124506251840064 13.5914840340327014  5.0782031217472587   T   T   T
  3.1394203031942021  1.7710939830770076  7.6338002135532523   T   T   T
  1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
  1.5707500785374719  4.5343646313230481  2.5394499999999609   F   F   F
  1.5732068238078167  2.7184836735592661  5.0843421888016813   T   T   T
  1.5477773782321944  4.5019163638991593  7.6744801267692067   T   T   T
  0.0000000000000551  5.4412376119999806  0.0000000000000000   F   F   F
  0.0000000785375054  7.2549834373229904  2.5394499999999609   F   F   F
 -0.0016579092924900  5.4289929636514476  5.0721819398980363   T   T   T
 -0.0887713134286230  7.2607767981569404  7.5529843197462903   T   T   T
 -1.5707499999999670  8.1618564180000188  0.0000000000000000   F   F   F
 -1.5707499214625162  9.9756022433230278  2.5394499999999609   F   F   F
 -1.5930910506015858  8.1715208268106760  5.0511683880835623   T   T   T
 -1.5788658562567770  9.9773760660986994  7.6726456355352290   T   T   T
 -3.1414999999999336 10.8824752239999611  0.0000000000000000   F   F   F
 -3.1414999214624828 12.6962210493229701  2.5394499999999609   F   F   F
 -3.1405690823143302 10.8824531021401913  5.0791294579622459   T   T   T
 -3.1375817555211718 12.6943870009277120  7.6726343408959119   T   T   T
  6.2829999999999773  0.0000000000000000  0.0000000000000000   F   F   F
  6.2830000785375404  1.8137458253230103  2.5394499999999609   F   F   F
  6.2825705668744991  0.0043839979180833  5.0930647622224559   T   T   T
  6.2658260577637357  1.8286483150052544  7.6798605907795050   T   T   T
  4.7122499999999556  2.7206188060000378  0.0000000000000000   F   F   F
  4.7122500785375179  4.5343646313230481  2.5394499999999609   F   F   F
  4.7048297141769879  2.7201211760009532  5.0752242927512654   T   T   T
  4.6977070410335768  4.5620471952414015  7.6072246499533733   T   T   T
  3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
  3.1415000785375513  7.2549834373229904  2.5394499999999609   F   F   F
  3.1292926102464711  5.4347120242677311  5.0474914401238786   T   T   T
  3.1880112826187066  7.1896395915984028  7.7860631862524823   T   T   T
  1.5707499999999666  8.1618564180000188  0.0000000000000000   F   F   F
  1.5707500785375297  9.9756022433230278  2.5394499999999609   F   F   F
  1.5878091629911779  8.1530046898731214  5.1563944482622599   T   T   T
  1.5199423276963531  9.9988049805029018  7.7092928936122034   T   T   T
  0.0000000000000000 10.8824752239999611  0.0000000000000000   F   F   F
  0.0000000785375631 12.6962210493229701  2.5394499999999609   F   F   F
 -0.0038660597996243 10.8799762989730198  5.0781891895369027   T   T   T
  0.0054844956693563 12.7060011232671499  7.6752160095047275   T   T   T
  9.4245000000000214  0.0000000000000000  0.0000000000000000   F   F   F
  9.4245000785374717  1.8137458253230103  2.5394499999999609   F   F   F
  9.4198649332372142  0.0102070140560164  5.0680880339860819   T   T   T
  9.4107498629958890  1.8286727412812962  7.6632516995753930   T   T   T
  7.8537499999999998  2.7206188060000378  0.0000000000000000   F   F   F
  7.8537500785374501  4.5343646313230481  2.5394499999999609   F   F   F
  7.8466322508030233  2.7257557330234952  5.0815382391002961   T   T   T
  7.8437607020737410  4.5305429786999794  7.6783044386699615   T   T   T
  6.2830000000000332  5.4412376119999806  0.0000000000000000   F   F   F
  6.2830000785374835  7.2549834373229904  2.5394499999999609   F   F   F
  6.2818673594193157  5.4407310153082857  5.0667082133123751   T   T   T
  6.3719780730383198  7.2566935329102993  7.6100776886093247   T   T   T
  4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
  4.7122500785374619  9.9756022433230278  2.5394499999999609   F   F   F
  4.7085477375085869  8.1504116653858834  5.1595193998015674   T   T   T
  4.7674948153573649 10.0092009985555119  7.7074797045409076   T   T   T
  3.1415000000000441 10.8824752239999611  0.0000000000000000   F   F   F
  3.1415000785374954 12.6962210493229701  2.5394499999999609   F   F   F
  3.1428513907163298 10.8783946590975393  5.1391685316051383   T   T   T
  3.1382975736717995 12.7512509425043152  7.6272590879139379   T   T   T
 12.5659999999999545  0.0000000000000000  0.0000000000000000   F   F   F
 12.5660000785375168  1.8137458253230103  2.5394499999999609   F   F   F
 12.5691071823160083  0.0096950990623803  5.0679123749553003   T   T   T
 12.5681407690316949  1.8265428588698376  7.6654609407195213   T   T   T
 10.9952499999999329  2.7206188060000378  0.0000000000000000   F   F   F
 10.9952500785374951  4.5343646313230481  2.5394499999999609   F   F   F
 10.9933908498507797  2.7152530172588540  5.0751283690978815   T   T   T
 10.9932671134899511  4.5334892317579127  7.6737574525587497   T   T   T
  9.4244999999999663  5.4412376119999806  0.0000000000000000   F   F   F
  9.4245000785375286  7.2549834373229904  2.5394499999999609   F   F   F
  9.4159769138262703  5.4437735707657033  5.0838284810249412   T   T   T
  9.4437331815276249  7.2564760602684011  7.6671954638813675   T   T   T
  7.8537499999999438  8.1618564180000188  0.0000000000000000   F   F   F
  7.8537500785375070  9.9756022433230278  2.5394499999999609   F   F   F
  7.8710827618869734  8.1686210956623579  5.0618668993913953   T   T   T
  7.8642403972565305  9.9790969647980567  7.6711660772042398   T   T   T
  6.2829999999999773 10.8824752239999611  0.0000000000000000   F   F   F
  6.2830000785375404 12.6962210493229701  2.5394499999999609   F   F   F
  6.2893986042603292 10.8835730743931354  5.0757008971360635   T   T   T
  6.2747392827232451 12.7061453165759914  7.6745951061303819   T   T   T
  2.2070357247289278  5.6623663002439946 10.1300713233172992   T   T   T
  3.1696793303949957  5.3498128358182537  9.2145261657053243   T   T   T
  2.2249465749918769  5.3140863551555055 11.1713372647506741   T   T   T
  1.3447859662448649  6.3014023186273009  9.8756967893921868   T   T   T
  3.9495634756373179  4.7206652212837668  9.7025834392506098   T   T   T
  3.1436643105343292  9.1289772449524591  9.4887489567700332   T   T   T
### POSCAR for TS15-16 ###
Mg  C  H Cl
 1.0000000000000000
    15.7074999999999996    0.0000000000000000    0.0000000000000000
    -7.8537499999999998   13.6030940299999994    0.0000000000000000
     0.0000000000000000    0.0000000000000000   35.1578000000000017
 100   2   3   1
Selective dynamics
Cartesian
  0.0000000000000000  0.0000000000000000  0.0000000000000000   F   F   F
  0.0000000785374474  1.8137458253230103  2.5394499999999609   F   F   F
  0.0022929253142756  0.0039233940510530  5.0832855338059746   T   T   T
  0.0015847899488306  1.8114221187070503  7.6787392811226747   T   T   T
 -1.5707500000000227  2.7206188060000391  0.0000000000000000   F   F   F
 -1.5707499214624598  4.5343646313230481  2.5394499999999609   F   F   F
 14.1368603789792218  2.7203818005090032  5.0834955289196619   T   T   T
 -1.5728127257421445  4.5326454421248981  7.6783861198639256   T   T   T
 -3.1414999999999771  5.4412376119999823  0.0000000000000000   F   F   F
 -3.1414999214624273  7.2549834373229913  2.5394499999999609   F   F   F
 12.5717466433556986  5.4412175400882878  5.0832121206157694   T   T   T
 -3.1557298895671679  7.2567451301583947  7.6655122636539961   T   T   T
 -4.7122499999999858  8.1618564180000188  0.0000000000000000   F   F   F
 -4.7122499214624201  9.9756022433230278  2.5394499999999609   F   F   F
 -4.7157195815686483  8.1589864130503393  5.0728704412048664   T   T   T
 -4.7136884886538422  9.9793348909747746  7.6625766231340187   T   T   T
 -6.2829999999999551 10.8824752239999647  0.0000000000000000   F   F   F
 -6.2829999214623866 12.6962210493229701  2.5394499999999609   F   F   F
 -6.2867933743704913 10.8798634384192656  5.0764338097366322   T   T   T
 -6.2850964388195445 12.6913324321569014  7.6695785715546609   T   T   T
  3.1415000000000437  0.0000000000000000  0.0000000000000000   F   F   F
  3.1415000785374940  1.8137458253230103  2.5394499999999609   F   F   F
 -4.7139430050434932 13.5908418397125512  5.0725394434453728   T   T   T
  3.1398389051690248  1.7741919857553452  7.6325835740627683   T   T   T
  1.5707500000000210  2.7206188060000391  0.0000000000000000   F   F   F
  1.5707500785374719  4.5343646313230481  2.5394499999999609   F   F   F
  1.5730577100102068  2.7149250762696409  5.0805336182780252   T   T   T
  1.5521450089290463  4.4968429865205328  7.6931769660287657   T   T   T
  0.0000000000000560  5.4412376119999823  0.0000000000000000   F   F   F
  0.0000000785375063  7.2549834373229913  2.5394499999999609   F   F   F
  0.0056247513214638  5.4345011272454880  5.0879026011840880   T   T   T
 -0.0709308256328063  7.2731111073332810  7.5796044104308482   T   T   T
 -1.5707499999999559  8.1618564180000188  0.0000000000000000   F   F   F
 -1.5707499214624905  9.9756022433230278  2.5394499999999609   F   F   F
 -1.5875412353442169  8.1709642105917606  5.0614598970288665   T   T   T
 -1.5911273932103480  9.9810603273404475  7.6762747473760520   T   T   T
 -3.1414999999999251 10.8824752239999647  0.0000000000000000   F   F   F
 -3.1414999214624828 12.6962210493229701  2.5394499999999609   F   F   F
 -3.1414793370993137 10.8824947306782818  5.0778273070839131   T   T   T
 -3.1432656862859059 12.6953988502542323  7.6700278604691636   T   T   T
  6.2829999999999666  0.0000000000000000  0.0000000000000000   F   F   F
  6.2830000785375386  1.8137458253230103  2.5394499999999609   F   F   F
  6.2777073183965797  0.0051903456479619  5.0843428375222306   T   T   T
  6.2642615394340542  1.8262453857801675  7.6765793402329772   T   T   T
  4.7122499999999539  2.7206188060000391  0.0000000000000000   F   F   F
  4.7122500785375161  4.5343646313230481  2.5394499999999609   F   F   F
  4.7061854285056528  2.7104369837334410  5.0627909487717782   T   T   T
  4.6945309053631288  4.5413848740105225  7.6041512383212622   T   T   T
  3.1414999999999877  5.4412376119999823  0.0000000000000000   F   F   F
  3.1415000785375486  7.2549834373229913  2.5394499999999609   F   F   F
  3.1301647089619173  5.4171646187157547  5.0388145730522842   T   T   T
  3.1676887150358146  7.1651955290136398  7.6759898964440889   T   T   T
  1.5707499999999666  8.1618564180000188  0.0000000000000000   F   F   F
  1.5707500785375297  9.9756022433230278  2.5394499999999609   F   F   F
  1.5832899245161665  8.1531921895646526  5.1236175972036042   T   T   T
  1.5007300557497079  9.9456562272924049  7.7164558066698383   T   T   T
 -0.0000000000000009 10.8824752239999647  0.0000000000000000   F   F   F
  0.0000000785375631 12.6962210493229701  2.5394499999999609   F   F   F
 -0.0008263445491190 10.8776789291175735  5.0893430727838238   T   T   T
 -0.0114632661576426 12.7106228368637701  7.6519206927347510   T   T   T
  9.4245000000000090  0.0000000000000000  0.0000000000000000   F   F   F
  9.4245000785374380  1.8137458253230103  2.5394499999999609   F   F   F
  9.4197818719535675  0.0103824307295374  5.0667051373735497   T   T   T
  9.4090872621517114  1.8265872823500320  7.6751109370231108   T   T   T
  7.8537499999999865  2.7206188060000391  0.0000000000000000   F   F   F
  7.8537500785374164  4.5343646313230481  2.5394499999999609   F   F   F
  7.8430959050773232  2.7244259848646006  5.0870968573461610   T   T   T
  7.8375479890351283  4.5359699199049279  7.6826541045814247   T   T   T
  6.2830000000000190  5.4412376119999823  0.0000000000000000   F   F   F
  6.2830000785374827  7.2549834373229913  2.5394499999999609   F   F   F
  6.2740860720586387  5.4461679445879554  5.0797657363468103   T   T   T
  6.3421472491491606  7.2643022226560054  7.6409764289225928   T   T   T
  4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
  4.7122500785374619  9.9756022433230278  2.5394499999999609   F   F   F
  4.7071220625619485  8.1502060873443227  5.1286204699002882   T   T   T
  4.7797843038585679  9.9548649539353544  7.7152847454586206   T   T   T
  3.1415000000000415 10.8824752239999647  0.0000000000000000   F   F   F
  3.1415000785374954 12.6962210493229701  2.5394499999999609   F   F   F
  3.1410317690698033 10.8843071559684628  5.1461849057843114   T   T   T
  3.1367847776040829 12.7628668963038976  7.6399157559028543   T   T   T
 12.5659999999999332  0.0000000000000000  0.0000000000000000   F   F   F
 12.5660000785374564  1.8137458253230103  2.5394499999999609   F   F   F
 12.5669988862550319  0.0101549403987247  5.0661292070293680   T   T   T
 12.5682971823276475  1.8238420833107338  7.6776624116076819   T   T   T
 10.9952499999994426  2.7206188060000391  0.0000000000000000   F   F   F
 10.9952500785374951  4.5343646313230481  2.5394499999999609   F   F   F
 10.9932568547537723  2.7102776611317663  5.0849395746042845   T   T   T
 10.9911992415901665  4.5327352663693432  7.6748564352597430   T   T   T
  9.4244999999999646  5.4412376119999823  0.0000000000000000   F   F   F
  9.4245000785375268  7.2549834373229913  2.5394499999999609   F   F   F
  9.4170005613841070  5.4406054932042087  5.0853761093721737   T   T   T
  9.4340439092145019  7.2552667262727830  7.6682541047835739   T   T   T
  7.8537499999999438  8.1618564180000188  0.0000000000000000   F   F   F
  7.8537500785375070  9.9756022433230278  2.5394499999999609   F   F   F
  7.8614830089190502  8.1678378259121693  5.0730550988433007   T   T   T
  7.8700666642867914  9.9812710578514903  7.6754298670352359   T   T   T
  6.2829999999999746 10.8824752239999647  0.0000000000000000   F   F   F
  6.2830000785375404 12.6962210493229701  2.5394499999999609   F   F   F
  6.2824162275057702 10.8805908199483419  5.0873963991263080   T   T   T
  6.2877767298237552 12.7100575726461820  7.6522935332239079   T   T   T
  2.1752472414891617  5.6513228418939967 10.1397032662095318   T   T   T
  3.1607281690685083  5.4533223561438975  9.2149225930209493   T   T   T
  2.2112308453611575  5.2421407777517688 11.1580896222513140   T   T   T
  1.2797529862216663  6.2533213232241129  9.9157953555367158   T   T   T
  3.9798892984385708  4.8567262510828524  9.6820060378402424   T   T   T
  3.1374782390496767 10.1294139726771348  9.5803287346364581   T   T   T
### POSCAR for INT16 ###
Mg  C  H Cl
 1.0000000000000000
    15.7074999999999996    0.0000000000000000    0.0000000000000000
    -7.8537499999999998   13.6030940299999994    0.0000000000000000
     0.0000000000000000    0.0000000000000000   35.1578000000000017
 100   2   3   1
Selective dynamics
Cartesian
  0.0000000000000000  0.0000000000000000  0.0000000000000000   F   F   F
  0.0000000785374505  1.8137458253230103  2.5394499999999609   F   F   F
  0.0126867114031971  0.0091634709628581  5.0831847607599867   T   T   T
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 0.0081928865981595  1.8157283243244557  7.6926297800111065   T   T   T
-1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
-1.5707499214624598  4.5343646313230481  2.5394499999999609   F   F   F
14.1346008787198407  2.7150351700370821  5.0995223368799296   T   T   T
-1.5722143922979777  4.5309893038400935  7.6974981721225264   T   T   T
-3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
-3.1414999214624264  7.2549834373229904  2.5394499999999609   F   F   F
-3.1379116351239560  5.4394387601726617  5.0937887984909764   T   T   T
-3.1514380050572885  7.2546257551783464  7.6808271850966205   T   T   T
-4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
-4.7122499214624476  9.9756022433230278  2.5394499999999609   F   F   F
10.9931946957083255  8.1611022329259324  5.0819059924061944   T   T   T
-4.7111869990329218  9.9777751290464138  7.6797377999332097   T   T   T
-6.2829999999999773 10.8824752239999611  0.0000000000000000   F   F   F
-6.2829999214624142 12.6962210493229701  2.5394499999999609   F   F   F
 9.4225974611088432 10.8832836579125782  5.0858806915455270   T   T   T
-6.2763144218722680 12.6949383507316202  7.6832971525678513   T   T   T
 3.1415000000000437  0.0000000000000000  0.0000000000000000   F   F   F
 3.1415000785374940  1.8137458253230103  2.5394499999999609   F   F   F
-4.7127019030302373 13.5950688512314102  5.0749513536627591   T   T   T
 3.1413348138884576  1.7787698603931492  7.6360356564040099   T   T   T
 1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
 1.5707500785374719  4.5343646313230481  2.5394499999999609   F   F   F
 1.5739290949580191  2.7186089900389030  5.0835804120744594   T   T   T
 1.5531092595609395  4.4995606892076898  7.7013162090825977   T   T   T
 0.0000000000000551  5.4412376119999806  0.0000000000000000   F   F   F
 0.0000000785375054  7.2549834373229904  2.5394499999999609   F   F   F
 0.0035026264560098  5.4366543349758407  5.0989084250059475   T   T   T
-0.0635635254280551  7.2758028745241603  7.6018878513444852   T   T   T
-1.5707499999999670  8.1618564180000188  0.0000000000000000   F   F   F
-1.5707499214625162  9.9756022433230278  2.5394499999999609   F   F   F
-1.5827758264966270  8.1726086276462357  5.0760205600936530   T   T   T
-1.5895362746445469  9.9830607182550164  7.6983376417393519   T   T   T
-3.1414999999999336 10.8824752239999611  0.0000000000000000   F   F   F
-3.1414999214624828 12.6962210493229701  2.5394499999999609   F   F   F
-3.1397123178210218 10.8857204900659390  5.0882195492928286   T   T   T
-3.1486391279161206 12.6985043904332215  7.6853980439476848   T   T   T
 6.2829999999999773  0.0000000000000000  0.0000000000000000   F   F   F
 6.2830000785375404  1.8137458253230103  2.5394499999999609   F   F   F
 6.2694331759485342  0.0107562349176111  5.0846071196412836   T   T   T
 6.2593024059761033  1.8315022743657203  7.6904067974404278   T   T   T
 4.7122499999999556  2.7206188060000378  0.0000000000000000   F   F   F
 4.7122500785375179  4.5343646313230481  2.5394499999999609   F   F   F
 4.7072756354512375  2.7148249411974494  5.0661355890281854   T   T   T
 4.6963223277906572  4.5479953264825843  7.6099618002906331   T   T   T
 3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
 3.1415000785375513  7.2549834373229904  2.5394499999999609   F   F   F
 3.1300462955120416  5.4234649503915469  5.0488651417935486   T   T   T
 3.1760727270527269  7.1798519176676168  7.6914068001286644   T   T   T
 1.5707499999999666  8.1618564180000188  0.0000000000000000   F   F   F
 1.5707500785375297  9.9756022433230278  2.5394499999999609   F   F   F
 1.5826395473296273  8.1467087610371411  5.1046077262066962   T   T   T
 1.5013869796266128  9.9154784689125997  7.6997920545639351   T   T   T
 0.0000000000000000 10.8824752239999611  0.0000000000000000   F   F   F
 0.0000000785375631 12.6962210493229701  2.5394499999999609   F   F   F
 0.0011973109308983 10.8759689048374479  5.1011021807581081   T   T   T
-0.0432220421867218 12.7195506178450017  7.6443552560848174   T   T   T
 9.4245000000000214  0.0000000000000000  0.0000000000000000   F   F   F
 9.4245000785374717  1.8137458253230103  2.5394499999999609   F   F   F
 1.5695646074919196 13.6019452347764851  5.0941248030898878   T   T   T
 9.4080539926488225  1.8197370110633171  7.6985131884245472   T   T   T
 7.8537499999999998  2.7206188060000378  0.0000000000000000   F   F   F
 7.8537500785374501  4.5343646313230481  2.5394499999999609   F   F   F
 7.8464748664812429  2.7194708512296040  5.1023897648037950   T   T   T
 7.8399995441888652  4.5351538661544888  7.7019634406247457   T   T   T
 6.2830000000000332  5.4412376119999806  0.0000000000000000   F   F   F
 6.2830000785374835  7.2549834373229904  2.5394499999999609   F   F   F
 6.2783329873191303  5.4492598164583246  5.0904544417690580   T   T   T
 6.3432131494274602  7.2688888411274535  7.6676871508842979   T   T   T
 4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
 4.7122500785374619  9.9756022433230278  2.5394499999999609   F   F   F
 4.7103934191333900  8.1429379239868105  5.1107866393071752   T   T   T
 4.7888407365639347  9.9268054171491329  7.6938574866930560   T   T   T
 3.1415000000000441 10.8824752239999611  0.0000000000000000   F   F   F
 3.1415000785374954 12.6962210493229701  2.5394499999999609   F   F   F
 3.1416966161948823 10.8792390469676032  5.1364400343194463   T   T   T
 3.1379171148927760 12.7640272445561038  7.6971715970645667   T   T   T
12.5659999999999545  0.0000000000000000  0.0000000000000000   F   F   F
12.5660000785375168  1.8137458253230103  2.5394499999999609   F   F   F
 4.7102306890207020 13.6015136943671973  5.0933315349312327   T   T   T
12.5711085272792733  1.8168822950869796  7.7011256044553695   T   T   T
10.9952499999999329  2.7206188060000378  0.0000000000000000   F   F   F
10.9952500785374951  4.5343646313230481  2.5394499999999609   F   F   F
10.9935223114285545  2.7105630671755172  5.0986116979962297   T   T   T
10.9927956913381291  4.5274888647891425  7.6918143727655606   T   T   T
 9.4244999999999663  5.4412376119999806  0.0000000000000000   F   F   F
 9.4245000785375286  7.2549834373229904  2.5394499999999609   F   F   F
 9.4206571095565650  5.4392435358734392  5.0958923203212318   T   T   T
 9.4353412309037985  7.2536638953802255  7.6831744123053252   T   T   T
 7.8537499999999438  8.1618564180000188  0.0000000000000000   F   F   F
 7.8537500785375070  9.9756022433230278  2.5394499999999609   F   F   F
 7.8596542368672528  8.1697680855146899  5.0870031398167548   T   T   T
 7.8751367034468069  9.9845603956840474  7.6952681400443321   T   T   T
 6.2829999999999773 10.8824752239999611  0.0000000000000000   F   F   F
 6.2830000785375404 12.6962210493229701  2.5394499999999609   F   F   F
 6.2836406451862539 10.8797656742908799  5.0973648314132394   T   T   T
 6.3224680186985784 12.7196278181451259  7.6434523694167789   T   T   T
 2.1787698721897453  5.6386248422797109 10.1387757458629100   T   T   T
 3.1719600476371861  5.4455584569326945  9.2209152214575436   T   T   T
 2.1968313982864709  5.2091653345074151 11.1491459492253515   T   T   T
 1.2972435796150639  6.2615699441276575  9.9175223196355446   T   T   T
 3.9772916435529018  4.8279969109680154  9.6852168920563404   T   T   T
 3.1429378005181778 10.8541080070058822  9.4424674013606378   T   T   T
### POSCAR for INT17 ###
Mg  H  C Cl
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    15.7074999999999996    0.0000000000000000    0.0000000000000000
    -7.8537499999999998   13.6030940299999994    0.0000000000000000
     0.0000000000000000    0.0000000000000000   35.1578000000000017
 100   5   6   1
Selective dynamics
Cartesian
  0.0000000000000000  0.0000000000000000  0.0000000000000000   F   F   F
  0.0000000785374505  1.8137458253230103  2.5394499999999609   F   F   F
  7.8527094638992612 13.5953198118149778  5.0962532552706605   T   T   T
  0.0000734885142895  1.8018118985017972  7.6817583282358086   T   T   T
 -1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
 -1.5707499214624598  4.5343646313230481  2.5394499999999609   F   F   F
 -1.5685360158049746  2.7174992031202616  5.0829259596438217   T   T   T
 -1.5846852313448592  4.5261673380127352  7.6631579403936101   T   T   T
 -3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
 -3.1414999214624264  7.2549834373229904  2.5394499999999609   F   F   F
 -3.1406174540674625  5.4453647591094789  5.0866855374525279   T   T   T
 -3.1586426383483754  7.2557757527244808  7.6847760250114767   T   T   T
 -4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
 -4.7122499214624476  9.9756022433230278  2.5394499999999609   F   F   F
 10.9954480685068532  8.1605578372866887  5.0798117143670281   T   T   T
 -4.7119982298867447  9.9771436322885521  7.6899346774910695   T   T   T
 -6.2829999999999773 10.8824752239999611  0.0000000000000000   F   F   F
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  9.4258282236181454 10.8799969720005798  5.0900330540825074   T   T   T
 -6.2849800841454089 12.6907769483012807  7.6957779854362425   T   T   T
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  3.1415000785374940  1.8137458253230103  2.5394499999999609   F   F   F
 -4.7118901421208053 13.5830711141520766  5.0885330255445487   T   T   T
  3.1418814067485217  1.7679170002612530  7.6527565067267362   T   T   T
  1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
  1.5707500785374719  4.5343646313230481  2.5394499999999609   F   F   F
  1.5728380431515667  2.6956835567028121  5.0706968989352950   T   T   T
  1.5487918485953900  4.4887427507270052  7.5975420705585464   T   T   T
  0.0000000000000551  5.4412376119999806  0.0000000000000000   F   F   F
  0.0000000785375054  7.2549834373229904  2.5394499999999609   F   F   F
 -0.0085949146875528  5.4329973852229605  5.0675761229763561   T   T   T
 -0.0953440666491323  7.2674091503115061  7.5628599519302844   T   T   T
 -1.5707499999999670  8.1618564180000188  0.0000000000000000   F   F   F
 -1.5707499214625162  9.9756022433230278  2.5394499999999609   F   F   F
 -1.5972446669822158  8.1729406287377557  5.0573174833856855   T   T   T
 -1.5850994637367517  9.9779254826172394  7.6892121983921458   T   T   T
 -3.1414999999999336 10.8824752239999611  0.0000000000000000   F   F   F
 -3.1414999214624828 12.6962210493229701  2.5394499999999609   F   F   F
 -3.1422631188726995 10.8799569389326845  5.0900466346988429   T   T   T
 -3.1390471267424722 12.6905124538520777  7.6957517864987661   T   T   T
  6.2829999999999773  0.0000000000000000  0.0000000000000000   F   F   F
  6.2830000785375404  1.8137458253230103  2.5394499999999609   F   F   F
 -1.5693326233469653 13.5953296041033180  5.0962810128303841   T   T   T
  6.2835575257979706  1.8015638351972827  7.6817898198580989   T   T   T
  4.7122499999999556  2.7206188060000378  0.0000000000000000   F   F   F
  4.7122500785375179  4.5343646313230481  2.5394499999999609   F   F   F
  4.7107156081209336  2.6957489068270535  5.0708306110725836   T   T   T
  4.7351598363339438  4.4884371185458871  7.5983377581938241   T   T   T
  3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
  3.1415000785375513  7.2549834373229904  2.5394499999999609   F   F   F
  3.1418451255894198  5.4352848736816881  5.1033068011398326   T   T   T
  3.1406547859110496  7.2300947709764127  7.9114666608186273   T   T   T
  1.5707499999999666  8.1618564180000188  0.0000000000000000   F   F   F
  1.5707500785375297  9.9756022433230278  2.5394499999999609   F   F   F
  1.5872764545469051  8.1543579803780233  5.1712563460914520   T   T   T
  1.5097241815395650 10.0064465950496153  7.7160316536094626   T   T   T
  0.0000000000000000 10.8824752239999611  0.0000000000000000   F   F   F
  0.0000000785375631 12.6962210493229701  2.5394499999999609   F   F   F
 -0.0067110354560098 10.8799123732714378  5.0843436880528063   T   T   T
  0.0053368820916289 12.7029294302320839  7.6905043461575984   T   T   T
  9.4245000000000214  0.0000000000000000  0.0000000000000000   F   F   F
  9.4245000785374717  1.8137458253230103  2.5394499999999609   F   F   F
  9.4185815372829715  0.0123618928807818  5.0786617198820894   T   T   T
  9.4182940213097464  1.8246767672866304  7.6954900445758460   T   T   T
  7.8537499999999998  2.7206188060000378  0.0000000000000000   F   F   F
  7.8537500785374501  4.5343646313230481  2.5394499999999609   F   F   F
  7.8518323980322107  2.7175553516631332  5.0832285845556822   T   T   T
  7.8683339509813219  4.5262497473564434  7.6631751361321587   T   T   T
  6.2830000000000332  5.4412376119999806  0.0000000000000000   F   F   F
  6.2830000785374835  7.2549834373229904  2.5394499999999609   F   F   F
  6.2918073797867248  5.4329931466347929  5.0675969434930641   T   T   T
  6.3785185957937980  7.2676400996534181  7.5624765323853538   T   T   T
  4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
  4.7122500785374619  9.9756022433230278  2.5394499999999609   F   F   F
  4.6955110117028749  8.1543855983659093  5.1713366844646123   T   T   T
  4.7730125967949304 10.0064000865559226  7.7160902298808107   T   T   T
  3.1415000000000441 10.8824752239999611  0.0000000000000000   F   F   F
  3.1415000785374954 12.6962210493229701  2.5394499999999609   F   F   F
  3.1413404817255817 10.8846969798923983  5.1451451001718524   T   T   T
  3.1416833426270907 12.7582156487111167  7.6378612884197450   T   T   T
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 12.5720364148428683  0.0122934688456883  5.0784967778754293   T   T   T
 12.5729728013987785  1.8245376953726371  7.6953483205588018   T   T   T
 10.9952499999999329  2.7206188060000378  0.0000000000000000   F   F   F
 10.9952500785374951  4.5343646313230481  2.5394499999999609   F   F   F
 10.9952780340460681  2.7146420691635673  5.0924277979803341   T   T   T
 10.9956422543062278  4.5328815036063723  7.6957209893088798   T   T   T
  9.4244999999999663  5.4412376119999806  0.0000000000000000   F   F   F
  9.4245000785375286  7.2549834373229904  2.5394499999999609   F   F   F
  9.4238722815383120  5.4453500485698054  5.0868082557968695   T   T   T
  9.4422425524442879  7.2558863501860884  7.6848302544229128   T   T   T
  7.8537499999999438  8.1618564180000188  0.0000000000000000   F   F   F
  7.8537500785375070  9.9756022433230278  2.5394499999999609   F   F   F
  7.8805670150534475  8.1729823649083322  5.0572765002255533   T   T   T
  7.8685092216079093  9.9782035476408844  7.6891462685033742   T   T   T
  6.2829999999999773 10.8824752239999611  0.0000000000000000   F   F   F
  6.2830000785375404 12.6962210493229701  2.5394499999999609   F   F   F
  6.2898392888177348 10.8796532984437118  5.0841729595185763   T   T   T
  6.2781234561014845 12.7029997255334486  7.6905340634576695   T   T   T
  5.3062045985920863  5.5305809698103934  9.7431533534038053   T   T   T
  5.3024355857199374  3.6984616944897795 11.3640719654394609   T   T   T
  3.1470385440705897  2.7098447739064904 12.1662557401625691   T   T   T
  0.9871767838681254  3.6878998262650957 11.3629752703433624   T   T   T
  0.9754197820967758  5.5207892517474404  9.7428316475169989   T   T   T
  4.3321022021984792  5.0993218375568103 10.0321490378653060   T   T   T
  4.3470942562777868  4.0717164653365785 10.9846379630298792   T   T   T
  3.1450593940593428  3.5263592999654807 11.4410339822165952   T   T   T
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  1.9411501692422259  4.0659775564533582 10.9841053518607303   T   T   T
  1.9513309748915959  5.0938343947428111 10.0319608032251022   T   T   T
  3.1406570729178260  5.6254933397378624  9.4628056141017431   T   T   T
  3.1413337226901987  9.2639168247818784  9.5291350928130516   T   T   T
### POSCAR for TS17-18 ###
Mg  H  C Cl
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    15.7074999999999996    0.0000000000000000    0.0000000000000000
    -7.8537499999999998   13.6030940299999994    0.0000000000000000
     0.0000000000000000    0.0000000000000000   35.1578000000000017
 100   5   6   1
Selective dynamics
Cartesian
  0.0000000000000000  0.0000000000000000  0.0000000000000000   F   F   F
  0.0000000785374474  1.8137458253230103  2.5394499999999609   F   F   F
 -7.8552449373912792 13.5936562681337918  5.0770441401941664   T   T   T
 -0.0037977968000529  1.7922741820507482  7.6521331345157284   T   T   T
 -1.5707500000000227  2.7206188060000391  0.0000000000000000   F   F   F
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 14.1366748631633747  2.7128699436631996  5.0778562979524073   T   T   T
 -1.5863579721636158  4.5224268722107217  7.6483675823704083   T   T   T
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 12.5638546593870579  5.4397703205155367  5.0802154648405340   T   T   T
 -3.1522663586428372  7.2497064538860307  7.6668735097623841   T   T   T
 -4.7122499999999858  8.1618564180000188  0.0000000000000000   F   F   F
 -4.7122499214624201  9.9756022433230278  2.5394499999999609   F   F   F
 -4.7120124545552918  8.1580054327540878  5.0763647319957714   T   T   T
 -4.7118738022437707  9.9726745781741322  7.6677139305416588   T   T   T
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 -6.2839135887751025 10.8797200553049453  5.0829840329168952   T   T   T
 -6.2808825738742566 12.6918403091067766  7.6728007255914328   T   T   T
  3.1415000000000437  0.0000000000000000  0.0000000000000000   F   F   F
  3.1415000785374940  1.8137458253230103  2.5394499999999609   F   F   F
 -4.7119731764378283 13.5807183860978746  5.0717710092919530   T   T   T
  3.1417364831957215  1.7675203184410251  7.6273793194954616   T   T   T
  1.5707500000000210  2.7206188060000391  0.0000000000000000   F   F   F
  1.5707500785374719  4.5343646313230481  2.5394499999999609   F   F   F
  1.5705517242732228  2.6888038482374257  5.0519417217926348   T   T   T
  1.5355819319355475  4.4668759460035536  7.5666537457645946   T   T   T
  0.0000000000000560  5.4412376119999823  0.0000000000000000   F   F   F
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 -1.5884135702403652  8.1719441629886926  5.0607349313338554   T   T   T
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 -3.1414999214624828 12.6962210493229701  2.5394499999999609   F   F   F
 -3.1399242488457615 10.8794923693147361  5.0830267941300828   T   T   T
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  6.2830000785375386  1.8137458253230103  2.5394499999999609   F   F   F
 -1.5690693103365385 13.5935397148101664  5.0770388215008770   T   T   T
  6.2871245840692893  1.7920818086130661  7.6519931471134965   T   T   T
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  4.7122500785375161  4.5343646313230481  2.5394499999999609   F   F   F
  4.7125517601921878  2.6887736571341136  5.0520223954064862   T   T   T
  4.7481092075873637  4.4665839507693059  7.5668905686862127   T   T   T
  3.1414999999999877  5.4412376119999823  0.0000000000000000   F   F   F
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  3.1417127803227767  5.4329702774786890  5.0995240382313503   T   T   T
  3.1418520829672811  7.2059355838453945  7.8484554369494122   T   T   T
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  1.5707500785375297  9.9756022433230278  2.5394499999999609   F   F   F
  1.5908803401502496  8.1512562294006941  5.1438478955964531   T   T   T
  1.4943430701292000  9.9513157958434135  7.7137988203166428   T   T   T
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  0.0000000785375631 12.6962210493229701  2.5394499999999609   F   F   F
  0.0018223557757038 10.8727664363098508  5.0902526394610401   T   T   T
 -0.0102153573721919 12.6989164919879691  7.6489880573669229   T   T   T
  9.4245000000000090  0.0000000000000000  0.0000000000000000   F   F   F
  9.4245000785374380  1.8137458253230103  2.5394499999999609   F   F   F
  9.4239381595401284  0.0060374921190072  5.0740863306613120   T   T   T
  9.4214706709430693  1.8100373104819245  7.6840263052961282   T   T   T
  7.8537499999999865  2.7206188060000391  0.0000000000000000   F   F   F
  7.8537500785374164  4.5343646313230481  2.5394499999999609   F   F   F
  7.8537844490077084  2.7128128565713183  5.0777489223367205   T   T   T
  7.8702087547710651  4.5222948876263498  7.6477400519457799   T   T   T
  6.2830000000000190  5.4412376119999823  0.0000000000000000   F   F   F
  6.2830000785374827  7.2549834373229913  2.5394499999999609   F   F   F
  6.2914410329387955  5.4357281613814239  5.0644826671123617   T   T   T
  6.3553549103599805  7.2681121914814106  7.5712095753588375   T   T   T
  4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
  4.7122500785374619  9.9756022433230278  2.5394499999999609   F   F   F
  4.6918539357712197  8.1513949221010318  5.1437260170970536   T   T   T
  4.7894066139107530  9.9515161800954193  7.7137515070317564   T   T   T
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  3.1415000785374954 12.6962210493229701  2.5394499999999609   F   F   F
  3.1414331215069975 10.8845450327778366  5.1475898106000040   T   T   T
  3.1416795883863102 12.7466895906947162  7.6583008589013328   T   T   T
 12.5659999999999332  0.0000000000000000  0.0000000000000000   F   F   F
 12.5660000785373605  1.8137458253230103  2.5394499999999609   F   F   F
 12.5664333870728075  0.0060933878604449  5.0739908907842617   T   T   T
 12.5694926418470683  1.8101293933561118  7.6840197737027047   T   T   T
 10.9952499999995563  2.7206188060000391  0.0000000000000000   F   F   F
 10.9952500785374951  4.5343646313230481  2.5394499999999609   F   F   F
 10.9950558808751371  2.7078338137242692  5.0907407442480288   T   T   T
 10.9956132591189117  4.5237482459891520  7.6762734315952574   T   T   T
  9.4244999999999646  5.4412376119999823  0.0000000000000000   F   F   F
  9.4245000785375268  7.2549834373229913  2.5394499999999609   F   F   F
  9.4268746572878062  5.4398562220201372  5.0800739803621555   T   T   T
  9.4361177202128133  7.2497204183683275  7.6666757641736867   T   T   T
  7.8537499999999438  8.1618564180000188  0.0000000000000000   F   F   F
  7.8537500785375070  9.9756022433230278  2.5394499999999609   F   F   F
  7.8720607148612709  8.1721596556162694  5.0601788763204691   T   T   T
  7.8755741044592886  9.9756992774340301  7.6767547652886643   T   T   T
  6.2829999999999746 10.8824752239999647  0.0000000000000000   F   F   F
  6.2830000785375404 12.6962210493229701  2.5394499999999609   F   F   F
  6.2814063282025909 10.8727172488379384  5.0901303925840873   T   T   T
  6.2934073735593739 12.6990586018914566  7.6490181096356595   T   T   T
  5.3087259343891979  5.5786940610595463  9.7678336958519338   T   T   T
  5.3072333898500350  3.5046329798556388 11.0755838925745707   T   T   T
  3.1521468214375368  2.3884042191157770 11.6915220936230000   T   T   T
  0.9923088164808291  3.4965206011712988 11.0775162291359042   T   T   T
  0.9817987252333102  5.5704942896574625  9.7695318112850451   T   T   T
  4.3367985296159342  5.1089521579642856  9.9918518137469086   T   T   T
  4.3515898478918640  3.9383464569701392 10.7659750026751322   T   T   T
  3.1501064060692254  3.3200642521373909 11.1215375365963123   T   T   T
  1.9459918660021311  3.9338207872414084 10.7669596302372028   T   T   T
  1.9556989231771924  5.1043030238260130  9.9926133398101253   T   T   T
  3.1449076822007211  5.7104171660067466  9.5013828166652115   T   T   T
  3.1416762151707003 10.1842116060576817  9.5749905038234377   T   T   T
### POSCAR for INT18 ###
Mg  H  C Cl
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    -7.8537499999999998   13.6030940299999994    0.0000000000000000
     0.0000000000000000    0.0000000000000000   35.1578000000000017
 100   5   6   1
Selective dynamics
Cartesian
  0.0000000000000000  0.0000000000000000  0.0000000000000000   F   F   F
  0.0000000785374505  1.8137458253230103  2.5394499999999609   F   F   F
  0.0106992617700301  0.0077067481497911  5.0816095603313203   T   T   T
  0.0051937290578832  1.8163404514923887  7.6820583673577447   T   T   T
 -1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
 -1.5707499214624598  4.5343646313230481  2.5394499999999609   F   F   F
 14.1371396750958311  2.7188286056539588  5.0945636694803706   T   T   T
 -1.5828836320496478  4.5395513495484483  7.6718213703577138   T   T   T
 -3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
 -3.1414999214624264  7.2549834373229904  2.5394499999999609   F   F   F
 -3.1433992176380521  5.4484982430848445  5.0889425076247976   T   T   T
 -3.1516655812743588  7.2641486496167662  7.6857492931920195   T   T   T
 -4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
 -4.7122499214624476  9.9756022433230278  2.5394499999999609   F   F   F
 -4.7118740132273285  8.1696186485135787  5.0830264142664721   T   T   T
 -4.7122153480186473  9.9856285502548392  7.6914062116232031   T   T   T
 -6.2829999999999773 10.8824752239999611  0.0000000000000000   F   F   F
 -6.2829999214624142 12.6962210493229701  2.5394499999999609   F   F   F
 -6.2831699099301757 10.8917765140538592  5.0917148258775713   T   T   T
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  1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
  1.5707500785374719  4.5343646313230481  2.5394499999999609   F   F   F
  1.5726782005324802  2.7050506977754512  5.0641850244236286   T   T   T
  1.5508618113494763  4.4868556582643215  7.6143535950097192   T   T   T
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 -0.0039413049577672  5.4450457501291680  5.0847984231510504   T   T   T
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 -1.5707499999999670  8.1618564180000188  0.0000000000000000   F   F   F
 -1.5707499214625162  9.9756022433230278  2.5394499999999609   F   F   F
 -1.5855187307136474  8.1819581326799042  5.0742217988456284   T   T   T
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  6.2724428805213819  0.0078721759303317  5.0816241167294152   T   T   T
  6.2779254891498741  1.8164077009026443  7.6819775356789251   T   T   T
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  4.7122500785375179  4.5343646313230481  2.5394499999999609   F   F   F
  4.7104683506004417  2.7051076654611195  5.0644342627173247   T   T   T
  4.7326329743367452  4.4869091299932444  7.6151884345174610   T   T   T
  3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
  3.1415000785375513  7.2549834373229904  2.5394499999999609   F   F   F
  3.1417281468169684  5.4350062432638717  5.1073822726471665   T   T   T
  3.1412791127480855  7.2224222127900699  7.8093757866768021   T   T   T
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  1.5707500785375297  9.9756022433230278  2.5394499999999609   F   F   F
  1.5845020287094718  8.1545501703638568  5.1217303967429686   T   T   T
  1.4915704797573044  9.9427165430294764  7.6957194266286937   T   T   T
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  0.0000000785375631 12.6962210493229701  2.5394499999999609   F   F   F
 -0.0005664676444672 10.8836976613277727  5.0990159584886792   T   T   T
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  9.4245000785374717  1.8137458253230103  2.5394499999999609   F   F   F
  9.4246508086264296  0.0063429132223173  5.0990654446897565   T   T   T
  9.4170787919304590  1.8256837291604417  7.7130168972144695   T   T   T
  7.8537499999999998  2.7206188060000378  0.0000000000000000   F   F   F
  7.8537500785374501  4.5343646313230481  2.5394499999999609   F   F   F
  7.8535004894127622  2.7187605976575036  5.0944771069778767   T   T   T
  7.8667148773181204  4.5394983546005303  7.6715127679795945   T   T   T
  6.2830000000000332  5.4412376119999806  0.0000000000000000   F   F   F
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  6.2871439422350193  5.4447334973787864  5.0849770273596340   T   T   T
  6.3561518445215777  7.2898192478265109  7.5968702177845016   T   T   T
  4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
  4.7122500785374619  9.9756022433230278  2.5394499999999609   F   F   F
  4.6985370251269112  8.1544908113517316  5.1217569219895696   T   T   T
  4.7915565993794251  9.9425257394805726  7.6955905109074131   T   T   T
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  3.1415000785374954 12.6962210493229701  2.5394499999999609   F   F   F
  3.1414049558444699 10.8925944107456374  5.1352045221428488   T   T   T
  3.1416995559604342 12.7741052700993247  7.7051412395140408   T   T   T
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 12.5660000785375168  1.8137458253230103  2.5394499999999609   F   F   F
 12.5658512080322282  0.0063581524290843  5.0990282132293565   T   T   T
 12.5738807647008066  1.8255562149817153  7.7129674863899220   T   T   T
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 10.9952500785374951  4.5343646313230481  2.5394499999999609   F   F   F
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 10.9951864338745651  2.7184517715778007  5.1045259970169568   T   T   T
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  9.4244999999999663  5.4412376119999806  0.0000000000000000   F   F   F
  9.4245000785375286  7.2549834373229904  2.5394499999999609   F   F   F
  9.4267767640237103  5.4485161192418090  5.0889245456071501   T   T   T
  9.4355395165366289  7.2640582703851067  7.6856043210017750   T   T   T
  7.8537499999999438  8.1618564180000188  0.0000000000000000   F   F   F
  7.8537500785375070  9.9756022433230278  2.5394499999999609   F   F   F
  7.8691493626959232  8.1819402643043126  5.0738493225753256   T   T   T
  7.8779550101610472  9.9940530845259108  7.7008447352071858   T   T   T
  6.2829999999999773 10.8824752239999611  0.0000000000000000   F   F   F
  6.2830000785375404 12.6962210493229701  2.5394499999999609   F   F   F
  6.2836622157551210 10.8835483151042389  5.0991218587365541   T   T   T
  6.3247546849241134 12.7256441658102890  7.6482013707916199   T   T   T
  5.3083306974639921  5.6290052916401248  9.7566559952610916   T   T   T
  5.3043050874733328  3.7882672130584756 11.3681842493886371   T   T   T
  3.1487656506201560  2.7948648053330638 12.1650717046926342   T   T   T
  0.9892937933020862  3.7795991228860948 11.3685227785669802   T   T   T
  0.9774655396610039  5.6206857944864614  9.7573987526035690   T   T   T
  4.3341475995017964  5.1994640402576406 10.0462369862008902   T   T   T
  4.3487392540674339  4.1652602452028198 10.9920479968689868   T   T   T
  3.1471830137703485  3.6162157520604272 11.4454842315854517   T   T   T
  1.9430554268330984  4.1605260328708331 10.9922626854489351   T   T   T
  1.9535707063320880  5.1948360186045752 10.0465185941807444   T   T   T
  3.1426524587415980  5.7286438887714244  9.4787770551042740   T   T   T
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### POSCAR for INT19 ###
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     0.0000000000000000    0.0000000000000000   35.1578000000000017
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Selective dynamics
Cartesian
  0.0000000000000000  0.0000000000000000  0.0000000000000000   F   F   F
  0.0000000785374505  1.8137458253230103  2.5394499999999609   F   F   F
  7.8518991477752031 13.6016175420203016  5.0814637935743523   T   T   T
  0.0025572360806081  1.8134769282373651  7.6642861677605287   T   T   T
 -1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
 -1.5707499214624598  4.5343646313230481  2.5394499999999609   F   F   F
 -1.5714700026408273  2.7219475817516319  5.0706626594910462   T   T   T
 -1.5741983053433242  4.5267118891279488  7.6589176677474029   T   T   T
 -3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
 -3.1414999214624264  7.2549834373229904  2.5394499999999609   F   F   F
 -3.1378278392113730  5.4427857299007032  5.0705305927908944   T   T   T
 -3.1486796474457979  7.2539582148266764  7.6587681062747119   T   T   T
 -4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
 -4.7122499214624476  9.9756022433230278  2.5394499999999609   F   F   F
 10.9964188182998779  8.1597074720738050  5.0709595643778229   T   T   T
 -4.7100663221169015  9.9765791915711635  7.6634482722932171   T   T   T
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 -6.2829999214624142 12.6962210493229701  2.5394499999999609   F   F   F
  9.4225206551996870 10.8807021547430214  5.0813936472713248   T   T   T
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  3.1415000785374940  1.8137458253230103  2.5394499999999609   F   F   F
  3.1426990281018825  0.0007197026956342  5.0799392440579751   T   T   T
  3.1434885704975697  1.8159838912889890  7.6662901100917198   T   T   T
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  1.5707500785374719  4.5343646313230481  2.5394499999999609   F   F   F
  1.5720676534092364  2.7247632248018334  5.0823100395628806   T   T   T
  1.5655028369090824  4.5371818303351681  7.6742940562533706   T   T   T
  0.0000000000000551  5.4412376119999806  0.0000000000000000   F   F   F
  0.0000000785375054  7.2549834373229904  2.5394499999999609   F   F   F
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 -1.5707499214625162  9.9756022433230278  2.5394499999999609   F   F   F
 -1.5767535805276514  8.1624766965743323  5.0669279876110638   T   T   T
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 -3.1414999999999336 10.8824752239999611  0.0000000000000000   F   F   F
 -3.1414999214624828 12.6962210493229701  2.5394499999999609   F   F   F
 -3.1372060284710672 10.8809378334644595  5.0813804573674375   T   T   T
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  6.2830000785375404  1.8137458253230103  2.5394499999999609   F   F   F
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  6.2846225039664514  1.8134147040438349  7.6650371200015917   T   T   T
  4.7122499999999556  2.7206188060000378  0.0000000000000000   F   F   F
  4.7122500785375179  4.5343646313230481  2.5394499999999609   F   F   F
  4.7134277888983416  2.7249955209827279  5.0829621596957555   T   T   T
  4.7216509259845481  4.5373764904291818  7.6754787344250532   T   T   T
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  3.1415000785375513  7.2549834373229904  2.5394499999999609   F   F   F
  3.1427704964575627  5.4375110163628850  5.0785517512705631   T   T   T
  3.1432607466911593  7.2028808025434774  7.7311757802667733   T   T   T
  1.5707499999999666  8.1618564180000188  0.0000000000000000   F   F   F
  1.5707500785375297  9.9756022433230278  2.5394499999999609   F   F   F
  1.5766228299197964  8.1643411909265904  5.1452001988937672   T   T   T
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  0.0000000000000000 10.8824752239999611  0.0000000000000000   F   F   F
  0.0000000785375631 12.6962210493229701  2.5394499999999609   F   F   F
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  9.4211931684010146  0.0060711462384657  5.0663397201536586   T   T   T
  9.4231076609124056  1.8223721453007165  7.6586953201503478   T   T   T
  7.8537499999999998  2.7206188060000378  0.0000000000000000   F   F   F
  7.8537500785374501  4.5343646313230481  2.5394499999999609   F   F   F
  7.8566792434989789  2.7218683951241456  5.0715941896354879   T   T   T
  7.8617962575415028  4.5269288570779329  7.6601356454344751   T   T   T
  6.2830000000000332  5.4412376119999806  0.0000000000000000   F   F   F
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  6.2870344446888744  5.4348434459103263  5.0683119083869359   T   T   T
  6.3274608471531000  7.2308379418353281  7.6376320926027921   T   T   T
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  4.7122500785374619  9.9756022433230278  2.5394499999999609   F   F   F
  4.7088941810886000  8.1641720049655131  5.1460569308135788   T   T   T
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 12.5660000785374049  1.8137458253230103  2.5394499999999609   F   F   F
 12.5714341620295400  0.0059973265550471  5.0659659269152106   T   T   T
 12.5719199263858119  1.8222979432547948  7.6579094026543491   T   T   T
 10.9952499999998210  2.7206188060000378  0.0000000000000000   F   F   F
 10.9952500785374951  4.5343646313230481  2.5394499999999609   F   F   F
 10.9962392916775009  2.7178474438870772  5.0703653163649873   T   T   T
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  9.4245000785375286  7.2549834373229904  2.5394499999999609   F   F   F
  9.4232755749305497  5.4427469611854455  5.0710250798360681   T   T   T
  9.4362833771690404  7.2541008513953278  7.6593805771612873   T   T   T
  7.8537499999999438  8.1618564180000188  0.0000000000000000   F   F   F
  7.8537500785375070  9.9756022433230278  2.5394499999999609   F   F   F
  7.8620040108616882  8.1623113549699724  5.0676986658690533   T   T   T
  7.8572428282901381  9.9683181357867454  7.6725840362324229   T   T   T
  6.2829999999999773 10.8824752239999611  0.0000000000000000   F   F   F
  6.2830000785375404 12.6962210493229701  2.5394499999999609   F   F   F
  6.2875400568120892 10.8842973758385675  5.0769296992990558   T   T   T
  6.2789622767340401 12.7012099146244939  7.6714877088788862   T   T   T
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### POSCAR for TS19-20 ###
Mg Cl
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    -7.8537499999999998   13.6030940299999994    0.0000000000000000
     0.0000000000000000    0.0000000000000000   35.1578000000000017
 100   1
Selective dynamics
Cartesian
  0.0000000000000000  0.0000000000000000  0.0000000000000000   F   F   F
  0.0000000785374474  1.8137458253230103  2.5394499999999609   F   F   F
  0.0051203991990257  0.0032755283637425  5.0978640628343852   T   T   T
  0.0054446428509261  1.8171788593511311  7.7011924261215619   T   T   T
 -1.5707500000000227  2.7206188060000391  0.0000000000000000   F   F   F
 -1.5707499214624598  4.5343646313230481  2.5394499999999609   F   F   F
 -1.5681001397470427  2.7238542181091465  5.0993926831734928   T   T   T
 -1.5670822056632812  4.5375192930909227  7.7018855696132791   T   T   T
 -3.1414999999999771  5.4412376119999823  0.0000000000000000   F   F   F
 -3.1414999214624273  7.2549834373229913  2.5394499999999609   F   F   F
 12.5679374356357840  5.4425088671692592  5.0975207246824530   T   T   T
 -3.1393869651949267  7.2590883449120067  7.6994693613268215   T   T   T
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 -4.7105263680090861  8.1596128081379948  5.0984422021381137   T   T   T
 -4.7092395610374806  9.9789982177990897  7.7062737544680813   T   T   T
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 -6.2829999214623866 12.6962210493229701  2.5394499999999609   F   F   F
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 -6.2792177795679791 12.6992219040985823  7.7003030531128047   T   T   T
  3.1415000000000437  0.0000000000000000  0.0000000000000000   F   F   F
  3.1415000785374940  1.8137458253230103  2.5394499999999609   F   F   F
  3.1434446857606835 -0.0015192545423201  5.0969489074650651   T   T   T
  3.1437855520664009  1.8156078107239362  7.6940042807261646   T   T   T
  1.5707500000000210  2.7206188060000391  0.0000000000000000   F   F   F
  1.5707500785374719  4.5343646313230481  2.5394499999999609   F   F   F
  1.5724676461011842  2.7183611102487975  5.0927730969390277   T   T   T
  1.5715116382231087  4.5298366695162242  7.6974585430841618   T   T   T
  0.0000000000000560  5.4412376119999823  0.0000000000000000   F   F   F
  0.0000000785375063  7.2549834373229913  2.5394499999999609   F   F   F
  0.0040256846085613  5.4408432722326401  5.0985419443340252   T   T   T
 -0.0055753587650962  7.2440503604534268  7.6920282097993740   T   T   T
 -1.5707499999999559  8.1618564180000188  0.0000000000000000   F   F   F
 -1.5707499214624905  9.9756022433230278  2.5394499999999609   F   F   F
 -1.5699436397017346  8.1639245930873230  5.0976082406977454   T   T   T
 -1.5753276427797225  9.9770444211550799  7.7082675244858621   T   T   T
 -3.1414999999999251 10.8824752239999647  0.0000000000000000   F   F   F
 -3.1414999214624828 12.6962210493229701  2.5394499999999609   F   F   F
 -3.1380956702911904 10.8814910890552401  5.1047698934261643   T   T   T
 -3.1400083358668400 12.6989747984464323  7.7004727668644248   T   T   T
  6.2829999999999666  0.0000000000000000  0.0000000000000000   F   F   F
  6.2830000785375386  1.8137458253230103  2.5394499999999609   F   F   F
  6.2816525653205080  0.0026856764960840  5.0979183468683962   T   T   T
  6.2823359508945540  1.8169824273315938  7.7004194222306968   T   T   T
  4.7122499999999539  2.7206188060000391  0.0000000000000000   F   F   F
  4.7122500785375161  4.5343646313230481  2.5394499999999609   F   F   F
  4.7136328757398731  2.7180808444351867  5.0924509174713011   T   T   T
  4.7163649132187508  4.5295175859693924  7.6967195363000132   T   T   T
  3.1414999999999877  5.4412376119999823  0.0000000000000000   F   F   F
  3.1415000785375486  7.2549834373229913  2.5394499999999609   F   F   F
  3.1428873696818478  5.4220266665167980  5.0765249851705967   T   T   T
  3.1446026413162382  7.1933438235481457  7.6594318853932988   T   T   T
  1.5707499999999666  8.1618564180000188  0.0000000000000000   F   F   F
  1.5707500785375297  9.9756022433230278  2.5394499999999609   F   F   F
  1.5763366063782271  8.1654359226320778  5.1251057908062672   T   T   T
  1.5130872944556231  9.9728873783496308  7.7260417889695212   T   T   T
 -0.0000000000000009 10.8824752239999647  0.0000000000000000   F   F   F
  0.0000000785375631 12.6962210493229701  2.5394499999999609   F   F   F
 -0.0039588000724793 10.8883906035563633  5.0934429720071925   T   T   T
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  9.4245000000000090  0.0000000000000000  0.0000000000000000   F   F   F
  9.4245000785374380  1.8137458253230103  2.5394499999999609   F   F   F
  9.4170160080615641  0.0149766198319644  5.0774787953166367   T   T   T
  9.4197518649683989  1.8288164698476590  7.7103817670865560   T   T   T
  7.8537499999999865  2.7206188060000391  0.0000000000000000   F   F   F
  7.8537500785374164  4.5343646313230481  2.5394499999999609   F   F   F
  7.8540878560739724  2.7235610488000610  5.0985078482717441   T   T   T
  7.8550585229828478  4.5369307543396618  7.7006021990189684   T   T   T
  6.2830000000000190  5.4412376119999823  0.0000000000000000   F   F   F
  6.2830000785374827  7.2549834373229913  2.5394499999999609   F   F   F
  6.2819975102692407  5.4401710934888445  5.0974174245252293   T   T   T
  6.2947347863270764  7.2430351032466005  7.6898081647081220   T   T   T
  4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
  4.7122500785374619  9.9756022433230278  2.5394499999999609   F   F   F
  4.7097555339465087  8.1649656085404914  5.1242073316803944   T   T   T
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  4.7776549927044174  9.9725159226650977  7.7231692823311251   T   T   T
  3.1415000000000415 10.8824752239999647  0.0000000000000000   F   F   F
  3.1415000785374954 12.6962210493229701  2.5394499999999609   F   F   F
  3.1430231231601873 10.8893503215800944  5.1515982200769539   T   T   T
  3.1442346234009753 12.7765393839703396  7.6412107946621513   T   T   T
 12.5659999999999332  0.0000000000000000  0.0000000000000000   F   F   F
 12.5660000785373605  1.8137458253230103  2.5394499999999609   F   F   F
 12.5766058401695151  0.0150180067167740  5.0772796540798097   T   T   T
 12.5755511409502603  1.8288059702550092  7.7109703370553841   T   T   T
 10.9952499999994942  2.7206188060000391  0.0000000000000000   F   F   F
 10.9952500785374951  4.5343646313230481  2.5394499999999609   F   F   F
 10.9966527695607024  2.7145129852163437  5.1035766607823652   T   T   T
 10.9976544520804396  4.5392775244635315  7.7019786739915217   T   T   T
  9.4244999999999646  5.4412376119999823  0.0000000000000000   F   F   F
  9.4245000785375268  7.2549834373229913  2.5394499999999609   F   F   F
  9.4255333597273872  5.4423247919533626  5.0970107102220688   T   T   T
  9.4280490171750309  7.2587964843660604  7.6985608196473914   T   T   T
  7.8537499999999438  8.1618564180000188  0.0000000000000000   F   F   F
  7.8537500785375070  9.9756022433230278  2.5394499999999609   F   F   F
  7.8564453241557066  8.1637204379537920  5.0967153307037210   T   T   T
  7.8648260263793750  9.9770863291414091  7.7064376342524543   T   T   T
  6.2829999999999746 10.8824752239999647  0.0000000000000000   F   F   F
  6.2830000785375404 12.6962210493229701  2.5394499999999609   F   F   F
  6.2908085030973879 10.8888234196657443  5.0925014826167851   T   T   T
  6.2922781734522193 12.7113777112023385  7.6786379654114461   T   T   T
  3.1472487278002674  9.9564626192624832  9.5989336471361320   T   T   T
### POSCAR for INT20 ###
Mg Cl
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    15.7074999999999996    0.0000000000000000    0.0000000000000000
    -7.8537499999999998   13.6030940299999994    0.0000000000000000
     0.0000000000000000    0.0000000000000000   35.1578000000000017
 100   1
Selective dynamics
Cartesian
  0.0000000000000000  0.0000000000000000  0.0000000000000000   F   F   F
  0.0000000785374505  1.8137458253230103  2.5394499999999609   F   F   F
  0.0108810516012926  0.0071623636115639  5.0685313595121251   T   T   T
  0.0097084459647734  1.8217337912858709  7.6674825898187757   T   T   T
 -1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
 -1.5707499214624598  4.5343646313230481  2.5394499999999609   F   F   F
 14.1364373337648548  2.7189971665231534  5.0863877379081819   T   T   T
 -1.5694662599885254  4.5368764972730045  7.6753337541216906   T   T   T
 -3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
 -3.1414999214624264  7.2549834373229904  2.5394499999999609   F   F   F
 -3.1415650852059405  5.4431582982808049  5.0786919676619666   T   T   T
 -3.1394764176225256  7.2574209599230173  7.6688419077785790   T   T   T
 -4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
 -4.7122499214624476  9.9756022433230278  2.5394499999999609   F   F   F
 -4.7112092507480767  8.1618993757275256  5.0786683087200277   T   T   T
 -4.7103628075044011  9.9775175790922379  7.6748806863015746   T   T   T
 -6.2829999999999773 10.8824752239999611  0.0000000000000000   F   F   F
 -6.2829999214624142 12.6962210493229701  2.5394499999999609   F   F   F
  9.4221939751041752 10.8841744290525657  5.0863374526894942   T   T   T
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  3.1415000000000437  0.0000000000000000  0.0000000000000000   F   F   F
  3.1415000785374940  1.8137458253230103  2.5394499999999609   F   F   F
  3.1424795212455057  0.0021831624118191  5.0692745883749799   T   T   T
  3.1431486455772468  1.8159971063295821  7.6580513808641797   T   T   T
  1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
  1.5707500785374719  4.5343646313230481  2.5394499999999609   F   F   F
  1.5723005527856342  2.7217064026094970  5.0696214952055385   T   T   T
  1.5712518538044242  4.5267150480241849  7.6680976586848120   T   T   T
  0.0000000000000551  5.4412376119999806  0.0000000000000000   F   F   F
  0.0000000785375054  7.2549834373229904  2.5394499999999609   F   F   F
  0.0031240622679407  5.4451706515595362  5.0868213878714661   T   T   T
 -0.0021552025931584  7.2472185157777043  7.6894080935905373   T   T   T
 -1.5707499999999670  8.1618564180000188  0.0000000000000000   F   F   F
 -1.5707499214625162  9.9756022433230278  2.5394499999999609   F   F   F
 -1.5642522212874899  8.1662153960997887  5.0872674224677557   T   T   T
 -1.5795353777827472  9.9795520240455193  7.6886718345664136   T   T   T
 -3.1414999999999336 10.8824752239999611  0.0000000000000000   F   F   F
 -3.1414999214624828 12.6962210493229701  2.5394499999999609   F   F   F
 -3.1370500348466117 10.8843229901147733  5.0863366815490716   T   T   T
 -3.1488177068513030 12.7025157504247499  7.6670738139562706   T   T   T
  6.2829999999999773  0.0000000000000000  0.0000000000000000   F   F   F
  6.2830000785375404  1.8137458253230103  2.5394499999999609   F   F   F
  6.2740576533671550  0.0072345290764538  5.0688170631902185   T   T   T
  6.2767234844034077  1.8217280769495614  7.6677590523552759   T   T   T
  4.7122499999999556  2.7206188060000378  0.0000000000000000   F   F   F
  4.7122500785375179  4.5343646313230481  2.5394499999999609   F   F   F
  4.7127265125969995  2.7217834027440713  5.0699576264824575   T   T   T
  4.7149477468520971  4.5266815312147139  7.6686474275122896   T   T   T
  3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
  3.1415000785375513  7.2549834373229904  2.5394499999999609   F   F   F
  3.1425810086587949  5.4309224907879265  5.0695535669421279   T   T   T
  3.1431752318580637  7.2065741964524710  7.6314853484251977   T   T   T
  1.5707499999999666  8.1618564180000188  0.0000000000000000   F   F   F
  1.5707500785375297  9.9756022433230278  2.5394499999999609   F   F   F
  1.5739034808052095  8.1621266639745240  5.0890979370045528   T   T   T
  1.5066472314619483  9.9398182082085871  7.7005273939840944   T   T   T
  0.0000000000000000 10.8824752239999611  0.0000000000000000   F   F   F
  0.0000000785375631 12.6962210493229701  2.5394499999999609   F   F   F
  0.0015159531885347 10.8858362267271680  5.0887078045359635   T   T   T
 -0.0421576556949717 12.7237123432172421  7.6300570700455808   T   T   T
  9.4245000000000214  0.0000000000000000  0.0000000000000000   F   F   F
  9.4245000785374717  1.8137458253230103  2.5394499999999609   F   F   F
  1.5699653364280133 13.6027955563987639  5.0885177818946241   T   T   T
  9.4194548374786677  1.8242383851603894  7.6888716447546246   T   T   T
  7.8537499999999998  2.7206188060000378  0.0000000000000000   F   F   F
  7.8537500785374501  4.5343646313230481  2.5394499999999609   F   F   F
  7.8559284225926334  2.7190321652729224  5.0869019280191257   T   T   T
  7.8561430003621089  4.5369065402429927  7.6757636271870346   T   T   T
  6.2830000000000332  5.4412376119999806  0.0000000000000000   F   F   F
  6.2830000785374835  7.2549834373229904  2.5394499999999609   F   F   F
  6.2820004293686029  5.4449722059824284  5.0873622012993884   T   T   T
  6.2887041061055982  7.2471907393642025  7.6899301865905185   T   T   T
  4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
  4.7122500785374619  9.9756022433230278  2.5394499999999609   F   F   F
  4.7109746236081431  8.1620624565486484  5.0892283917867331   T   T   T
  4.7804869153553353  9.9396572977108288  7.7009663866471412   T   T   T
  3.1415000000000441 10.8824752239999611  0.0000000000000000   F   F   F
  3.1415000785374954 12.6962210493229701  2.5394499999999609   F   F   F
  3.1423255466666999 10.8833024096795263  5.1385857074349710   T   T   T
  3.1433863589987991 12.7751980017421527  7.6998563223331784   T   T   T
 12.5659999999999545  0.0000000000000000  0.0000000000000000   F   F   F
 12.5660000785374049  1.8137458253230103  2.5394499999999609   F   F   F
  4.7147626835543504 13.6027038919008589  5.0884549900694403   T   T   T
 12.5747283957975444  1.8242212648592935  7.6886852060135906   T   T   T
 10.9952499999998210  2.7206188060000378  0.0000000000000000   F   F   F
 10.9952500785374951  4.5343646313230481  2.5394499999999609   F   F   F
 10.9960828692994514  2.7156604216541922  5.0870348945057220   T   T   T
 10.9970613076844224  4.5363314468123903  7.6686627421972782   T   T   T
  9.4244999999999663  5.4412376119999806  0.0000000000000000   F   F   F
  9.4245000785375286  7.2549834373229904  2.5394499999999609   F   F   F
  9.4265865136016043  5.4432280434697633  5.0789435713649018   T   T   T
  9.4263351819142613  7.2573136825451030  7.6689612447700304   T   T   T
  7.8537499999999438  8.1618564180000188  0.0000000000000000   F   F   F
  7.8537500785375070  9.9756022433230278  2.5394499999999609   F   F   F
  7.8491631817417824  8.1660400691323023  5.0874673108880915   T   T   T
  7.8663316736673208  9.9798185260168637  7.6890852129721225   T   T   T
  6.2829999999999773 10.8824752239999611  0.0000000000000000   F   F   F
  6.2830000785375404 12.6962210493229701  2.5394499999999609   F   F   F
  6.2832914060328440 10.8857027318375525  5.0887854551620118   T   T   T
  6.3286391979807526 12.7237162276898861  7.6299220364455502   T   T   T
  3.1435905808624192 10.8862941366593056  9.4523102241530577   T   T   T
### POSCAR for INT21 ###
Mg  C  H
 1.0000000000000000
    15.7074999999999996    0.0000000000000000    0.0000000000000000
    -7.8537499999999998   13.6030940299999994    0.0000000000000000
     0.0000000000000000    0.0000000000000000   35.1578000000000017
 100   1   3
Selective dynamics
Cartesian
  0.0000000000000000  0.0000000000000000  0.0000000000000000   F   F   F
  0.0000000785374505  1.8137458253230103  2.5394499999999609   F   F   F
  0.0000616889126650  0.0083239213268538  5.0965295737303027   T   T   T
  0.0048918623739662  1.8462524493319004  7.6875603225426232   T   T   T
 -1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
 -1.5707499214624598  4.5343646313230481  2.5394499999999609   F   F   F
 14.1320184571363345  2.7141593186647683  5.0741818428181960   T   T   T
 -1.6026009203215106  4.5172803267300603  7.6342626600832340   T   T   T
 -3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
 -3.1414999214624264  7.2549834373229904  2.5394499999999609   F   F   F
 12.5570541123030832  5.4418489162630808  5.0747922095086144   T   T   T
 -3.1111563388298267  7.2450069440216183  7.6890171611613081   T   T   T
 -4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
 -4.7122499214624476  9.9756022433230278  2.5394499999999609   F   F   F
 -4.7052400313529619  8.1593466384790965  5.0968540606447235   T   T   T
 -4.7027401845546297  9.9715759274208438  7.6834393633121829   T   T   T
 -6.2829999999999773 10.8824752239999611  0.0000000000000000   F   F   F
 -6.2829999214624142 12.6962210493229701  2.5394499999999609   F   F   F
 -6.2828929949758896 10.8832266857506834  5.0969449963869442   T   T   T
 -6.2830729446323739 12.7083386050019396  7.6832177529744126   T   T   T
  3.1415000000000437  0.0000000000000000  0.0000000000000000   F   F   F
  3.1415000785374940  1.8137458253230103  2.5394499999999609   F   F   F
  3.1410003986432913  0.0083254623652134  5.0966709884275367   T   T   T
  3.1359428396338398  1.8462957736906946  7.6877879460848932   T   T   T
  1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
  1.5707500785374719  4.5343646313230481  2.5394499999999609   F   F   F
  1.5707570694285216  2.7240984677875941  5.0813841511936646   T   T   T
  1.5702927467959662  4.5910559702981546  7.7144960953561856   T   T   T
  0.0000000000000551  5.4412376119999806  0.0000000000000000   F   F   F
  0.0000000785375054  7.2549834373229904  2.5394499999999609   F   F   F
  0.0018611414906684  5.4432250270981077  5.1157765827794393   T   T   T
  0.0508283282014768  7.2247021346462343  7.7206444841180577   T   T   T
 -1.5707499999999670  8.1618564180000188  0.0000000000000000   F   F   F
 -1.5707499214625162  9.9756022433230278  2.5394499999999609   F   F   F
 -1.5679117244635155  8.1607090601476564  5.0831363865709562   T   T   T
 -1.5456672495312995  9.9555862526931946  7.6890754592351653   T   T   T
 -3.1414999999999336 10.8824752239999611  0.0000000000000000   F   F   F
 -3.1414999214624828 12.6962210493229701  2.5394499999999609   F   F   F
 -3.1351764890401848 10.8788316748861327  5.0969525859460427   T   T   T
 -3.1410458602987532 12.6977441831294602  7.6824397271621701   T   T   T
  6.2829999999999773  0.0000000000000000  0.0000000000000000   F   F   F
  6.2830000785375404  1.8137458253230103  2.5394499999999609   F   F   F
  6.2850562362668692  0.0017824628167286  5.0782441575496051   T   T   T
  6.2831182987760936  1.8088234508294954  7.6722888611769999   T   T   T
  4.7122499999999556  2.7206188060000378  0.0000000000000000   F   F   F
  4.7122500785375179  4.5343646313230481  2.5394499999999609   F   F   F
  4.7168029646237386  2.7141139280552884  5.0745946301435325   T   T   T
  4.7435372712748709  4.5173254811564636  7.6349513347236480   T   T   T
  3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
  3.1415000785375513  7.2549834373229904  2.5394499999999609   F   F   F
  3.1395581039466713  5.4432316886560015  5.1159579378766669   T   T   T
  3.0902219060384741  7.2243214250963774  7.7213571365736575   T   T   T
  1.5707499999999666  8.1618564180000188  0.0000000000000000   F   F   F
  1.5707500785375297  9.9756022433230278  2.5394499999999609   F   F   F
  1.5708255358866445  8.1589694077389563  5.1170955645498850   T   T   T
  1.5708823939991818 10.0102438549013097  7.6352811949621850   T   T   T
  0.0000000000000000 10.8824752239999611  0.0000000000000000   F   F   F
  0.0000000785375631 12.6962210493229701  2.5394499999999609   F   F   F
 -0.0042057554624710 10.8899857923126788  5.0753249936627718   T   T   T
 -0.0051868901625438 12.6997464592780211  7.6733325645944417   T   T   T
  9.4245000000000214  0.0000000000000000  0.0000000000000000   F   F   F
  9.4245000785374717  1.8137458253230103  2.5394499999999609   F   F   F
  1.5705946808628442 13.6015842131776488  5.0798377404313063   T   T   T
  9.4244589014016942  1.8146465910847802  7.6721912199907161   T   T   T
  7.8537499999999998  2.7206188060000378  0.0000000000000000   F   F   F
  7.8537500785374501  4.5343646313230481  2.5394499999999609   F   F   F
  7.8522196976430916  2.7219015547067427  5.0792504495696456   T   T   T
  7.8590664749687758  4.5383498851244486  7.6724114105467986   T   T   T
  6.2830000000000332  5.4412376119999806  0.0000000000000000   F   F   F
  6.2830000785374835  7.2549834373229904  2.5394499999999609   F   F   F
  6.2915634570007066  5.4419370497289163  5.0751623939797961   T   T   T
  6.2522417822403407  7.2449578652764126  7.6890641349232727   T   T   T
  4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
  4.7122500785374619  9.9756022433230278  2.5394499999999609   F   F   F
  4.7093679219317917  8.1608986144841840  5.0830311621932642   T   T   T
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  4.68694467565128 20  9.9556079098615680  7.6888877831110891   T   T   T
  3.1415000000000441 10.8824752239999611  0.0000000000000000   F   F   F
  3.1415000785374954 12.6962210493229701  2.5394499999999609   F   F   F
  3.1455764161219362 10.8902616980632292  5.0751755501264464   T   T   T
  3.1466405810411260 12.6999224065388177  7.6732378159824677   T   T   T
 12.5659999999999545  0.0000000000000000  0.0000000000000000   F   F   F
 12.5660000785374049  1.8137458253230103  2.5394499999999609   F   F   F
 12.5636940261702978  0.0018895240389364  5.0781301603646058   T   T   T
 12.5657046797966618  1.8088704340077308  7.6722714180439313   T   T   T
 10.9952499999998210  2.7206188060000378  0.0000000000000000   F   F   F
 10.9952500785374951  4.5343646313230481  2.5394499999999609   F   F   F
 10.9963261831749399  2.7219779665535437  5.0792367152644644   T   T   T
 10.9897621261024376  4.5384658991556250  7.6724036774651747   T   T   T
  9.4244999999999663  5.4412376119999806  0.0000000000000000   F   F   F
  9.4245000785375286  7.2549834373229904  2.5394499999999609   F   F   F
  9.4243609779489930  5.4394074046584224  5.0779469660257179   T   T   T
  9.4244468131396690  7.2556221472649769  7.6821159813256497   T   T   T
  7.8537499999999438  8.1618564180000188  0.0000000000000000   F   F   F
  7.8537500785375070  9.9756022433230278  2.5394499999999609   F   F   F
  7.8468261469019458  8.1592132497961281  5.0968865939664525   T   T   T
  7.8442131696554753  9.9716517413296604  7.6832819316892129   T   T   T
  6.2829999999999773 10.8824752239999611  0.0000000000000000   F   F   F
  6.2830000785375404 12.6962210493229701  2.5394499999999609   F   F   F
  6.2768139686551452 10.8788970728111121  5.0969032570470763   T   T   T
  6.2824334979134058 12.6978157144107335  7.6823595029297431   T   T   T
  1.5690174721272685  6.3353844418189711  9.4129882304108747   T   T   T
  0.6997444274336329  6.8365559001261111  9.8954141844034709   T   T   T
  1.5660057126563829  5.3279610047050001  9.8872830040910449   T   T   T
  2.4404578103800825  6.8319265997647998  9.8966376371787526   T   T   T
### POSCAR for TS21-22 ###
Mg  C  H
 1.0000000000000000
    15.7074999999999996    0.0000000000000000    0.0000000000000000
    -7.8537499999999998   13.6030940299999994    0.0000000000000000
     0.0000000000000000    0.0000000000000000   35.1578000000000017
 100   1   3
Selective dynamics
Cartesian
  0.0000000000000000  0.0000000000000000  0.0000000000000000   F   F   F
  0.0000000785374474  1.8137458253230103  2.5394500034680880   F   F   F
  7.8552401983071389 13.5941088661662306  5.0725797583123321   T   T   T
 -0.0031254237629410  1.7916594909423771  7.6705153769588676   T   T   T
 -1.5707500000000227  2.7206188060000391  0.0000000000000000   F   F   F
 -1.5707499214624598  4.5343646313230481  2.5394500034680880   F   F   F
 14.1470281585031810  2.7256504361196474  5.0827741188028481   T   T   T
 -1.5578696759977677  4.5355366940209345  7.6749136281609687   T   T   T
 -3.1414999999999771  5.4412376119999823  0.0000000000000000   F   F   F
 -3.1414999214624273  7.2549834373229913  2.5394500034680880   F   F   F
 12.5704322074760881  5.4440656914692154  5.0821779841854005   T   T   T
 -3.0962827922144460  7.2573260014581269  7.6921869978588351   T   T   T
 -4.7122499999999858  8.1618564180000188  0.0000000000000000   F   F   F
 -4.7122499214624201  9.9756022433230278  2.5394500034680880   F   F   F
 -4.7007663335764551  8.1529987264922266  5.0937425482034824   T   T   T
 -4.7030398717764648  9.9672296209613567  7.6783425473654017   T   T   T
 -6.2829999999999551 10.8824752239999647  0.0000000000000000   F   F   F
 -6.2829999214623866 12.6962210493229701  2.5394500034680880   F   F   F
  9.4245086420367663 10.8673680530866913  5.0816516937440932   T   T   T
 -6.2836217702323589 12.6814884475904641  7.6637761904535333   T   T   T
  3.1415000000000437  0.0000000000000000  0.0000000000000000   F   F   F
  3.1415000785374940  1.8137458253230103  2.5394500034680880   F   F   F
 -4.7140339983228134 13.5938086835710958  5.0715553179745827   T   T   T
  3.1438017210844587  1.7898117363939590  7.6700493778055083   T   T   T
  1.5707500000000210  2.7206188060000391  0.0000000000000000   F   F   F
  1.5707500785374719  4.5343646313230481  2.5394500034680880   F   F   F
  1.5708174778193382  2.6922867010958944  5.0497956644643986   T   T   T
  1.5718906771493595  4.4288037452352862  7.6077275700708915   T   T   T
  0.0000000000000560  5.4412376119999823  0.0000000000000000   F   F   F
  0.0000000785375063  7.2549834373229913  2.5394500034680880   F   F   F
  0.0118377493238833  5.4569748208978348  5.1148581738774901   T   T   T
  0.0780828717716293  7.2500790907858654  7.7704048860778512   T   T   T
 -1.5707499999999559  8.1618564180000188  0.0000000000000000   F   F   F
 -1.5707499214624905  9.9756022433230278  2.5394500034680880   F   F   F
 -1.5538173525901224  8.1644943358984516  5.0975996831062229   T   T   T
 -1.5525228644940681  9.9896438963499765  7.6538578631802316   T   T   T
 -3.1414999999999251 10.8824752239999647  0.0000000000000000   F   F   F
 -3.1414999214624828 12.6962210493229701  2.5394500034680880   F   F   F
 -3.1423103471985123 10.8783525200346887  5.0815293213760109   T   T   T
 -3.1404805260277620 12.6932762990020471  7.6706586490677955   T   T   T
  6.2829999999999666  0.0000000000000000  0.0000000000000000   F   F   F
  6.2830000785375386  1.8137458253230103  2.5394500034680880   F   F   F
  6.2768990998014136  0.0095563935445213  5.0773088357414675   T   T   T
  6.2784524177480598  1.8282048085435609  7.6762090694320113   T   T   T
  4.7122499999999539  2.7206188060000391  0.0000000000000000   F   F   F
  4.7122500785375161  4.5343646313230481  2.5394500034680880   F   F   F
  4.7008739441300387  2.7267150369381827  5.0857617195885236   T   T   T
  4.6965080307517786  4.5379688821032698  7.6799838756485146   T   T   T
  3.1414999999999877  5.4412376119999823  0.0000000000000000   F   F   F
  3.1415000785375486  7.2549834373229913  2.5394500034680880   F   F   F
  3.1295855049508163  5.4569482538166199  5.1111761851372899   T   T   T
  3.0575848574835929  7.2479341279781444  7.7584601709580818   T   T   T
  1.5707499999999666  8.1618564180000188  0.0000000000000000   F   F   F
  1.5707500785375297  9.9756022433230278  2.5394500034680880   F   F   F
  1.5699408634277612  8.1867289509553363  5.1037572715577770   T   T   T
  1.5735548440503742 10.1016981795604739  7.5628984938817103   T   T   T
 -0.0000000000000009 10.8824752239999647  0.0000000000000000   F   F   F
  0.0000000785375631 12.6962210493229701  2.5394500034680880   F   F   F
 -0.0132284102791891 10.9104143597718153  5.0450911513461012   T   T   T
 -0.0089840496625646 12.7319411791741626  7.6771709360146572   T   T   T
  9.4245000000000090  0.0000000000000000  0.0000000000000000   F   F   F
  9.4245000785374380  1.8137458253230103  2.5394500034680880   F   F   F
  9.4248651057501807  0.0000692306368305  5.0822912219392604   T   T   T
  9.4243190949570028  1.8376749428101473  7.6706025799651743   T   T   T
  7.8537499999999865  2.7206188060000391  0.0000000000000000   F   F   F
  7.8537500785374164  4.5343646313230481  2.5394500034680880   F   F   F
  7.8507357037050438  2.7269151065949546  5.0788012392439192   T   T   T
  7.8450094754685722  4.5538129979298967  7.6712915396787666   T   T   T
  6.2830000000000190  5.4412376119999823  0.0000000000000000   F   F   F
  6.2830000785374827  7.2549834373229913  2.5394500034680880   F   F   F
  6.2777441551604394  5.4440168108795888  5.0832960710790376   T   T   T
  6.2386348455508083  7.2579387604458123  7.6904141118993428   T   T   T
  4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
  4.7122500785374619  9.9756022433230278  2.5394500034680880   F   F   F
  4.6954788935787812  8.1640223255232538  5.0967274311199491   T   T   T
  4.6902626071098181  9.9848500260491360  7.6597200555017357   T   T   T
  3.1415000000000415 10.8824752239999647  0.0000000000000000   F   F   F
  3.1415000785374954 12.6962210493229701  2.5394500034680880   F   F   F
  3.1564288843007473 10.9114487416558994  5.0434984215848022   T   T   T
  3.1516335411654426 12.7326875048022199  7.6738338938453357   T   T   T
 12.5659999999999332  0.0000000000000000  0.0000000000000000   F   F   F
 12.5660000785374564  1.8137458253230103  2.5394500034680880   F   F   F
 12.5718048404777658  0.0102946265050547  5.0748948587009384   T   T   T
 12.5704164329093846  1.8274360743671123  7.6733870959546140   T   T   T
 10.9952499999997801  2.7206188060000391  0.0000000000000000   F   F   F
 10.9952500785374951  4.5343646313230481  2.5394500034680880   F   F   F
 10.9978870520412961  2.7269735033809255  5.0781684529548743   T   T   T
 11.0037165096521079  4.5536410702375365  7.6701244621555649   T   T   T
  9.4244999999999646  5.4412376119999823  0.0000000000000000   F   F   F
  9.4245000785375268  7.2549834373229913  2.5394500034680880   F   F   F
  9.4243007057961616  5.4386776877654581  5.0793888933914593   T   T   T
  9.4248089129123969  7.2605461924961885  7.6784707843565929   T   T   T
  7.8537499999999438  8.1618564180000188  0.0000000000000000   F   F   F
  7.8537500785375070  9.9756022433230278  2.5394500034680880   F   F   F
  7.8433090056625758  8.1526577593545912  5.0935520496085598   T   T   T
  7.8437360431892129  9.9667958838115851  7.6808766560672233   T   T   T
  6.2829999999999746 10.8824752239999647  0.0000000000000000   F   F   F
  6.2830000785375404 12.6962210493229701  2.5394500034680880   F   F   F
  6.2827065622707909 10.8772222181236362  5.0837581625699695   T   T   T
  6.2807460715124845 12.6926936698767605  7.6716117953693290   T   T   T
  1.5555471445093252  7.2822094959852555  9.5422699193679676   T   T   T
  0.9762950217532511  8.1389355267334622  9.9438269051660786   T   T   T
  1.1786535230754440  6.3711214431484233 10.0433020743774257   T   T   T
  2.5696952001438955  7.4392639756830876  9.9697740636973897   T   T   T
### POSCAR for INT22 ###
Mg  C  H
 1.0000000000000000
    15.7074999999999996    0.0000000000000000    0.0000000000000000
    -7.8537499999999998   13.6030940299999994    0.0000000000000000
     0.0000000000000000    0.0000000000000000   35.1578000000000017
 100   1   3
Selective dynamics
Cartesian
  0.0000000000000000  0.0000000000000000  0.0000000000000000   F   F   F
  0.0000000785374505  1.8137458253230103  2.5394499999999609   F   F   F
  0.0001951204835659  0.0027944721838173  5.0967993026697771   T   T   T
 -0.0041491054702123  1.8107094813901350  7.7152247057451095   T   T   T
 -1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
 -1.5707499214624598  4.5343646313230481  2.5394499999999609   F   F   F
 -1.5683399301812093  2.7285076621551125  5.1164846441432106   T   T   T
 -1.5561442855720968  4.5535540262502465  7.7295005239548349   T   T   T
 -3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
 -3.1414999214624264  7.2549834373229904  2.5394499999999609   F   F   F
 -3.1375468586493280  5.4464128768667752  5.1140620186191779   T   T   T
 -3.1219304578945195  7.2650212738755044  7.7292842511779662   T   T   T
 -4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
 -4.7122499214624476  9.9756022433230278  2.5394499999999609   F   F   F
 -4.7066138264731974  8.1642019716041965  5.1162738122526479   T   T   T
 -4.7212967507466628  9.9806213248348818  7.7144275139881398   T   T   T
 -6.2829999999999773 10.8824752239999611  0.0000000000000000   F   F   F
 -6.2829999214624142 12.6962210493229701  2.5394499999999609   F   F   F
 -6.2831032752662610 10.8856352923870201  5.0966631281093253   T   T   T
 -6.2833248369531525 12.7008060597366903  7.7009546680804748   T   T   T
  3.1415000000000437  0.0000000000000000  0.0000000000000000   F   F   F
  3.1415000785374940  1.8137458253230103  2.5394499999999609   F   F   F
  3.1411527096338396  0.0028235946871237  5.0968147979824945   T   T   T
  3.1450327531650286  1.8105733172992788  7.7151737682189356   T   T   T
  1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
  1.5707500785374719  4.5343646313230481  2.5394499999999609   F   F   F
  1.5706821407054781  2.7102777781162977  5.0970635780782452   T   T   T
  1.5705796700846948  4.4880820810195328  7.6677714348638881   T   T   T
  0.0000000000000551  5.4412376119999806  0.0000000000000000   F   F   F
  0.0000000785375054  7.2549834373229904  2.5394499999999609   F   F   F
  0.0053547475661602  5.4452325200575107  5.1057343697189319   T   T   T
  0.0298274154142755  7.2777332709060305  7.6799819882331706   T   T   T
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 -1.5707499214625162  9.9756022433230278  2.5394499999999609   F   F   F
 -1.5670353888844764  8.1686808489750398  5.1054955152759209   T   T   T
 -1.6162483500187239 10.0060292117355800  7.6660814240166095   T   T   T
 -3.1414999999999336 10.8824752239999611  0.0000000000000000   F   F   F
 -3.1414999214624828 12.6962210493229701  2.5394499999999609   F   F   F
 -3.1533460582461106 10.8919179774668393  5.0959734950362918   T   T   T
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  6.2829999999999773  0.0000000000000000  0.0000000000000000   F   F   F
  6.2830000785375404  1.8137458253230103  2.5394499999999609   F   F   F
 -1.5676166660799247 13.6009579173503710  5.1160608188150194   T   T   T
  6.2849146390874253  1.8191669253859621  7.7216055976090550   T   T   T
  4.7122499999999556  2.7206188060000378  0.0000000000000000   F   F   F
  4.7122500785375179  4.5343646313230481  2.5394499999999609   F   F   F
  4.7097952511915597  2.7285437975244680  5.1164920287607076   T   T   T
  4.6970577603129779  4.5535283260205546  7.7295571572429314   T   T   T
  3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
  3.1415000785375513  7.2549834373229904  2.5394499999999609   F   F   F
  3.1359907249922720  5.4451862810646325  5.1057230804767855   T   T   T
  3.1111763274104179  7.2776701094219121  7.6803395067969342   T   T   T
  1.5707499999999666  8.1618564180000188  0.0000000000000000   F   F   F
  1.5707500785375297  9.9756022433230278  2.5394499999999609   F   F   F
  1.5706728831532120  8.1639806229175562  5.0576542420744079   T   T   T
  1.5706053105040070  9.9461166465506174  7.6778380951705394   T   T   T
  0.0000000000000000 10.8824752239999611  0.0000000000000000   F   F   F
  0.0000000785375631 12.6962210493229701  2.5394499999999609   F   F   F
 -0.0020031665327949 10.8793960281485838  5.1050984899191931   T   T   T
  0.0047470385816748 12.6803440068276920  7.7283944925113524   T   T   T
  9.4245000000000214  0.0000000000000000  0.0000000000000000   F   F   F
  9.4245000785374717  1.8137458253230103  2.5394499999999609   F   F   F
  1.5704984961848618 13.6010020225858348  5.1134105291851233   T   T   T
  9.4243453192685429  1.8090244400035396  7.7123515663814244   T   T   T
  7.8537499999999998  2.7206188060000378  0.0000000000000000   F   F   F
  7.8537500785374501  4.5343646313230481  2.5394499999999609   F   F   F
  7.8559496481575817  2.7246050103537840  5.1078964377595044   T   T   T
  7.8459592820150963  4.5428501768476810  7.7128652878313284   T   T   T
  6.2830000000000332  5.4412376119999806  0.0000000000000000   F   F   F
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  6.28300000785374835  7.2549834373229904  2.5394499999999609   F   F   F
  6.2788912822926610   5.4462050847634593  5.1141052975509291   T   T   T
  6.2626751126412268   7.2649746797810213  7.7292900451826370   T   T   T
  4.7122500000000107   8.1618564180000188  0.0000000000000000   F   F   F
  4.7122500785374619   9.9756022433230278  2.5394499999999609   F   F   F
  4.7082242428417702   8.1685155962250988  5.1055121596459401   T   T   T
  4.7575049693143958 10.0060194052429932  7.6659859188901516   T   T   T
  3.1415000000000441 10.8824752239999611  0.0000000000000000   F   F   F
  3.1415000785374954 12.6962210493229701  2.5394499999999609   F   F   F
  3.1431010754500477 10.8793205480096304  5.1051811459731642   T   T   T
  3.1363739779882032 12.6803139465802879  7.7283414689930119   T   T   T
 12.5659999999999545  0.0000000000000000  0.0000000000000000   F   F   F
 12.5660000785374049  1.8137458253230103  2.5394499999999609   F   F   F
  4.7089710221697789 13.6009675226586531  5.1160822811596356   T   T   T
 12.5638501642817193  1.8190659979351871  7.7216176654769688   T   T   T
 10.9952499999998210  2.7206188060000378  0.0000000000000000   F   F   F
 10.9952500785374951  4.5343646313230481  2.5394499999999609   F   F   F
 10.9928213286947916  2.7246473428902376  5.1079747058591183   T   T   T
 11.0026869150031548  4.5429251953786540  7.7128574111364943   T   T   T
  9.4244999999999663  5.4412376119999806  0.0000000000000000   F   F   F
  9.4245000785375286  7.2549834373229904  2.5394499999999609   F   F   F
  9.4243758297708009  5.4412650623235992  5.1080728360435668   T   T   T
  9.4242218650988132  7.2567515402228144  7.7217725208403127   T   T   T
  7.8537499999999438  8.1618564180000188  0.0000000000000000   F   F   F
  7.8537500785375070  9.9756022433230278  2.5394499999999609   F   F   F
  7.8479039128831465  8.1640456136486748  5.1163380449084297   T   T   T
  7.8623338179613578  9.9805350458570317  7.7144361319132528   T   T   T
  6.2829999999999773 10.8824752239999611  0.0000000000000000   F   F   F
  6.2830000785375404 12.6962210493229701  2.5394499999999609   F   F   F
  6.2947267720309661 10.8919383920097363  5.0959753303489217   T   T   T
  6.2877137854635619 12.7079346851861850  7.7144189449648151   T   T   T
  1.5707730719415007  8.1738643964679305  9.3443690792555145   T   T   T
  1.5736142662655146  9.1780000538033022  9.8235275353231479   T   T   T
  0.6996600955093983  7.6752819801567425  9.8254619187843311   T   T   T
  2.4387908063101307  7.6701396090315059  9.8260095369237934   T   T   T
### POSCAR for INT23 ###
Mg  C  H
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    15.7074999999999996    0.0000000000000000    0.0000000000000000
    -7.8537499999999998   13.6030940299999994    0.0000000000000000
     0.0000000000000000    0.0000000000000000   35.1578000000000017
 100   2   3
Selective dynamics
Cartesian
  0.0000000000000000  0.0000000000000000  0.0000000000000000   F   F   F
  0.0000000785374505  1.8137458253230103  2.5394499999999609   F   F   F
 -0.0016085547795567  0.0032222309476318  5.0921108523888012   T   T   T
 -0.0044950782932605  1.8129815589928564  7.6925751507994685   T   T   T
 -1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
 -1.5707499214624598  4.5343646313230481  2.5394499999999609   F   F   F
 14.1332086229446432  2.7198280329904487  5.0896456676681101   T   T   T
 -1.5746350544670495  4.5352331518045910  7.6885083092024615   T   T   T
 -3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
 -3.1414999214624264  7.2549834373229904  2.5394499999999609   F   F   F
 -3.1384735423434047  5.4431906519189353  5.0927897315278585   T   T   T
 -3.1539217215081274  7.2595111845779678  7.6784304653919460   T   T   T
 -4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
 -4.7122499214624476  9.9756022433230278  2.5394499999999609   F   F   F
 10.9912333302048850  8.1640578133276200  5.0780411207566019   T   T   T
 -4.7139146053132013  9.9818089098447622  7.6698137429005691   T   T   T
 -6.2829999999999773 10.8824752239999611  0.0000000000000000   F   F   F
 -6.2829999214624142 12.6962210493229701  2.5394499999999609   F   F   F
  9.4222442232324397 10.8819875131035584  5.0785662566879504   T   T   T
 -6.2883149294181635 12.6937724525585836  7.6830803201856943   T   T   T
  3.1415000000000437  0.0000000000000000  0.0000000000000000   F   F   F
  3.1415000785374940  1.8137458253230103  2.5394499999999609   F   F   F
 -4.7142432795796392 13.5943762646362529  5.0813067471465185   T   T   T
  3.1396459793235385  1.7803021816324380  7.6409082524547260   T   T   T
  1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
  1.5707500785374719  4.5343646313230481  2.5394499999999609   F   F   F
  1.5697390493885000  2.7200809676517173  5.0913589250472606   T   T   T
  1.5518379399513891  4.5096160764576707  7.6955806238665145   T   T   T
  0.0000000000000551  5.4412376119999806  0.0000000000000000   F   F   F
  0.0000000785375054  7.2549834373229904  2.5394499999999609   F   F   F
  0.0003890978134384  5.4393934442763534  5.0916060872148412   T   T   T
 -0.0613785685734891  7.2913697825788253  7.5918133017023637   T   T   T
 -1.5707499999999670  8.1618564180000188  0.0000000000000000   F   F   F
 -1.5707499214625162  9.9756022433230278  2.5394499999999609   F   F   F
 -1.5882799490827151  8.1721906565281373  5.0673899534027607   T   T   T
 -1.5806091536890161  9.9864975144185628  7.6807086505072402   T   T   T
 -3.1414999999999336 10.8824752239999611  0.0000000000000000   F   F   F
 -3.1414999214624828 12.6962210493229701  2.5394499999999609   F   F   F
 -3.1431789689828271 10.8851395984721968  5.0803859789446060   T   T   T
 -3.1411291038749685 12.6980551912296100  7.6844895548556701   T   T   T
  6.2829999999999773  0.0000000000000000  0.0000000000000000   F   F   F
  6.2830000785375404  1.8137458253230103  2.5394499999999609   F   F   F
  6.2802633958589524  0.0052847833987175  5.0927905691793480   T   T   T
  6.2665745425921884  1.8307723919557157  7.6898200007062210   T   T   T
  4.7122499999999556  2.7206188060000378  0.0000000000000000   F   F   F
  4.7122500785375179  4.5343646313230481  2.5394499999999609   F   F   F
  4.7082754378034162  2.7180535069904646  5.0741664063312593   T   T   T
  4.6915532335260046  4.5658601050538286  7.6127282879983493   T   T   T
  3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
  3.1415000785375513  7.2549834373229904  2.5394499999999609   F   F   F
  3.1278338080483090  5.4409200123346757  5.0640976865857805   T   T   T
  3.1654388838374103  7.2357325340690499  7.7686377648670852   T   T   T
  1.5707499999999666  8.1618564180000188  0.0000000000000000   F   F   F
  1.5707500785375297  9.9756022433230278  2.5394499999999609   F   F   F
  1.5799821560245872  8.1527969460502696  5.1031647437945109   T   T   T
  1.5726193461479108  9.9599202841712202  7.6996548597867722   T   T   T
  0.0000000000000000 10.8824752239999611  0.0000000000000000   F   F   F
  0.0000000785375631 12.6962210493229701  2.5394499999999609   F   F   F
  0.0039553485481489 10.8732724224523292  5.0975692443734664   T   T   T
 -0.0025612589556703 12.6988714297105556  7.6842295993567413   T   T   T
  9.4245000000000214  0.0000000000000000  0.0000000000000000   F   F   F
  9.4245000785374717  1.8137458253230103  2.5394499999999609   F   F   F
  9.4246965562471470  0.0011967225566364  5.0861987153065105   T   T   T
  9.4119153633938897  1.8185702675666953  7.6780031605484487   T   T   T
  7.8537499999999998  2.7206188060000378  0.0000000000000000   F   F   F
  7.8537500785374501  4.5343646313230481  2.5394499999999609   F   F   F
  7.8444633619310533  2.7252510663708076  5.0927747223504500   T   T   T
  7.8347732889349722  4.5413311020128297  7.6951782038161491   T   T   T
  6.2830000000000332  5.4412376119999806  0.0000000000000000   F   F   F
  6.2830000785374835  7.2549834373229904  2.5394499999999609   F   F   F
  6.2772476539141771  5.4499349512175836  5.0825114094348711   T   T   T
  6.3343953253389209  7.2838646539369210  7.6542307865901487   T   T   T
  4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
  4.7122500785374619  9.9756022433230278  2.5394499999999609   F   F   F
  4.7061621244044973  8.1468086308051770  5.1134628914129747   T   T   T
  4.7088722132659377  9.9692293373287360  7.6963754734239984   T   T   T
  3.1415000000000441 10.8824752239999611  0.0000000000000000   F   F   F
  3.1415000785374954 12.6962210493229701  2.5394499999999609   F   F   F
  3.1398062796137607 10.8793287157892031  5.0935848386356692   T   T   T
  3.1351378854806304 12.6914299672805431  7.6782582514408313   T   T   T
 12.5659999999999545  0.0000000000000000  0.0000000000000000   F   F   F
 12.5660000785375168  1.8137458253230103  2.5394499999999609   F   F   F
 12.5599199441386027  0.0002427182447127  5.0859367404022029   T   T   T
 12.5609485969430565  1.8148934839499671  7.6810583311450236   T   T   T
 10.9952499999999329  2.7206188060000378  0.0000000000000000   F   F   F
 10.9952500785374951  4.5343646313230481  2.5394499999999609   F   F   F
 10.9919025422193073  2.7182914119892856  5.0868742681183656   T   T   T
 10.9891370740772683  4.5326605085638844  7.6869360176846202   T   T   T
  9.4244999999999663  5.4412376119999806  0.0000000000000000   F   F   F
  9.4245000785375286  7.2549834373229904  2.5394499999999609   F   F   F
  9.4164025871851180  5.4425019016133511  5.0945972507461521   T   T   T
  9.4320262160569150  7.2588111214970326  7.6810285227585098   T   T   T
  7.8537499999999438  8.1618564180000188  0.0000000000000000   F   F   F
  7.8537500785375070  9.9756022433230278  2.5394499999999609   F   F   F
  7.8606266179314410  8.1684014260854205  5.0790936671286673   T   T   T
  7.8590351293754939  9.9869547678842014  7.6786358077910375   T   T   T
  6.2829999999999773 10.8824752239999611  0.0000000000000000   F   F   F
  6.2830000785375404 12.6962210493229701  2.5394499999999609   F   F   F
  6.2761288133568369 10.8761776226204958  5.0950305511959622   T   T   T
  6.2761840764313597 12.6989455217645499  7.6843530057393865   T   T   T
  2.1342201956124955  5.5581309530914726 10.1446562412680095   T   T   T
  3.1509557697611874  5.4523854439362092  9.2373650599058177   T   T   T
  2.1539387614496426  5.0811820843088791 11.1336113510589954   T   T   T
  1.2283396421230992  6.1501525062183466  9.9364255175608438   T   T   T
  3.9770952739408627  4.8542247607790063  9.6908459181182955   T   T   T
### POSCAR for INT23-24 ###
Mg  C  H
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    15.7074999999999996    0.0000000000000000    0.0000000000000000
    -7.8537499999999998   13.6030940299999994    0.0000000000000000
     0.0000000000000000    0.0000000000000000   35.1578000000000017
 100   2   3
Selective dynamics
Cartesian
  0.0000000000000000  0.0000000000000000  0.0000000000000000   F   F   F
  0.0000000785374505  1.8137458253230103  2.5394500034680880   F   F   F
  0.0065573744369421  0.0059264627142074  5.0938943021731991   T   T   T
  0.0117696420076459  1.8159048132489679  7.6960648773085012   T   T   T
 -1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
 -1.5707499214624598  4.5343646313230481  2.5394500034680880   F   F   F
 -1.5642219003554851  2.7210463263422304  5.0925157614341945   T   T   T
 -1.5489373128972335  4.5348805870930038  7.6978542625546247   T   T   T
 -3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
 -3.1414999214624264  7.2549834373229904  2.5394500034680880   F   F   F
 -3.1277604168193385  5.4404148795051048  5.0958701605918000   T   T   T
 -3.1423378150289545  7.2543887087326802  7.6807010526850359   T   T   T
 -4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
 -4.7122499214624476  9.9756022433230278  2.5394500034680880   F   F   F
 -4.7097480072027507  8.1600341181145080  5.0809279279750372   T   T   T
 -4.7067163220201547  9.9718855808622191  7.6695770145690707   T   T   T
 -6.2829999999999773 10.8824752239999611  0.0000000000000000   F   F   F
 -6.2829999214624142 12.6962210493229701  2.5394500034680880   F   F   F
 -6.2789185665386498 10.8814047845438182  5.0794187767706571   T   T   T
 -6.2795460516306836 12.6835227386329610  7.6805222218834857   T   T   T
  3.1415000000000437  0.0000000000000000  0.0000000000000000   F   F   F
  3.1415000785374940  1.8137458253230103  2.5394500034680880   F   F   F
 -4.7091013652259290 13.5929828069300509  5.0806801909265058   T   T   T
  3.1483898441476885  1.7580684766092574  7.6526579317437715   T   T   T
  1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
  1.5707500785374719  4.5343646313230481  2.5394500034680880   F   F   F
  1.5830391201243967  2.7305606484519078  5.1093378233585076   T   T   T
  1.6046899993458483  4.5212997179645944  7.7567430184331698   T   T   T
  0.0000000000000551  5.4412376119999806  0.0000000000000000   F   F   F
  0.0000000785375054  7.2549834373229904  2.5394500034680880   F   F   F
  0.0147844200513298  5.4370991859610118  5.1011527225279432   T   T   T
 -0.0435462395203645  7.2833601514698474  7.6042636287657368   T   T   T
 -1.5707499999999670  8.1618564180000188  0.0000000000000000   F   F   F
 -1.5707499214625162  9.9756022433230278  2.5394500034680880   F   F   F
 -1.5792303882053185  8.1673307426056230  5.0722425747550792   T   T   T
 -1.5693926182920741  9.9795657596924503  7.6791656133075543   T   T   T
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 -3.1414999214624828 12.6962210493229701  2.5394500034680880   F   F   F
 -3.1388430378075771 10.8820383873463395  5.0797818011896609   T   T   T
 -3.1315979070878113 12.6868792034854909  7.6837323525665768   T   T   T
  6.2829999999999773  0.0000000000000000  0.0000000000000000   F   F   F
  6.2830000785375404  1.8137458253230103  2.5394500034680880   F   F   F
  6.2821742099295177  0.0044728143069945  5.0953441699394926   T   T   T
  6.2763172797126590  1.8254767295890941  7.6930922994212469   T   T   T
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  4.7122500785375179  4.5343646313230481  2.5394500034680880   F   F   F
  4.7068494230018114  2.7205601837718048  5.0832286843943066   T   T   T
  4.6817922996887251  4.5238626523012071  7.6198176578245178   T   T   T
  3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
  3.1415000785375513  7.2549834373229904  2.5394500034680880   F   F   F
  3.1349942814129355  5.4511372520289951  5.0623668762508194   T   T   T
  3.1659076690485808  7.2597575169353856  7.7276555654200889   T   T   T
  1.5707499999999666  8.1618564180000188  0.0000000000000000   F   F   F
  1.5707500785375297  9.9756022433230278  2.5394500034680880   F   F   F
  1.5799997573042379  8.1585198697405481  5.0956868854977797   T   T   T
  1.5815399824887457  9.9695034647549363  7.6935428424865311   T   T   T
  0.0000000000000000 10.8824752239999611  0.0000000000000000   F   F   F
  0.0000000785375631 12.6962210493229701  2.5394500034680880   F   F   F
  0.0065182684896348 10.8744767871861896  5.0937272731279499   T   T   T
  0.0071433963085585 12.6981639112002167  7.6865869014226345   T   T   T
  9.4245000000000214  0.0000000000000000  0.0000000000000000   F   F   F
  9.4245000785374717  1.8137458253230103  2.5394500034680880   F   F   F
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  9.4290080172012640  0.0011326405077878  5.0866073340900932   T   T   T
  9.4222430106600203  1.8185332349308330  7.6783887952206760   T   T   T
  7.8537499999999998  2.7206188060000378  0.0000000000000000   F   F   F
  7.8537500785374501  4.5343646313230481  2.5394500034680880   F   F   F
  7.8511507767648574  2.7227533717305397  5.0917222769562667   T   T   T
  7.8395794425126155  4.5357004975421864  7.6900790322431236   T   T   T
  6.2830000000000332  5.4412376119999806  0.0000000000000000   F   F   F
  6.2830000785374835  7.2549834373229904  2.5394500034680880   F   F   F
  6.2838276228349059  5.4447210791712930  5.0796191211145469   T   T   T
  6.3233042534657606  7.2727970653497582  7.6458659240091222   T   T   T
  4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
  4.7122500785374619  9.9756022433230278  2.5394500034680880   F   F   F
  4.7133124406656552  8.1563308832753343  5.0982497715098054   T   T   T
  4.7189806819435205  9.9728131685023040  7.6929654292282255   T   T   T
  3.1415000000000441 10.8824752239999611  0.0000000000000000   F   F   F
  3.1415000785374954 12.6962210493229701  2.5394500034680880   F   F   F
  3.1453552928427948 10.8811772546032728  5.0910515341309290   T   T   T
  3.1469926099413641 12.6956516984316199  7.6780301644099724   T   T   T
 12.5659999999999545  0.0000000000000000  0.0000000000000000   F   F   F
 12.5660000785375168  1.8137458253230103  2.5394500034680880   F   F   F
 12.5672318502802778  0.0019744964224623  5.0855779745437237   T   T   T
 12.5745256773834697  1.8167183387044021  7.6776310097442497   T   T   T
 10.9952499999999329  2.7206188060000378  0.0000000000000000   F   F   F
 10.9952500785374951  4.5343646313230481  2.5394500034680880   F   F   F
 10.9984267488681269  2.7186641364913187  5.0868200178087219   T   T   T
 10.9999837162421876  4.5311887199372940  7.6849416068726306   T   T   T
  9.4244999999999663  5.4412376119999806  0.0000000000000000   F   F   F
  9.4245000785375286  7.2549834373229904  2.5394500034680880   F   F   F
  9.4219957211127348  5.4394853419317144  5.0942951353083021   T   T   T
  9.4352509827358624  7.2506857845403641  7.6854724533776251   T   T   T
  7.8537499999999438  8.1618564180000188  0.0000000000000000   F   F   F
  7.8537500785375070  9.9756022433230278  2.5394500034680880   F   F   F
  7.8639322377728700  8.1641461994784983  5.0817231656666273   T   T   T
  7.8643465173939529  9.9788425494209232  7.6816695354721718   T   T   T
  6.2829999999999773 10.8824752239999611  0.0000000000000000   F   F   F
  6.2830000785375404 12.6962210493229701  2.5394500034680880   F   F   F
  6.2835517192698775 10.8782097565283529  5.0921627779561058   T   T   T
  6.2864439815503310 12.6968080914678065  7.6837435492492565   T   T   T
  2.4707098803881409  6.0489150359868828 10.2100499802618554   T   T   T
  3.1930600127200459  5.4008511198784674  9.2515216469711827   T   T   T
  2.7748431471587072  6.0995752904035108 11.2637951093460043   T   T   T
  1.5236568408348852  6.5624031522271586  9.9794733064636727   T   T   T
  4.0917710439018729  4.9404436344817153  9.7248626260165700   T   T   T
### POSCAR for INT24 ###
Mg  C  H
 1.0000000000000000
    15.7074999999999996    0.0000000000000000    0.0000000000000000
    -7.8537499999999998   13.6030940299999994    0.0000000000000000
     0.0000000000000000    0.0000000000000000   35.1578000000000017
 100   2   3
Selective dynamics
Cartesian
  0.0000000000000000  0.0000000000000000  0.0000000000000000   F   F   F
  0.0000000785374505  1.8137458253230103  2.5394499999999609   F   F   F
  0.0010098346894066  0.0064576212282908  5.1053607026141536   T   T   T
 -0.0023094850019350  1.8441557521068690  7.6991119159105672   T   T   T
 -1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
 -1.5707499214624598  4.5343646313230481  2.5394499999999609   F   F   F
 14.1278502958434640  2.7053447443071095  5.0712861808102634   T   T   T
 -1.6216454994654108  4.5088080482510930  7.5954858498505926   T   T   T
 -3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
 -3.1414999214624264  7.2549834373229904  2.5394499999999609   F   F   F
 12.5460055560328207  5.4450884022117148  5.0712218764132011   T   T   T
 -3.1331490263980095  7.2499754959956828  7.6929540947881261   T   T   T
 -4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
 -4.7122499214624476  9.9756022433230278  2.5394499999999609   F   F   F
 -4.7121375186261183  8.1657812489725927  5.1040759216244300   T   T   T
 -4.7144248274984184  9.9760449779495772  7.7048705264029014   T   T   T
 -6.2829999999999773 10.8824752239999611  0.0000000000000000   F   F   F
 -6.2829999214624142 12.6962210493229701  2.5394499999999609   F   F   F
  9.4204978199597154 10.8856955298641473  5.1062996431960750   T   T   T
 -6.2891974381625557 12.7087592259952871  7.7056567703586669   T   T   T
  3.1415000000000437  0.0000000000000000  0.0000000000000000   F   F   F
  3.1415000785374940  1.8137458253230103  2.5394499999999609   F   F   F
  3.1363640451105930  0.0068651756495667  5.1049258411350307   T   T   T
  3.1376777148660029  1.8372787632569956  7.7021884668130829   T   T   T
  1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
  1.5707500785374719  4.5343646313230481  2.5394499999999609   F   F   F
  1.5684724654064710  2.7262582939248037  5.1029016455903644   T   T   T
  1.5881619848106490  4.5830711319431767  7.7843365102567841   T   T   T
  0.0000000000000551  5.4412376119999806  0.0000000000000000   F   F   F
  0.0000000785375054  7.2549834373229904  2.5394499999999609   F   F   F
  0.0066417047093630  5.4464283564936240  5.1359988757438835   T   T   T
  0.0127571446562778  7.2778192907765611  7.7394898246185155   T   T   T
 -1.5707499999999670  8.1618564180000188  0.0000000000000000   F   F   F
 -1.5707499214625162  9.9756022433230278  2.5394499999999609   F   F   F
 -1.5763898275661989  8.1644200443099244  5.0935395490654427   T   T   T
 -1.5673610557052218  9.9766552829896948  7.6976966074818272   T   T   T
 -3.1414999999999336 10.8824752239999611  0.0000000000000000   F   F   F
 -3.1414999214624828 12.6962210493229701  2.5394499999999609   F   F   F
 -3.1437341348333532 10.8811916089052989  5.1034229734508845   T   T   T
 -3.1498329750437870 12.6993155721999624  7.6999943945239107   T   T   T
  6.2829999999999773  0.0000000000000000  0.0000000000000000   F   F   F
  6.2830000785375404  1.8137458253230103  2.5394499999999609   F   F   F
  6.2802293546377079  0.0005802655204497  5.0902219222156697   T   T   T
  6.2829097866913797  1.8082318018209833  7.6945830867399323   T   T   T
  4.7122499999999556  2.7206188060000378  0.0000000000000000   F   F   F
  4.7122500785375179  4.5343646313230481  2.5394499999999609   F   F   F
  4.7173722976727515  2.7111059662415453  5.0831878545781946   T   T   T
  4.7441640403154414  4.5158668994488735  7.6531891613160674   T   T   T
  3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
  3.1415000785375513  7.2549834373229904  2.5394499999999609   F   F   F
  3.1425354553397167  5.4335305043641808  5.1116154652024743   T   T   T
  3.0852515525203490  7.2234325305867708  7.6608317262815637   T   T   T
  1.5707499999999666  8.1618564180000188  0.0000000000000000   F   F   F
  1.5707500785375297  9.9756022433230278  2.5394499999999609   F   F   F
  1.5644301207202673  8.1665283087968099  5.1079441930730276   T   T   T
  1.5668697827452371 10.0198714874120327  7.6469762735189919   T   T   T
  0.0000000000000000 10.8824752239999611  0.0000000000000000   F   F   F
  0.0000000785375631 12.6962210493229701  2.5394499999999609   F   F   F
 -0.0095555632607418 10.8941817168112411  5.0823804471334428   T   T   T
 -0.0088723794608567 12.7053152789657595  7.6965162566940304   T   T   T
  9.4245000000000214  0.0000000000000000  0.0000000000000000   F   F   F
  9.4245000785374717  1.8137458253230103  2.5394499999999609   F   F   F
  1.5688006878346936 13.6028167777658684  5.0947100096419620   T   T   T
  9.4227725541421989  1.8154512741438540  7.6997246979247471   T   T   T
  7.8537499999999998  2.7206188060000378  0.0000000000000000   F   F   F
  7.8537500785374501  4.5343646313230481  2.5394499999999609   F   F   F
  7.8525006669240280  2.7213723446239215  5.0943485543203284   T   T   T
  7.8559582188891612  4.5400647731643149  7.6950829398759399   T   T   T
  6.2830000000000332  5.4412376119999806  0.0000000000000000   F   F   F
  6.2830000785374835  7.2549834373229904  2.5394499999999609   F   F   F
  6.2922553845074898  5.4414935659036674  5.0834869571222425   T   T   T
  6.2516451706541565  7.2473865901732486  7.6984963922789911   T   T   T
  4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
  4.7122500785374619  9.9756022433230278  2.5394499999999609   F   F   F
  4.7139890639037070  8.1646430966819832  5.0833563158947257   T   T   T
  4.6874000083145688  9.9586731259403898  7.6967333457389673   T   T   T
  3.1415000000000441 10.8824752239999611  0.0000000000000000   F   F   F
  3.1415000785374954 12.6962210493229701  2.5394499999999609   F   F   F
  3.1451964694778791 10.8921906098194121  5.0833129864716380   T   T   T
  3.1445798183923435 12.6998505575657923  7.6965263021747079   T   T   T
 12.5659999999999545  0.0000000000000000  0.0000000000000000   F   F   F
 12.5660000785375168  1.8137458253230103  2.5394499999999609   F   F   F
  4.7086056393958149 13.6019332946311629  5.0911122907613393   T   T   T
 12.5616968657310810  1.8058481932002173  7.6946459607972848   T   T   T
 10.9952499999999329  2.7206188060000378  0.0000000000000000   F   F   F
 10.9952500785374951  4.5343646313230481  2.5394499999999609   F   F   F
 10.9953968996824809  2.7231056077340976  5.0950373818489396   T   T   T
 10.9829983519837118  4.5403450881403327  7.6953339753358492   T   T   T
  9.4244999999999663  5.4412376119999806  0.0000000000000000   F   F   F
  9.4245000785375286  7.2549834373229904  2.5394499999999609   F   F   F
  9.4202902044867418  5.4418004620762188  5.0907907392763398   T   T   T
  9.4174642276153797  7.2601722258574606  7.7027318161681153   T   T   T
  7.8537499999999438  8.1618564180000188  0.0000000000000000   F   F   F
  7.8537500785375070  9.9756022433230278  2.5394499999999609   F   F   F
  7.8463038775142060  8.1637143201326410  5.1046451490896692   T   T   T
  7.8396212666391589  9.9736621597626129  7.7053818095778936   T   T   T
  6.2829999999999773 10.8824752239999611  0.0000000000000000   F   F   F
  6.2830000785375404 12.6962210493229701  2.5394499999999609   F   F   F
  6.2788302455062590 10.8803294498252026  5.1032268749683833   T   T   T
  6.2816367725693132 12.6967607496820794  7.7022694004178689   T   T   T
  0.6405178375702447  6.0729223638992273 10.2167227228952804   T   T   T
  1.5848526267455916  6.4028156935751177  9.2890473661294610   T   T   T
  0.7215716149095130  6.3253386815281676 11.2820833628998738   T   T   T
 -0.2764452924812844  5.5254069650340050  9.9403919258776483   T   T   T
  2.4275807882013121  6.9328003650112331  9.7918220312587838   T   T   T
### POSCAR for INT25 ###
Mg  H  C
 1.0000000000000000
    15.7074999999999996    0.0000000000000000    0.0000000000000000
    -7.8537499999999998   13.6030940299999994    0.0000000000000000
     0.0000000000000000    0.0000000000000000   35.1578000000000017
 100   5   6
Selective dynamics
Cartesian
  0.0000000000000000  0.0000000000000000  0.0000000000000000   F   F   F
  0.0000000785374505  1.8137458253230103  2.5394499999999609   F   F   F
  7.8538348256538999 13.5981432211949613  5.0922403339082400   T   T   T
  0.0005149150361876  1.8044779419916896  7.6836368201043284   T   T   T
 -1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
 -1.5707499214624598  4.5343646313230481  2.5394499999999609   F   F   F
 -1.5677871312582805  2.7182228143192018  5.0863805966290236   T   T   T
 -1.5764982323571421  4.5336402747037376  7.6706555787564064   T   T   T
 -3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
 -3.1414999214624264  7.2549834373229904  2.5394499999999609   F   F   F
 -3.1380159692235954  5.4451640902167862  5.0902255703516763   T   T   T
 -3.1442702958368027  7.2580612716812052  7.6878421083905453   T   T   T
 -4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
 -4.7122499214624476  9.9756022433230278  2.5394499999999609   F   F   F
 -4.7064498933983519  8.1669351841853093  5.0815909344541632   T   T   T
 -4.7058776319395985  9.9799917819093782  7.6837042298930998   T   T   T
 -6.2829999999999773 10.8824752239999611  0.0000000000000000   F   F   F
 -6.2829999214624142 12.6962210493229701  2.5394499999999609   F   F   F
 -6.2774789596264053 10.8857631574064726  5.0858772854968013   T   T   T
 -6.2785600609540850 12.6973130864257584  7.6945171038339790   T   T   T
  3.1415000000000437  0.0000000000000000  0.0000000000000000   F   F   F
  3.1415000785374940  1.8137458253230103  2.5394499999999609   F   F   F
 -4.7087156488394770 13.5922285269883591  5.0885842779852126   T   T   T
  3.1476232127974075  1.7804937965354177  7.6608141177724871   T   T   T
  1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
  1.5707500785374719  4.5343646313230481  2.5394499999999609   F   F   F
  1.5731361779144271  2.7013461814368096  5.0720812424659014   T   T   T
  1.5554139835012322  4.4916738206480851  7.6182246640803930   T   T   T
  0.0000000000000551  5.4412376119999806  0.0000000000000000   F   F   F
  0.0000000785375054  7.2549834373229904  2.5394499999999609   F   F   F
 -0.0024096995200575  5.4414311938756770  5.0802239366999551   T   T   T
 -0.0584002903491836  7.2911636659933219  7.5956638732291646   T   T   T
 -1.5707499999999670  8.1618564180000188  0.0000000000000000   F   F   F
 -1.5707499214625162  9.9756022433230278  2.5394499999999609   F   F   F
 -1.5833339598997798  8.1740162564613872  5.0707713005611694   T   T   T
 -1.5750236303166023  9.9853213675046160  7.6902527127558615   T   T   T
 -3.1414999999999336 10.8824752239999611  0.0000000000000000   F   F   F
 -3.1414999214624828 12.6962210493229701  2.5394499999999609   F   F   F
 -3.1376129748639698 10.8850449347057481  5.0867808916762867   T   T   T
 -3.1346105622956006 12.6966732975177248  7.6949449951288864   T   T   T
  6.2829999999999773  0.0000000000000000  0.0000000000000000   F   F   F
  6.2830000785375404  1.8137458253230103  2.5394499999999609   F   F   F
 -1.5658008597442405 13.6003553346816570  5.0932711501402546   T   T   T
  6.2936812622708542  1.8072927152473972  7.6852697972464021   T   T   T
  4.7122499999999556  2.7206188060000378  0.0000000000000000   F   F   F
  4.7122500785375179  4.5343646313230481  2.5394499999999609   F   F   F
  4.7149640726099129  2.7042651995148250  5.0754395182421694   T   T   T
  4.7400819145685826  4.4957982165444950  7.6209706365928938   T   T   T
  3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
  3.1415000785375513  7.2549834373229904  2.5394499999999609   F   F   F
  3.1447833843926847  5.4501306862893824  5.1238664386914312   T   T   T
  3.1476066065345067  7.2836075007181496  7.8938072741224854   T   T   T
  1.5707499999999666  8.1618564180000188  0.0000000000000000   F   F   F
  1.5707500785375297  9.9756022433230278  2.5394499999999609   F   F   F
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  1.58561936723081858.1564111810854989  5.1220980652459582   T   T   T
  1.57216270823302129.9765925460550466  7.7055749233564681   T   T   T
  0.000000000000000010.8824752239996611  0.0000000000000000   F   F   F
  0.000000078537563112.6962210493229701  2.5394499999999609   F   F   F
  0.008049128466597110.8748141609162179  5.1013243489589968   T   T   T
  0.006372995454148312.6966743079253312  7.6946242786500401   T   T   T
  9.4245000000000214  0.0000000000000000  0.0000000000000000   F   F   F
  9.4245000785374717  1.8137458253230103  2.5394499999999609   F   F   F
  9.4300590071099482  0.0027373324764445  5.0934650457084549   T   T   T
  9.4281744547279196  1.8159873772374111  7.6941569546084576   T   T   T
  7.8537499999999998  2.7206188060000378  0.0000000000000000   F   F   F
  7.8537500785374501  4.5343646313230481  2.5394499999999609   F   F   F
  7.8564568200442411  2.7187466120470338  5.0855752266642513   T   T   T
  7.8727791033303500  4.5370473675198131  7.6645500322845432   T   T   T
  6.2830000000000332  5.4412376119999806  0.0000000000000000   F   F   F
  6.2830000785374835  7.2549834373229904  2.5394499999999609   F   F   F
  6.2912767267704659  5.4424202696410369  5.0788385615980074   T   T   T
  6.3542542584031878  7.2977218505347237  7.5821464777703298   T   T   T
  4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
  4.7122500785374619  9.9756022433230278  2.5394499999999609   F   F   F
  4.7000753348329889  8.1580164894057017  5.1184684687517987   T   T   T
  4.7195970837080976  9.9783152488332032  7.7040025904235607   T   T   T
  3.1415000000000441 10.8824752239999611  0.0000000000000000   F   F   F
  3.1415000785374954 12.6962210493229701  2.5394499999999609   F   F   F
  3.1431535612871997 10.8874611577066265  5.0954515648565026   T   T   T
  3.1454390223951751 12.6958573310689751  7.6916035232378270   T   T   T
 12.5659999999999545  0.0000000000000000  0.0000000000000000   F   F   F
 12.5660000785375168  1.8137458253230103  2.5394499999999609   F   F   F
 12.5646698680442253  0.0020234117435075  5.0933059349225891   T   T   T
 12.5720675167026528  1.8154507114161273  7.6935244686771505   T   T   T
 10.9952499999999329  2.7206188060000378  0.0000000000000000   F   F   F
 10.9952500785374951  4.5343646313230481  2.5394499999999609   F   F   F
 10.9976047274628694  2.7206270552354219  5.0933751995175065   T   T   T
 11.0013928013982518  4.5342468155502091  7.6915456610195507   T   T   T
  9.4244999999999663  5.4412376119999806  0.0000000000000000   F   F   F
  9.4245000785375286  7.2549834373229904  2.5394499999999609   F   F   F
  9.4289450094374345  5.4466654777730552  5.0881130620988131   T   T   T
  9.4409437579067887  7.2604564257560558  7.6845002653132726   T   T   T
  7.8537499999999438  8.1618564180000188  0.0000000000000000   F   F   F
  7.8537500785375070  9.9756022433230278  2.5394499999999609   F   F   F
  7.8772074039964748  8.1765749710928457  5.0644798636850936   T   T   T
  7.8706721019666643  9.9890499673016802  7.6876406053979967   T   T   T
  6.2829999999999773 10.8824752239999611  0.0000000000000000   F   F   F
  6.2830000785375404 12.6962210493229701  2.5394499999999609   F   F   F
  6.2805172515039009 10.8734384961294239  5.1007069025738723   T   T   T
  6.2853258474885223 12.6966641726662708  7.6939919445419891   T   T   T
  5.3059869347777662  5.6001859881688096  9.7711919516092181   T   T   T
  5.2830404680034206  3.7229857652028051 11.3419205827376093   T   T   T
  3.1173597144919585  2.7424672230069977 12.1256579543751126   T   T   T
  0.9684132265173502  3.7713294090671741 11.3586698959532253   T   T   T
  0.9750746016918339  5.6487428639966337  9.7883518754388881   T   T   T
  4.3271529012738892  5.1775082074644709 10.0558287606803667   T   T   T
  4.3316055034394694  4.1218229153158594 10.9784088581108730   T   T   T
  3.1240172067808825  3.5797322487966681 11.4242782117813153   T   T   T
  1.9257834789511903  4.1489339942521415 10.9876767243310898   T   T   T
  1.9459308752661157  5.2046666673646600 10.0652121036670703   T   T   T
  3.1406930928175023  5.7366432384923076  9.5077688252178927   T   T   T
### POSCAR for INT25-26 ###
Mg  H  C
 1.0000000000000000
    15.7074999999999996    0.0000000000000000    0.0000000000000000
    -7.8537499999999998   13.6030940299999994    0.0000000000000000
     0.0000000000000000    0.0000000000000000   35.1578000000000017
 100   5   6
Selective dynamics
Cartesian
  0.0000000000000000  0.0000000000000000  0.0000000000000000   F   F   F
  0.0000000785374505  1.8137458253230103  2.5394499999999609   F   F   F
  7.8493319685109091 13.5900056789212371  5.0824907215798936   T   T   T
 -0.0214093519642047  1.7866549953437976  7.6796381144255284   T   T   T
 -1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
 -1.5707499214625715  4.5343646313230481  2.5394499999999609   F   F   F
 -1.5689744741912031  2.7206233700874978  5.0873578068829675   T   T   T
 -1.6044807389681321  4.5260882866217802  7.6796714839260947   T   T   T
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 -3.1414999214624264  7.2549834373229904  2.5394499999999609   F   F   F
 12.5530246601031479  5.4424149993571502  5.0826103706272709   T   T   T
 -3.1340728445515555  7.2566043685693806  7.6820118135017834   T   T   T
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 -4.7003953313643922  8.1695631180049073  5.0793130877140165   T   T   T
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 -6.2761496076346415 12.7000544273380935  7.6823300936346577   T   T   T
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  1.5707500785374719  4.5343646313230481  2.5394499999999609   F   F   F
  1.5545757800441167  2.6828641309683094  5.0338358669860579   T   T   T
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  4.7122500785375179  4.5343646313230481  2.5394499999999609   F   F   F
  4.7027160149249552  2.7319615475957861  5.1084334059286531   T   T   T
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  3.1324831934684667  5.4345045707130799  5.1219440588799712   T   T   T
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  1.5707500785375297  9.9756022433230278  2.5394499999999609   F   F   F
  1.5748182172292902  8.1469571390882933  5.1073367600495079   T   T   T
  1.5907859540995331  9.9437873029322361  7.6981620469372558   T   T   T
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  0.000000078537563112.6962210493229701  2.5394499999999609   F   F   F
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  9.4245000785374717  1.8137458253230103  2.5394499999999609   F   F   F
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  7.8537500785374501  4.5343646313230481  2.5394499999999609   F   F   F
  7.8532825227118135  2.7186883385877163  5.0880760915568555   T   T   T
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  6.2830000785374835  7.2549834373229904  2.5394499999999609   F   F   F
  6.2653683021006579  5.4289472543819253  5.1060162032735823   T   T   T
  6.3963405910536065  7.3142266897250758  7.5022308592626556   T   T   T
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  4.7122500785374619  9.9756022433230278  2.5394499999999609   F   F   F
  4.6943973274167501  8.1503259696689838  5.1073985192759990   T   T   T
  4.7203002766286088  9.9669626440357693  7.6728014812293059   T   T   T
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  3.1415000785374954 12.6962210493229701  2.5394499999999609   F   F   F
  3.1400184662668211 10.8817264841565748  5.0870235731808329   T   T   T
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  4.7102796230896447 13.5972331886977695  5.0872042486324993   T   T   T
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 10.9952500785374951  4.5343646313230481  2.5394499999999609   F   F   F
 10.9904274144904939  2.7201098227120832  5.0871789256985993   T   T   T
 10.9841120362387734  4.5326588887103849  7.6824081441619700   T   T   T
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  7.8537500785375070  9.9756022433230278  2.5394499999999609   F   F   F
  7.8924001398328203  8.1828579127492578  5.0309155973267892   T   T   T
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  6.2857931258218800 10.8691776149651425  5.0876173119561371   T   T   T
  6.2782615298866054 12.6846518093354614  7.6825880068606729   T   T   T
  5.7606928758782194  7.0887322799884815  9.8602962243585193   T   T   T
  5.7626226024455098  7.0740004979168623 12.2949590645359912   T   T   T
  3.9457612320054940  5.9109474060941771 13.5612919834725165   T   T   T
  2.1166568739884415  4.7579425796378461 12.3066488751895502   T   T   T
  2.0951772057822624  4.7548024640638156  9.8679864033095441   T   T   T
  4.9385355001892606  6.5566944298447272 10.3659868932988033   T   T   T
  4.9564183547591760  6.5627686258818754 11.7618674720214216   T   T   T
  3.9406261054567073  5.9133923375187978 12.4687922796127140   T   T   T
  2.9189030784364887  5.2687386545713029 11.7669163347843302   T   T   T
  2.9252504861554764  5.2794429965196379 10.3692581025724699   T   T   T
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Selective dynamics
Cartesian
  0.0000000000000000  0.0000000000000000  0.0000000000000000   F   F   F
  0.0000000785374505  1.8137458253230103  2.5394499999999609   F   F   F
  7.8502428476471513 13.5897468122470322  5.0903552480301890   T   T   T
 -0.0092302702156917  1.7832258572854494  7.6930456975914341   T   T   T
 -1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
 -1.5707499214624598  4.5343646313230481  2.5394499999999609   F   F   F
 14.1396682514531662  2.7141517578740211  5.0948081112335206   T   T   T
 -1.5804943014642563  4.5231899305625243  7.6941865283852469   T   T   T
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 -3.1414999214624264  7.2549834373229904  2.5394499999999609   F   F   F
 12.5663579465095410  5.4348255130547827  5.0889749185580662   T   T   T
 -3.1404607297473461  7.2471845919087272  7.6924790998978798   T   T   T
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 -4.7122499214624476  9.9756022433230278  2.5394499999999609   F   F   F
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 -6.2829999214624142 12.6962210493229701  2.5394499999999609   F   F   F
  9.4272627152853801 10.8761430196342470  5.0934554804083634   T   T   T
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  3.1415000785374940  1.8137458253230103  2.5394499999999609   F   F   F
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  1.5707500785374719  4.5343646313230481  2.5394499999999609   F   F   F
  1.5605094551243948  2.6898915952780627  5.0637436468585779   T   T   T
  1.5065548877566828  4.4766739028304219  7.5815014641378955   T   T   T
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  3.14756499479679390  5.42600551260067300  5.14091993743733955   T   T   T
  3.13580190938778360  7.27648191911156889  7.64403803109462210   T   T   T
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  1.57075007853757297  9.97560224333230278  2.53944999999996090   F   F   F
  1.55697905027044750  8.16156684446626100  5.07318590062994950   T   T   T
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  1.57488926436857210 13.58926662048417280  5.09038329089803020   T   T   T
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  7.86482149558866440  2.68895479693254560  5.06287252667658990   T   T   T
  7.92156585750297404  4.47465196125270200  7.57782405704672170   T   T   T
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  6.28300007853748350  7.25498343732299040  2.53944999999996090   F   F   F
  6.27858391538387380  5.42580646001008570  5.14058333722258991   T   T   T
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  4.71225000000000107  8.16185641800001880  0.00000000000000000   F   F   F
  4.71225007853746190  9.97560224333230278  2.53944999999996090   F   F   F
  4.71264742040183740  8.15868907697788610  5.10465167123001610   T   T   T
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  3.13780822980603610 10.87833145122878880  5.08876139596083550   T   T   T
  3.14047403456535170 12.67903268673521030  7.69849774824890250   T   T   T
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 12.56600007853751680  1.81374582532301030  2.53944999999996090   F   F   F
  4.71245333719311392 13.59300628127568980  5.09555716617411300   T   T   T
 12.56698770063412240  1.79761983795034450  7.69811618335322389   T   T   T
 10.99524999999999329  2.72061880600003780  0.00000000000000000   F   F   F
 10.99525007853747951  4.53436463132304810  2.53944999999996090   F   F   F
 10.99253992368846510  2.71421366637425400  5.09506464083198820   T   T   T
 11.00742948212298899  4.52311447993036440  7.69454579131962290   T   T   T
  9.42449999999999663  5.44123761199998060  0.00000000000000000   F   F   F
  9.42450007853755286  7.25498343732299040  2.53944999999996090   F   F   F
  9.44495343890933020  5.43438074872155670  5.06168555427312580   T   T   T
  9.43049690932972986  7.23571087881491250  7.65664083201267510   T   T   T
  7.85374999999999438  8.16185641800001880  0.00000000000000000   F   F   F
  7.85375007853757090  9.97560224333230278  2.53944999999996090   F   F   F
  7.86826861941389310  8.16153056310004524  5.07335629289156331   T   T   T
  7.85761099534177100  9.96285289862622920  7.68493743423394720   T   T   T
  6.28299999999999773 10.88247522399996110  0.00000000000000000   F   F   F
  6.28300007853754040 12.69622210493229701  2.53944999999996090   F   F   F
  6.28725625263763450 10.87853327691042260  5.08858849673470020   T   T   T
  6.28556470184445975 12.67945764563780390  7.69830510855904160   T   T   T
  2.55806804534434740  6.11436828975427550  9.77957442861465860   T   T   T
  2.57548144683202200  7.93475717549972440 11.41998915445032740   T   T   T
  4.73882760485323470  8.90062187344463670 12.22665547677653143   T   T   T
  6.89154679951946920  7.91629835809127340 11.41423483834356740   T   T   T
  6.88897069452344190  6.09644883571981480  9.77342613066340070   T   T   T
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  4.73427188473115290  8.08872075440913640 11.49642644927343400   T   T   T
  5.93532350793235960  7.54457171375712670 11.03506562741641520   T   T   T
  5.91643830199653740  6.52243814567306490 10.07632814976500070   T   T   T
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     0.0000000000000000    0.0000000000000000   35.1578000000000017
  90   1   3
Selective dynamics
Cartesian
  0.0000000000000000  0.0000000000000000  0.0000000000000000   F   F   F
  0.0000000785374505  1.81374582532301030  2.53945000034680880   F   F   F
  0.0096080475936894  0.02881360714493 0  5.08450316534691730   T   T   T
 -1.57075000000000219  2.72061880600003780  0.00000000000000000   F   F   F
 -1.57074992142645980  4.53436463132304810  2.53945000034680880   F   F   F
 14.14130472463536300  2.70248972556557380  5.17274915988870250   T   T   T
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 -3.14149992146242640  7.25498343732299040  2.53945000034680880   F   F   F
 12.56690771046497800  5.41327557878892750  5.18254006628060090   T   T   T
 -3.13387041756635920  7.46144932013732820  7.58850568111802967   T   T   T
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 -4.71224992142644760  9.97560224333230278  2.53945000034680880   F   F   F
 10.99039948504411510  8.15045781806445820  5.04956301471719550   T   T   T
 -4.71573212244437910 10.11001282522397560  7.70009821033348810   T   T   T
 -6.28299999999999773 10.88247522399996110  0.00000000000000000   F   F   F
 -6.28299992146242140 12.69622210493229701  2.53945000034680880   F   F   F
  9.42499932416547380 10.85471426566262030  5.08783081434350050   T   T   T
 -6.28777138317449060 12.78278826969893238  7.58783025380417000   T   T   T
  3.14150000000000437  0.00000000000000000  0.00000000000000000   F   F   F
  3.14150007853749340  1.81374582532301030  2.53945000034680880   F   F   F
  3.14616422397471050  0.01437689795832810  5.09313428223879646   T   T   T
  1.57075000000000219  2.72061880600003780  0.00000000000000000   F   F   F
  1.57075007853747190  4.53436463132304810  2.53945000034680880   F   F   F
  1.57624591669276540  2.70629546024215810  5.17544028880504210   T   T   T
  0.0000000000000551  5.4412376119999806  0.0000000000000000   F   F   F
  0.0000000785375054  7.2549834373229904  2.5394500034680880   F   F   F
  0.0032795633548761  5.4151239707506011  5.1832497295239346   T   T   T
  0.0325172506591498  7.4568936153359076  7.5908748573883082   T   T   T
 -1.5707499999999670  8.1618564180000188  0.0000000000000000   F   F   F
 -1.5707499214625162  9.9756022433230278  2.5394500034680880   F   F   F
 -1.5557801627971615  8.1487785905766010  5.0497920204535589   T   T   T
 -1.5546831232031559 10.1064243618647378  7.7031180326651256   T   T   T
 -3.14149999999999336 10.8824752239999611  0.0000000000000000   F   F   F
 -3.14149992146248280 12.6962210493229701  2.5394500034680880   F   F   F
 -3.13662669141643540 10.8561715808157544  5.0747045118987772   T   T   T
 -3.13788663705364000 12.7824476647268099  7.5822887979714331   T   T   T
  6.28299999999999773  0.0000000000000000  0.0000000000000000   F   F   F
  6.28300007853754040  1.8137458253230103  2.5394500034680880   F   F   F
  6.28314651570620430  0.0136598469715874  5.0937872960270312   T   T   T
  4.71224999999995560  2.7206188060000378  0.0000000000000000   F   F   F
  4.71225007853751790  4.5343646313230481  2.5394500034680880   F   F   F
  4.71282314560811600  2.7016031589148453  5.1823451464392880   T   T   T
  3.14149999999999886  5.4412376119999806  0.0000000000000000   F   F   F
  3.14150007853753513  7.2549834373229904  2.5394500034680880   F   F   F
  3.14511590121131455  5.4162234788990364  5.1436193404826218   T   T   T
  1.57074999999999666  8.1618564180000188  0.0000000000000000   F   F   F
  1.57075007853752297  9.9756022433230278  2.5394500034680880   F   F   F
  1.6076011366629794  8.1436144518789710  5.0802482598036756   T   T   T
  1.61767572142581170 10.1016558472957652  7.6996797310832115   T   T   T
  0.0000000000000000 10.8824752239999611  0.0000000000000000   F   F   F
  0.0000000785375631 12.6962210493229701  2.5394500034680880   F   F   F
  0.0086193023662942 10.8515263262420750  5.0885472992200773   T   T   T
  0.0116996777417615 12.7767729753047554  7.5881430541989516   T   T   T
  9.4245000000000214  0.0000000000000000  0.0000000000000000   F   F   F
  9.4245000785374717  1.8137458253230103  2.5394500034680880   F   F   F
  9.4171608184856410  0.0275829303620925  5.0846053576362458   T   T   T
  7.85374999999999998  2.7206188060000378  0.0000000000000000   F   F   F
  7.8537500785374501  4.5343646313230481  2.5394500034680880   F   F   F
  7.8494683664784404  2.7054649963264126  5.1737582459820715   T   T   T
  6.28300000000000332  5.4412376119999806  0.0000000000000000   F   F   F
  6.28300007853748350  7.2549834373229904  2.5394500034680880   F   F   F
  6.28221692205372410  5.4148835199135670  5.1414976648126967   T   T   T
  6.19040199382224897  7.4189709973541458  7.6443047881017643   T   T   T
  4.71225000000000107  8.1618564180000188  0.0000000000000000   F   F   F
  4.71225007853749619  9.9756022433230278  2.5394500034680880   F   F   F
  4.71721245453892380  8.1832022220763374  5.0537266905736242   T   T   T
  4.71943909296936523 10.2278097016769340  7.5865798584581983   T   T   T
  3.14150000000000441 10.8824752239999611  0.0000000000000000   F   F   F
  3.14150007853749540 12.6962210493229701  2.5394500034680880   F   F   F
  3.13002501560647590 10.9102161736204870  5.0431994393974922   T   T   T
  3.12701913898537320 12.8386041293702053  7.5825534070599625   T   T   T
 12.56599999999999545  0.0000000000000000  0.0000000000000000   F   F   F
 12.56600007853751680  1.8137458253230103  2.5394500034680880   F   F   F
 12.56688152353567210  0.0179795995786845  5.0899840596027879   T   T   T
 10.99524999999999329  2.7206188060000378  0.0000000000000000   F   F   F
 10.99525007853749540  4.5343646313230481  2.5394500034680880   F   F   F
 10.99159539019979293  2.7023454646172964  5.1733250530838379   T   T   T
  9.42449999999999663  5.4412376119999806  0.0000000000000000   F   F   F
  9.42450007853755286  7.2549834373229904  2.5394500034680880   F   F   F
  9.42350353043086030  5.4144343918942521  5.1848745324233052   T   T   T
  9.41133974743561413  7.4616651794175857  7.5887376326825180   T   T   T
  7.85374999999999438  8.1618564180000188  0.0000000000000000   F   F   F
  7.85375007853757090  9.9756022433230278  2.5394500034680880   F   F   F
  7.82879972804407490  8.1448943917519916  5.0768381394590225   T   T   T
  7.82135947672052894 10.1075684628278353  7.6927323364269826   T   T   T
  6.28299999999999773 10.8824752239999611  0.0000000000000000   F   F   F
  6.28300007853754040 12.6962210493229701  2.5394500034680880   F   F   F
  6.30230676610325080 10.9112282134307694  5.0414628502484591   T   T   T
  6.30358166991470710 12.8415440373748684  7.5830785699794649   T   T   T
  3.26431528014139657  7.4143748602309545  7.6510304390003130   T   T   T
  4.73662462336667470  6.4519176536786818  9.1075440478641934   T   T   T
  3.88258254129473100  5.7434415808257393  9.1718087840760241   T   T   T
  4.73320564773430790  7.0372389866693359 10.0431810493026656   T   T   T
  5.59891684192208410  5.7534127322727615  9.1750993738243007   T   T   T
### POSCAR for TS27-28 ###
Mg  C  H
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    15.7074999999999996    0.0000000000000000    0.0000000000000000
    -7.8537499999999998   13.6030940299999994    0.0000000000000000
     0.0000000000000000    0.0000000000000000   35.1578000000000017
  90   1   3
Selective dynamics
Cartesian
  0.0000000000000000  0.0000000000000000  0.0000000000000000   F   F   F
  0.0000000785374474  1.8137458253230103  2.5394499999999609   F   F   F
  0.0125170321242561  0.0353166564269899  5.0809665818521781   T   T   T
 -1.5707500000000227  2.7206188060000391  0.0000000000000000   F   F   F
 -1.5707499214624598  4.5343646313230481  2.5394499999999609   F   F   F
 14.1390065036281154  2.7082979680077637  5.1779407367036070   T   T   T
 -3.1414999999999771  5.4412376119999823  0.0000000000000000   F   F   F
 -3.1414999214624273  7.2549834373229913  2.5394499999999609   F   F   F
 12.5675304343971579  5.4273274983597659  5.1863992442924074   T   T   T
 -3.1253214979783701  7.4992450068785290  7.5734994444657344   T   T   T
 -4.7122499999999858  8.1618564180000188  0.0000000000000000   F   F   F
 -4.7122499214624201  9.9756022433230278  2.5394499999999609   F   F   F
 -4.7103183858177520  8.1707652658416681  5.0314757445236999   T   T   T
 -4.7011742347161753 10.1521496644997793  7.6834420447954273   T   T   T
 -6.2829999999999551 10.8824752239999647  0.0000000000000000   F   F   F
 -6.2829999214623866 12.6962210493229701  2.5394499999999609   F   F   F
 -6.2798201635185418 10.8738264361149959  5.0792984688361571   T   T   T
 -6.2812746118498550 12.8144992415901839  7.5771553284690176   T   T   T
  3.14150000000000437  0.0000000000000000  0.0000000000000000   F   F   F
  3.14150007853749340  1.8137458253230103  2.5394499999999609   F   F   F
  3.15049556969693819  0.0253088685598276  5.0851500003229964   T   T   T
  1.57075000000000210  2.7206188060000391  0.0000000000000000   F   F   F
  1.57075007853747190  4.5343646313230481  2.5394499999999609   F   F   F
  1.58099881769245230  2.7167341614641880  5.1772324308239108   T   T   T
  0.0000000000000560  5.4412376119999823  0.0000000000000000   F   F   F
  0.0000000785375063  7.2549834373229913  2.5394499999999609   F   F   F
  0.0067994013945909  5.4168562575985435  5.1881480084697733   T   T   T
  0.0007063000157217  7.4903623940330739  7.5514917714915715   T   T   T
 -1.5707499999999559  8.1618564180000188  0.0000000000000000   F   F   F
 -1.5707499214624905  9.9756022433230278  2.5394499999999609   F   F   F
 -1.5564783278560212  8.1688795416577396  5.0346897100155275   T   T   T
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-1.5631451309984357 10.1402757633512479  7.6762335876907573   T   T   T
-3.1414999999999251 10.8824752239999647  0.0000000000000000   F   F   F
-3.1414999214624828 12.6962210493229701  2.5394499999999609   F   F   F
-3.1344662250446089 10.8780924096109484  5.0642482794223715   T   T   T
-3.1294541527361508 12.8177171095839295  7.5736973620818038   T   T   T
 6.2829999999999666  0.0000000000000000  0.0000000000000000   F   F   F
 6.2830000785375386  1.8137458253230103  2.5394499999999609   F   F   F
 6.2926955993181837  0.0148693470971711  5.0925241507835723   T   T   T
 4.7122499999999539  2.7206188060000391  0.0000000000000000   F   F   F
 4.7122500785375161  4.5343646313230481  2.5394499999999609   F   F   F
 4.7131793889198583  2.7061937312424686  5.1875895688306430   T   T   T
 3.1414999999999877  5.4412376119999823  0.0000000000000000   F   F   F
 3.1415000785375486  7.2549834373229913  2.5394499999999609   F   F   F
 3.1472201723013526  5.4272922609391792  5.1623449022804175   T   T   T
 1.5707499999999666  8.1618564180000188  0.0000000000000000   F   F   F
 1.5707500785375297  9.9756022433230278  2.5394499999999609   F   F   F
 1.6255204694811809  8.1414627348801307  5.0789596376196338   T   T   T
 1.6398917186874424 10.0246650812063880  7.6733575130116058   T   T   T
-0.0000000000000009 10.8824752239999647  0.0000000000000000   F   F   F
 0.0000000785375631 12.6962210493229701  2.5394499999999609   F   F   F
 0.0197674061633846 10.8493608275053184  5.0896095460591884   T   T   T
 0.0334066249035523 12.7614334370249356  7.5842317132648400   T   T   T
 9.4245000000000090  0.0000000000000000  0.0000000000000000   F   F   F
 9.4245000785374380  1.8137458253230103  2.5394499999999609   F   F   F
 9.4299466164197092  0.0332718543881497  5.0882154658028362   T   T   T
 7.8537499999999865  2.7206188060000391  0.0000000000000000   F   F   F
 7.8537500785374164  4.5343646313230481  2.5394499999999609   F   F   F
 7.8583758414463603  2.7092184574908025  5.1774408931887459   T   T   T
 6.2830000000000190  5.4412376119999823  0.0000000000000000   F   F   F
 6.2830000785374827  7.2549834373229913  2.5394499999999609   F   F   F
 6.2821251082457827  5.4126007550395236  5.1396962565119715   T   T   T
 6.3859312617913462  7.3716083429582433  7.5948218668298191   T   T   T
 4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
 4.7122500785374619  9.9756022433230278  2.5394499999999609   F   F   F
 4.7082877376437757  8.1632975250411484  5.1020411886354049   T   T   T
 4.7385941364293584 10.2096790316534207  7.5478479722572525   T   T   T
 3.1415000000000415 10.8824752239999647  0.0000000000000000   F   F   F
 3.1415000785374954 12.6962210493229701  2.5394499999999609   F   F   F
 3.1362366666470214 10.9001114892626028  5.0344673957639205   T   T   T
 3.1354145443999242 12.7860188052890766  7.5888158806280881   T   T   T
12.5659999999999332  0.0000000000000000  0.0000000000000000   F   F   F
12.5660000785373605  1.8137458253230103  2.5394499999999609   F   F   F
12.5668030851296386  0.0239970857350913  5.0988330536497681   T   T   T
10.9952499999966111  2.7206188060000391  0.0000000000000000   F   F   F
10.9952500785374951  4.5343646313230481  2.5394499999999609   F   F   F
10.9962070722119023  2.7158725855711987  5.1641474459169094   T   T   T
 9.4244999999999646  5.4412376119999823  0.0000000000000000   F   F   F
 9.4245000785375268  7.2549834373229913  2.5394499999999609   F   F   F
 9.4183901612668510  5.4247270679288437  5.2007241002423932   T   T   T
 9.4765001847821182  7.4933518570853979  7.5841319530959268   T   T   T
 7.8537499999999438  8.1618564180000188  0.0000000000000000   F   F   F
 7.8537500785375070  9.9756022433230278  2.5394499999999609   F   F   F
 7.8537938612321962  8.1628000853775067  5.0457571057329371   T   T   T
 7.8478147154977878 10.1225089096365028  7.6696333619281356   T   T   T
 6.2829999999999746 10.8824752239999647  0.0000000000000000   F   F   F
 6.2830000785375404 12.6962210493229701  2.5394499999999609   F   F   F
 6.3082462389865439 10.9030944080021008  5.0329439340391886   T   T   T
 6.3095633995556515 12.8405217340305686  7.5803897772735116   T   T   T
 2.5497694536519679  7.3183034206968633  9.8846175771189397   T   T   T
 4.5613045284219300  6.9384009919547687  9.1539347573966676   T   T   T
 5.1055571795107957  6.1231575130808062  9.6588239422510274   T   T   T
 5.0386470321987185  7.9251302736817157  9.3130375165009358   T   T   T
 4.3333989039783338  6.7178740351311506  8.0934789580429136   T   T   T
### POSCAR for INT28 ###
Mg  C  H
 1.0000000000000000
    15.7074999999999996    0.0000000000000000    0.0000000000000000
    -7.8537499999999998   13.6030940299999994    0.0000000000000000
     0.0000000000000000    0.0000000000000000   35.1578000000000017
  90   1   3
Selective dynamics
Cartesian
  0.0000000000000000  0.0000000000000000  0.0000000000000000   F   F   F
  0.0000000785374505  1.8137458253230103  2.5394500034680880   F   F   F
  0.0016144262277089  0.0386537203425129  5.0823893556242270   T   T   T
 -1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
 -1.5707499214624598  4.5343646313230481  2.5394500034680880   F   F   F
 -1.5698227835626766  2.7183249382386783  5.1727725775909095   T   T   T
 -3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
 -3.1414999214624264  7.2549834373229904  2.5394500034680880   F   F   F
 -3.1384428220725216  5.4336223754608231  5.1851701062730626   T   T   T
 -3.1477048063923148  7.5066758878102418  7.5644033325775011   T   T   T
 -4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
 -4.7122499214624476  9.9756022433230278  2.5394500034680880   F   F   F
 -4.7114091577981823  8.1761106800745562  5.0155335369270340   T   T   T
 -4.7071800851043033 10.1586051292035116  7.6837762908224168   T   T   T
 -6.2829999999999773 10.8824752239999611  0.0000000000000000   F   F   F
 -6.2829999214624142 12.6962210493229701  2.5394500034680880   F   F   F
 -6.2950445098582444 10.8754296486768389  5.0836864605393428   T   T   T
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  3.1415000000000437  0.0000000000000000  0.0000000000000000   F   F   F
  3.1415000785374940  1.8137458253230103  2.5394500034680880   F   F   F
  3.1405787037303305  0.0277115959477841  5.0885749752801148   T   T   T
 1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
 1.5707500785374719  4.5343646313230481  2.5394500034680880   F   F   F
 1.5738848178243352  2.7206314145530923  5.1644686610935810   T   T   T
 0.0000000000000551  5.4412376119999806  0.0000000000000000   F   F   F
 0.0000000785375054  7.2549834373229904  2.5394500034680880   F   F   F
 0.0029342655484865  5.4256270394804282  5.1812003789218144   T   T   T
-0.0551160469555994  7.4877556768962048  7.5326117408973161   T   T   T
-1.5707499999999670  8.1618564180000188  0.0000000000000000   F   F   F
-1.5707499214625162  9.9756022433230278  2.5394500034680880   F   F   F
-1.5788035980221595  8.1796269295961181  5.0095607807507783   T   T   T
-1.5563704298058418 10.1451866936885278  7.6846672365272051   T   T   T
-3.1414999999999336 10.8824752239999611  0.0000000000000000   F   F   F
-3.1414999214624828 12.6962210493229701  2.5394500034680880   F   F   F
-3.1379347287398347 10.8843804879882473  5.0693418259611942   T   T   T
-3.1348992689087165 12.8209109130868875  7.5755717042568307   T   T   T
 6.2829999999999773  0.0000000000000000  0.0000000000000000   F   F   F
 6.2830000785375404  1.8137458253230103  2.5394500034680880   F   F   F
 6.2842410594282425  0.0283986127398373  5.0848049577745780   T   T   T
 4.7122499999999556  2.7206188060000378  0.0000000000000000   F   F   F
 4.7122500785375179  4.5343646313230481  2.5394500034680880   F   F   F
 4.7115425181816395  2.7155869137162139  5.1642638429748979   T   T   T
 3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
 3.1415000785375513  7.2549834373229904  2.5394500034680880   F   F   F
 3.1444218391966570  5.4296210303409937  5.1521276224578294   T   T   T
 1.5707499999999666  8.1618564180000188  0.0000000000000000   F   F   F
 1.5707500785375297  9.9756022433230278  2.5394500034680880   F   F   F
 1.6111983390815885  8.1540823525684871  5.1066589431682585   T   T   T
 1.5974708697457523 10.0926760280976957  7.6360776619848831   T   T   T
 0.0000000000000000 10.8824752239999611  0.0000000000000000   F   F   F
 0.0000000785375631 12.6962210493229701  2.5394500034680880   F   F   F
 0.0067224025101904 10.8792403094920935  5.0711676265033452   T   T   T
 0.0131337056787135 12.8003102080282343  7.5814458506591054   T   T   T
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 9.4245000785374717  1.8137458253230103  2.5394500034680880   F   F   F
 9.4283403854155452  0.0357076576912443  5.0915842818104320   T   T   T
 7.8537499999999998  2.7206188060000378  0.0000000000000000   F   F   F
 7.8537500785374501  4.5343646313230481  2.5394500034680880   F   F   F
 7.8548402678808040  2.7150563888736405  5.1674996885977516   T   T   T
 6.2830000000000332  5.4412376119999806  0.0000000000000000   F   F   F
 6.2830000785374835  7.2549834373229904  2.5394500034680880   F   F   F
 6.2819120778623345  5.4177292334255256  5.1203869034923279   T   T   T
 6.3362497886691962  7.4264801732425294  7.5949107852718729   T   T   T
 4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
 4.7122500785374619  9.9756022433230278  2.5394500034680880   F   F   F
 4.6928345676477221  8.1560406968015879  5.1201665214139194   T   T   T
 4.7171761959534413 10.1290576681771256  7.5909103166379435   T   T   T
 3.1415000000000441 10.8824752239999611  0.0000000000000000   F   F   F
 3.1415000785374954 12.6962210493229701  2.5394500034680880   F   F   F
 3.1419415962689641 10.9099194251519442  5.0402969473199191   T   T   T
 3.1418762425830122 12.7766277255460476  7.5888159475314687   T   T   T
12.5659999999999545  0.0000000000000000  0.0000000000000000   F   F   F
12.5660000785375168  1.8137458253230103  2.5394500034680880   F   F   F
12.5650118148586181  0.0358197101070955  5.0954467069656824   T   T   T
10.9952499999999329  2.7206188060000378  0.0000000000000000   F   F   F
10.9952500785374951  4.5343646313230481  2.5394500034680880   F   F   F
10.9953715089650927  2.7240411451282145  5.1630316674557877   T   T   T
 9.4244999999999663  5.4412376119999806  0.0000000000000000   F   F   F
 9.4245000785375286  7.2549834373229904  2.5394500034680880   F   F   F
 9.4162576885842846  5.4305520785036538  5.2022725219755639   T   T   T
 9.4737081502654394  7.5176492791948455  7.5602159359294685   T   T   T
 7.8537499999999438  8.1618564180000188  0.0000000000000000   F   F   F
 7.8537500785375070  9.9756022433230278  2.5394500034680880   F   F   F
 7.8453596148524580  8.1606252880259795  5.0462301138998527   T   T   T
 7.8329879778282088 10.1187454859207531  7.6815346986628104   T   T   T
 6.2829999999999773 10.8824752239999611  0.0000000000000000   F   F   F
 6.2830000785375404 12.6962210493229701  2.5394500034680880   F   F   F
 6.2889466562469556 10.9063565394231912  5.0479862631127199   T   T   T
 6.2871029882472342 12.8096947251483471  7.5773650823773346   T   T   T
 4.4876228741694870  4.6705419681987168 10.6744380954619640   T   T   T
 5.4289716821069636  5.9939633200548279  9.2583695962208470   T   T   T
 6.5034381336466982  5.7327398285833446  9.2098038746236046   T   T   T
 5.2659770297826407  7.0303565866194306  9.6108919961641268   T   T   T
 4.9163755529334985  5.8019708602549471  8.2947567546155003   T   T   T
### POSCAR for INT29 ###
Mg  C  H
 1.0000000000000000
    15.7074999999999996    0.0000000000000000    0.0000000000000000
    -7.8537499999999998   13.6030940299999994    0.0000000000000000
     0.0000000000000000    0.0000000000000000   35.1578000000000017
  90   2   3
Selective dynamics
Cartesian
  0.0000000000000000  0.0000000000000000  0.0000000000000000   F   F   F
  0.0000000785374505  1.8137458253230103  2.5394500034680880   F   F   F
  0.0053575095333876  0.0398363628458813  5.0803870425714655   T   T   T
 -1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
 -1.5707499214624598  4.5343646313230481  2.5394500034680880   F   F   F
 -1.5655634833333898  2.7183680819107670  5.1790539135600202   T   T   T
 -3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
 -3.1414999214624264  7.2549834373229904  2.5394500034680880   F   F   F
 12.5695162821873492  5.4322330853354348  5.1847594998836639   T   T   T
 -3.1444192960293136  7.5069827759814327  7.5835685331090890   T   T   T
 -4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
 -4.7122499214624476  9.9756022433230278  2.5394500034680880   F   F   F
 -4.7169023172061770  8.1676274728913327  5.0402229382111399   T   T   T
 -4.7156263274821377 10.1567019521318631  7.6966815074711628   T   T   T
 -6.2829999999999773 10.8824752239999611  0.0000000000000000   F   F   F
 -6.2829999214624142 12.6962210493229701  2.5394500034680880   F   F   F
  9.4167381444715303 10.8691767329723334  5.0857795441468259   T   T   T
 -6.2913611775998355 12.8180860785489301  7.5800065350039532   T   T   T
  3.1415000000000437  0.0000000000000000  0.0000000000000000   F   F   F
  3.1415000785374940  1.8137458253230103  2.5394500034680880   F   F   F
  3.1446368251193220  0.0241126870988533  5.0867721080885193   T   T   T
 1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
 1.5707500785374719  4.5343646313230481  2.5394500034680880   F   F   F
 1.5752375268909138  2.7148348612691207  5.1792764585411977   T   T   T
 0.0000000000000551  5.4412376119999806  0.0000000000000000   F   F   F
 0.0000000785375054  7.2549834373229904  2.5394500034680880   F   F   F
 0.0099947633305799  5.4270726190954832  5.1980033108126404   T   T   T
-0.0170639521816929  7.4994906286674459  7.5972159686503353   T   T   T
-1.5707499999999670  8.1618564180000188  0.0000000000000000   F   F   F
-1.5707499214625162  9.9756022433230278  2.5394500034680880   F   F   F
-1.5592152717850496  8.1662840324245582  5.0432432720541147   T   T   T
-1.5616555295602970 10.1537399964481541  7.6972833521347628   T   T   T
-3.1414999999999336 10.8824752239999611  0.0000000000000000   F   F   F
-3.1414999214624828 12.6962210493229701  2.5394500034680880   F   F   F
-3.1373715436050946 10.8718575481871902  5.0714402080483969   T   T   T
-3.1358983730974987 12.8279191410930000  7.5766022960745945   T   T   T
 6.2829999999999773  0.0000000000000000  0.0000000000000000   F   F   F
 6.2830000785375404  1.8137458253230103  2.5394500034680880   F   F   F
 6.2881473459666264  0.0232332277835403  5.0887870790329002   T   T   T
 4.7122499999999556  2.7206188060000378  0.0000000000000000   F   F   F
 4.7122500785375179  4.5343646313230481  2.5394500034680880   F   F   F
 4.7161630913152752  2.7066243512517327  5.1840267823153274   T   T   T
 3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
 3.1415000785375513  7.2549834373229904  2.5394500034680880   F   F   F
 3.1511968297104889  5.4167640308664762  5.1353401822921141   T   T   T
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  1.5707499999999666  8.1618564180000188  0.0000000000000000   F   F   F
  1.5707500785375297  9.9756022433230278  2.5394500034680880   F   F   F
  1.5992930853444136  8.1520895603009880  5.0854440198390893   T   T   T
  1.6015460342373418 10.1228620854869984  7.6847871838862956   T   T   T
  0.0000000000000000 10.8824752239999611  0.0000000000000000   F   F   F
  0.0000000785375631 12.6962210493229701  2.5394500034680880   F   F   F
  0.0112535499234010 10.8651429884141777  5.0832746402254623   T   T   T
  0.0179249159627428 12.8060651890533688  7.5792161897004213   T   T   T
  9.4245000000000214  0.0000000000000000  0.0000000000000000   F   F   F
  9.4245000785374717  1.8137458253230103  2.5394500034680880   F   F   F
  9.4266531186317977  0.0392650916467588  5.0830425258968619   T   T   T
  7.8537499999999998  2.7206188060000378  0.0000000000000000   F   F   F
  7.8537500785374501  4.5343646313230481  2.5394500034680880   F   F   F
  7.8555138369854509  2.7156773995631998  5.1786504936739322   T   T   T
  6.2830000000000332  5.4412376119999806  0.0000000000000000   F   F   F
  6.2830000785374835  7.2549834373229904  2.5394500034680880   F   F   F
  6.2835462906276858  5.4269828152747692  5.1291700029918648   T   T   T
  6.2641022357466243  7.4681601692698365  7.6200549165649525   T   T   T
  4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
  4.7122500785374619  9.9756022433230278  2.5394500034680880   F   F   F
  4.7058585582225652  8.1781643580307595  5.0774075397990170   T   T   T
  4.7160220039255023 10.1874985228342183  7.6045859970308536   T   T   T
  3.1415000000000441 10.8824752239999611  0.0000000000000000   F   F   F
  3.1415000785374954 12.6962210493229701  2.5394500034680880   F   F   F
  3.1382726470130713 10.9139578449742327  5.0476300404738392   T   T   T
  3.1422431405348181 12.8338899066837904  7.5736808399303701   T   T   T
 12.5659999999999545  0.0000000000000000  0.0000000000000000   F   F   F
 12.5660000785375168  1.8137458253230103  2.5394500034680880   F   F   F
 12.5681944954084450  0.0366266012711849  5.0803867874641737   T   T   T
 10.9952499999999329  2.7206188060000378  0.0000000000000000   F   F   F
 10.9952500785374951  4.5343646313230481  2.5394500034680880   F   F   F
 10.9957803182392695  2.7193434035939434  5.1750471121981709   T   T   T
  9.4244999999999663  5.4412376119999806  0.0000000000000000   F   F   F
  9.4245000785375286  7.2549834373229904  2.5394500034680880   F   F   F
  9.4218508601764288  5.4299966743933332  5.1974022605805850   T   T   T
  9.4308659037188782  7.5076412348189034  7.5884264862328186   T   T   T
  7.8537499999999438  8.1618564180000188  0.0000000000000000   F   F   F
  7.8537500785375070  9.9756022433230278  2.5394500034680880   F   F   F
  7.8355854434985854  8.1591537466477941  5.0678552712754898   T   T   T
  7.8299432526792581 10.1416202320590241  7.6959537535113736   T   T   T
  6.2829999999999773 10.8824752239999611  0.0000000000000000   F   F   F
  6.2830000785375404 12.6962210493229701  2.5394500034680880   F   F   F
  6.2918501025723987 10.9172080578125481  5.0479156698726877   T   T   T
  6.2919738344978544 12.8419625013211558  7.5671774029357231   T   T   T
  3.1481193625167769  7.3708133034607419  7.6761848601439864   T   T   T
  5.4912471757970893  5.5315123034282374  9.0021697158087495   T   T   T
  4.6246688373542160  6.5837686305900274  9.0817440112071370   T   T   T
  6.1508223610278776  5.2166635560306593  9.8244486416103793   T   T   T
  5.5394956064012941  4.8907402579033752  8.1033046759971317   T   T   T
  4.6702252445378098  7.1129553842082336 10.0536596457564897   T   T   T
### POSCAR for TS29-30 ###
Mg  C  H
 1.0000000000000000
    15.7074999999999996    0.0000000000000000    0.0000000000000000
    -7.8537499999999998   13.6030940299999994    0.0000000000000000
     0.0000000000000000    0.0000000000000000   35.1578000000000017
  90   2   3
Selective dynamics
Cartesian
  0.0000000000000000  0.0000000000000000  0.0000000000000000   F   F   F
  0.0000000785374474  1.8137458253230103  2.5394499999999609   F   F   F
 -0.0058709643819294  0.0374754211040408  5.0850122153187822   T   T   T
 -1.5707500000000227  2.7206188060000391  0.0000000000000000   F   F   F
 -1.5707499214624598  4.5343646313230481  2.5394499999999609   F   F   F
 14.1348621885773813  2.7198360441877507  5.1723183067195402   T   T   T
 -3.1414999999999771  5.4412376119999823  0.0000000000000000   F   F   F
 -3.1414999214624273  7.2549834373229913  2.5394499999999609   F   F   F
 12.5668802697922857  5.4364258808231316  5.1868515656478831   T   T   T
 -3.1627977283852866  7.5174025203326735  7.5673913310329359   T   T   T
 -4.7122499999999858  8.1618564180000188  0.0000000000000000   F   F   F
 -4.7122499214624201  9.9756022433230278  2.5394499999999609   F   F   F
 -4.7147489889925858  8.1810093832452733  5.0160341750872668   T   T   T
 -4.7168854292620237 10.1748114776877134  7.6882689139614362   T   T   T
 -6.2829999999999551 10.8824752239999647  0.0000000000000000   F   F   F
 -6.2829999214623866 12.6962210493229701  2.5394499999999609   F   F   F
  9.4100282431887265 10.8825633319169697  5.0835494730078450   T   T   T
 -6.3040857310965857 12.8259812845620509  7.5842111877347582   T   T   T
  3.1415000000000437  0.0000000000000000  0.0000000000000000   F   F   F
  3.1415000785374940  1.8137458253230103  2.5394499999999609   F   F   F
  3.1387360522395267  0.0234159156690524  5.0893713788335795   T   T   T
  1.5707500000000210  2.7206188060000391  0.0000000000000000   F   F   F
  1.5707500785374719  4.5343646313230481  2.5394499999999609   F   F   F
  1.5737586489108051  2.7151671494334870  5.1699378584732134   T   T   T
  0.0000000000000560  5.4412376119999823  0.0000000000000000   F   F   F
  0.0000000785375063  7.2549834373229913  2.5394499999999609   F   F   F
  0.0025093522127144  5.4223247788780764  5.1739622626390229   T   T   T
 -0.0781303014481258  7.5060915236685641  7.5018902762692896   T   T   T
 -1.5707499999999559  8.1618564180000188  0.0000000000000000   F   F   F
 -1.5707499214624905  9.9756022433230278  2.5394499999999609   F   F   F
 -1.5860651264339558  8.1810630148498316  5.0063703597981357   T   T   T
 -1.5714930326007162 10.1533369817834203  7.6889916996294749   T   T   T
 -3.1414999999999251 10.8824752239999647  0.0000000000000000   F   F   F
 -3.1414999214624828 12.6962210493229701  2.5394499999999609   F   F   F
 -3.1398485999924413 10.8851460672934763  5.0697154221742551   T   T   T
 -3.1344150827226329 12.8336400521433038  7.5815200205290489   T   T   T
  6.2829999999999666  0.0000000000000000  0.0000000000000000   F   F   F
  6.2830000785375386  1.8137458253230103  2.5394499999999609   F   F   F
  6.2921299628352738  0.0185244607124574  5.0924457537117176   T   T   T
  4.7122499999999539  2.7206188060000391  0.0000000000000000   F   F   F
  4.7122500785375161  4.5343646313230481  2.5394499999999609   F   F   F
  4.7119634370198584  2.7051011722560001  5.1845596112987664   T   T   T
  3.1414999999999877  5.4412376119999823  0.0000000000000000   F   F   F
  3.1415000785375486  7.2549834373229913  2.5394499999999609   F   F   F
  3.1491001119989050  5.4241395916761324  5.1570268616390349   T   T   T
  1.5707499999999666  8.1618564180000188  0.0000000000000000   F   F   F
  1.5707500785375297  9.9756022433230278  2.5394499999999609   F   F   F
  1.6100705480939999  8.1380164287718664  5.0915541233797406   T   T   T
  1.6268928746559936 10.0208492661314086  7.6593131464188051   T   T   T
 -0.0000000000000009 10.8824752239999647  0.0000000000000000   F   F   F
  0.0000000785375631 12.6962210493229701  2.5394499999999609   F   F   F
  0.0145886595408768 10.8568934471052643  5.0851996643339232   T   T   T
  0.0322059808514110 12.7679337405738043  7.5864995849836641   T   T   T
  9.4245000000000090  0.0000000000000000  0.0000000000000000   F   F   F
  9.4245000785374380  1.8137458253230103  2.5394499999999609   F   F   F
  9.4315893703963933  0.0389541047770103  5.0938072445370892   T   T   T
  7.8537499999999865  2.7206188060000391  0.0000000000000000   F   F   F
  7.8537500785374164  4.5343646313230481  2.5394499999999609   F   F   F
  7.8567384553425335  2.7144323610935324  5.1735632801093736   T   T   T
  6.2830000000000190  5.4412376119999823  0.0000000000000000   F   F   F
  6.2830000785374827  7.2549834373229913  2.5394499999999609   F   F   F
  6.2812558775238978  5.4162091755271318  5.1546539147867492   T   T   T
  6.2977394997033116  7.4794878652048968  7.5474554509656642   T   T   T
  4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
  4.7122500785374619  9.9756022433230278  2.5394499999999609   F   F   F
  4.6767944737227998  8.1545975445837140  5.1041974299292470   T   T   T
  4.6968872019427135 10.1027166078294250  7.6084092682061453   T   T   T
  3.1415000000000415 10.8824752239999647  0.0000000000000000   F   F   F
  3.1415000785374954 12.6962210493229701  2.5394499999999609   F   F   F
  3.1403551546277066 10.9079607616011458  5.0460707178081927   T   T   T
  3.1409053376582863 12.7554685262855436  7.5785737526199215   T   T   T
 12.5659999999999332  0.0000000000000000  0.0000000000000000   F   F   F
 12.5660000785373605  1.8137458253230103  2.5394499999999609   F   F   F
 12.5597454450407664  0.0428676763887050  5.0928990117592408   T   T   T
 10.9952499999959254  2.7206188060000391  0.0000000000000000   F   F   F
 10.9952500785374951  4.5343646313230481  2.5394499999999609   F   F   F
 10.9936104953049405  2.7280906112233003  5.1627630524054187   T   T   T
  9.4244999999999646  5.4412376119999823  0.0000000000000000   F   F   F
  9.4245000785375268  7.2549834373229913  2.5394499999999609   F   F   F
  9.4215692449739663  5.4325879281122740  5.1905665182192600   T   T   T
  9.4540773341981037  7.5334754928059162  7.5538960461180338   T   T   T
  7.8537499999999438  8.1618564180000188  0.0000000000000000   F   F   F
  7.8537500785375070  9.9756022433230278  2.5394499999999609   F   F   F
  7.8427234373902470  8.1691702248227394  5.0444958996378331   T   T   T
  7.8361006951860883 10.1388077209287886  7.6785663300280307   T   T   T
  6.2829999999999746 10.8824752239999647  0.0000000000000000   F   F   F
  6.2830000785375404 12.6962210493229701  2.5394499999999609   F   F   F
  6.2783221581003001 10.9049701238294059  5.0552481626487049   T   T   T
  6.2728000731414459 12.8055376556757885  7.5788776197529533   T   T   T
  3.2622471759725586  7.2231446053581783  9.6515677113545770   T   T   T
  6.1625929581298085  5.8087085297669541  9.3093109853947880   T   T   T
  5.3787251325144183  6.8681823273690252  9.6918317425827603   T   T   T
  7.2319431344391223  5.7210732009345131  9.5629629926254438   T   T   T
  5.7596114334462394  4.9476510804149934  8.7561723337024784   T   T   T
  5.9603083763359006  7.6383651402141366 10.2427411234666224   T   T   T
### POSCAR for INT30 ###
Mg  C  H
 1.0000000000000000
    15.7074999999999996    0.0000000000000000    0.0000000000000000
    -7.8537499999999998   13.6030940000000005    0.0000000000000000
     0.0000000000000000    0.0000000000000000   35.1578000000000017
  90   2   3
Selective dynamics
Cartesian
  0.0000000000000000  0.0000000000000000  0.0000000000000000   F   F   F
  0.0000000785374505  1.8137458213230107  2.5394500034680880   F   F   F
 -0.0048618816846212  0.0414198470340396  5.0833218368460482   T   T   T
 -1.5707500000000219  2.7206188000000382  0.0000000000000000   F   F   F
 -1.5707499214625715  4.5343646213230482  2.5394500034680880   F   F   F
 -1.5757405569535838  2.7229892807107419  5.1717243063961895   T   T   T
 -3.1414999999999886  5.4412375999999805  0.0000000000000000   F   F   F
 -3.1414999214624264  7.2549834213229909  2.5394500034680880   F   F   F
 -3.1421571777346196  5.4392866354184495  5.1891662603721525   T   T   T
 -3.1616876416551527  7.5233311189938421  7.5580717697010069   T   T   T
 -4.7122500000000107  8.1618564000000191  0.0000000000000000   F   F   F
 -4.7122499214624476  9.9756022213230295  2.5394500034680880   F   F   F
 -4.7068281172849709  8.1839390967073058  4.9957777363253939   T   T   T
 -4.7202373419835748 10.1719808101441558  7.6896157907919358   T   T   T
 -6.2829999999999773 10.8824751999999609  0.0000000000000000   F   F   F
 -6.2829999214624710 12.6962210213230691  2.5394500034680880   F   F   F
  9.4115099124421420 10.8877467104148096  5.0766396317331282   T   T   T
 -6.3011853637745583 12.8177412614511930  7.5777577896177641   T   T   T
  3.1415000000000437  0.0000000000000000  0.0000000000000000   F   F   F
  3.1415000785374940  1.8137458213230107  2.5394500034680880   F   F   F
  3.1340835362877852  0.0312449571777225  5.0869273359480092   T   T   T
  1.5707500000000219  2.7206188000000382  0.0000000000000000   F   F   F
  1.5707500785374719  4.5343646213230482  2.5394500034680880   F   F   F
  1.5692364826593324  2.7189723476989545  5.1603251857645258   T   T   T
  0.0000000000000551  5.4412375999999805  0.0000000000000000   F   F   F
  0.0000000785375054  7.2549834213229909  2.5394500034680880   F   F   F
 -0.0001238833096484  5.4272400989988236  5.1803935228972788   T   T   T
 -0.0872360600433719  7.5025952070031483  7.5211672511623968   T   T   T
 -1.5707499999999670  8.1618564000000191  0.0000000000000000   F   F   F
 -1.5707499214625162  9.9756022213230295  2.5394500034680880   F   F   F
 -1.5864847811982092  8.1834252566855259  5.0029748321410761   T   T   T
 -1.5680206745798797 10.1569812891122950  7.6851733723659610   T   T   T
 -3.1414999999999336 10.8824751999999609  0.0000000000000000   F   F   F
 -3.1414999214625388 12.6962210213230691  2.5394500034680880   F   F   F
 -3.1428198675740737 10.8880339067804197  5.0712888100552851   T   T   T
 -3.1443744630428521 12.8301353762893626  7.5779174843804622   T   T   T
  6.2829999999999773  0.0000000000000000  0.0000000000000000   F   F   F
  6.2830000785375404  1.8137458213230107  2.5394500034680880   F   F   F
  6.2858619024005451  0.0264479510680984  5.0861190074785050   T   T   T
  4.7122499999999556  2.7206188000000382  0.0000000000000000   F   F   F
  4.7122500785375179  4.5343646213230482  2.5394500034680880   F   F   F
  4.7099375038894493  2.7092634600894825  5.1566119408179993   T   T   T
  3.1414999999999886  5.4412375999999805  0.0000000000000000   F   F   F
  3.1415000785375513  7.2549834213229909  2.5394500034680880   F   F   F
  3.1433286200448736  5.4217420388173609  5.1270431578098341   T   T   T
  1.5707499999999666  8.1618564000000191  0.0000000000000000   F   F   F
  1.5707500785375297  9.9756022213230295  2.5394500034680880   F   F   F
  1.6090342976447873  8.1474119852702263  5.1086424458294939   T   T   T
  1.5890556884957174 10.0852672425395440  7.6353878968875852   T   T   T
  0.0000000000000000 10.8824751999999609  0.0000000000000000   F   F   F
  0.0000000785375072 12.6962210213230691  2.5394500034680880   F   F   F
  0.0068764382867794 10.8748590305724484  5.0686883826187250   T   T   T
  0.0122906733910968 12.7976589076969205  7.5807123309364055   T   T   T
  9.4245000000000214  0.0000000000000000  0.0000000000000000   F   F   F
  9.4245000785374717  1.8137458213230107  2.5394500034680880   F   F   F
  9.4323526159073143  0.0303125677957576  5.0992145752441038   T   T   T
  7.8537499999999998  2.7206188000000382  0.0000000000000000   F   F   F
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  7.8537500785374501  4.5343646213230482  2.5394500034680880   F   F   F
  7.8551149003748266  2.7138801807183728  5.1714409033015807   T   T   T
  6.2830000000000332  5.4412375999999805  0.0000000000000000   F   F   F
  6.2830000785374835  7.2549834213229909  2.5394500034680880   F   F   F
  6.2780907972108775  5.4111163686797443  5.1431359523711331   T   T   T
  6.3163697217217276  7.4199715552196333  7.6285434938774719   T   T   T
  4.7122500000000107  8.1618564000000191  0.0000000000000000   F   F   F
  4.7122500785374619  9.9756022213230295  2.5394500034680880   F   F   F
  4.6900338791079985  8.1363043419629761  5.1380783097657954   T   T   T
  4.7233724953322316 10.0830551474042274  7.6224930153552357   T   T   T
  3.1415000000000441 10.8824751999999609  0.0000000000000000   F   F   F
  3.1415000785374394 12.6962210213230691  2.5394500034680880   F   F   F
  3.1501507484761051 10.8979771074751675  5.0508417340895315   T   T   T
  3.1513915263610137 12.7523155157743879  7.5930924731042300   T   T   T
 12.5659999999999545  0.0000000000000000  0.0000000000000000   F   F   F
 12.5660000785375168  1.8137458213230107  2.5394500034680880   F   F   F
 12.5632966656732101  0.0421280295418355  5.0954530466421026   T   T   T
 10.9952499999999329  2.7206188000000382  0.0000000000000000   F   F   F
 10.9952500785374951  4.5343646213230482  2.5394500034680880   F   F   F
 10.9939888272174837  2.7269066010951795  5.1623083640966438   T   T   T
  9.4244999999999663  5.4412375999999805  0.0000000000000000   F   F   F
  9.4245000785375286  7.2549834213229909  2.5394500034680880   F   F   F
  9.4158301258962211  5.4330091566328012  5.1835951378421852   T   T   T
  9.4760634184766310  7.5417534412498908  7.5158822253814392   T   T   T
  7.8537499999999438  8.1618564000000191  0.0000000000000000   F   F   F
  7.8537500785375070  9.9756022213230295  2.5394500034680880   F   F   F
  7.8336202359788540  8.1644283314862101  5.0624530168509319   T   T   T
  7.8327436984209173 10.1214587625122974  7.6604569998120224   T   T   T
  6.2829999999999773 10.8824751999999609  0.0000000000000000   F   F   F
  6.2830000785374844 12.6962210213230691  2.5394500034680880   F   F   F
  6.2821124306173122 10.9107902204121530  5.0544801415085585   T   T   T
  6.2778299667727833 12.7894737213124632  7.5720996637529776   T   T   T
  4.4416963301021166  5.4078556258883959 10.1621164107410245   T   T   T
  7.4698597535109013  5.6848946956743456  9.2088210676434432   T   T   T
  6.3416057729111639  6.3002774470141807  9.6918487744213238   T   T   T
  8.4980131445536404  5.9887825536373773  9.4801165243665118   T   T   T
  7.4344127449222466  4.7988890315808206  8.5582117325464928   T   T   T
  6.6083131949350529  7.1794815037160351 10.3162778441277911   T   T   T
### POSCAR for INT31 ###
Mg  H  C
 1.0000000000000000
   15.7075000000000014    0.0000000000000000    0.0000000000000000
   -7.8537499999999998   13.6030940299440690    0.0000000000000000
    0.0000000000000000    0.0000000000000000   35.1578000000000017
  90   5   6
Selective dynamics
Cartesian
  0.0000000000000000  0.0000000000000000  0.0000000000000000   F   F   F
  0.0000000000000560  1.8137458706592031  2.5394499999999609   F   F   F
  0.0088689336243073  0.0361050384144322  5.0766291169466884   T   T   T
 -1.5707500000000219  2.7206188059888516  0.0000000000000000   F   F   F
 -1.5707499999999661  4.5343646766480550  2.5394499999999609   F   F   F
 -1.5661070360896638  2.7129472916709338  5.1821685536344937   T   T   T
 -3.1414999999999886  5.4412376119776082  0.0000000000000000   F   F   F
 -3.1414999999999331  7.2549834826368107  2.5394499999999609   F   F   F
 12.5669597121505969  5.4276282694034981  5.1889178640278129   T   T   T
 -3.1441566216872419  7.5153464163074473  7.5832844627674776   T   T   T
 -4.7122500000000107  8.1618564179664599  0.0000000000000000   F   F   F
 -4.7122499999999548  9.9756022886256641  2.5394499999999609   F   F   F
 10.9911512399225391  8.1651565985781858  5.0405330415328695   T   T   T
 -4.7137743972292423 10.1671413706748215  7.6973294842372351   T   T   T
 -6.2829999999999773 10.8824752239552165  0.0000000000000000   F   F   F
 -6.2829999999999213 12.6962210946144189  2.5394499999999609   F   F   F
  9.4253819770552081 10.8718309925111125  5.0793325577619362   T   T   T
 -6.2852052985605411 12.8325607639999255  7.5758751215399007   T   T   T
  3.1415000000000441  0.0000000000000000  0.0000000000000000   F   F   F
  3.1414999999999891  1.8137458706592031  2.5394499999999609   F   F   F
  3.1448805034399570  0.0265405208467485  5.0833257766858573   T   T   T
  1.5707500000000223  2.7206188059888516  0.0000000000000000   F   F   F
  1.5707499999999670  4.5343646766480550  2.5394499999999609   F   F   F
  1.5743311461944567  2.7157642176164027  5.1784441982910749   T   T   T
  0.0000000000000555  5.4412376119776082  0.0000000000000000   F   F   F
  0.0000000000000000  7.2549834826368107  2.5394499999999609   F   F   F
  0.0074667998151687  5.4298637860952610  5.2047441119715296   T   T   T
 -0.0169845611721415  7.5253443171157128  7.5925711436481649   T   T   T
 -1.5707499999999666  8.1618564179664599  0.0000000000000000   F   F   F
 -1.5707500000000216  9.9756022886256641  2.5394499999999609   F   F   F
 -1.5636104482910680  8.1663984672678662  5.0407326470837441   T   T   T
 -1.5657956697801723 10.1691529807475050  7.6980720102318108   T   T   T
 -3.1414999999999331 10.8824752239552165  0.0000000000000000   F   F   F
 -3.1414999999999882 12.6962210946144189  2.5394499999999609   F   F   F
 -3.1394243576450735 10.8714037638018866  5.0684696605046771   T   T   T
 -3.1391494015249357 12.8338863779387857  7.5697049281763338   T   T   T
  6.2829999999999782  0.0000000000000000  0.0000000000000000   F   F   F
  6.2830000000000350  1.8137458706592031  2.5394499999999609   F   F   F
  6.2831725024739828  0.0258346381736795  5.0836199828628086   T   T   T
  4.7122499999999565  2.7206188059888516  0.0000000000000000   F   F   F
  4.7122500000000134  4.5343646766480550  2.5394499999999609   F   F   F
  4.7144040250373314  2.7088487532523091  5.1853017848887859   T   T   T
  3.1414999999999895  5.4412376119776082  0.0000000000000000   F   F   F
  3.1415000000000459  7.2549834826368107  2.5394499999999609   F   F   F
  3.1476501975384821  5.4252594207821527  5.1447899999782960   T   T   T
  1.5707499999999675  8.1618564179664599  0.0000000000000000   F   F   F
  1.5707500000000243  9.9756022886256641  2.5394499999999609   F   F   F
  1.5937767631123592  8.1585256141996307  5.0783634935365631   T   T   T
  1.5953975478592062 10.1559284848924225  7.6754641466833959   T   T   T
  0.0000000000000009 10.8824752239552165  0.0000000000000000   F   F   F
  0.0000000000000577 12.6962210946144189  2.5394499999999609   F   F   F
  0.0027987782215497 10.8710743972360131  5.0793021228155126   T   T   T
  0.0098409714812675 12.8282302836395505  7.5748805471677194   T   T   T
  9.4245000000000232  0.0000000000000000  0.0000000000000000   F   F   F
  9.4244999999999663  1.8137458706592031  2.5394499999999609   F   F   F
  9.4176506981667956  0.0370993025601970  5.0751243959625061   T   T   T
  7.8537500000000016  2.7206188059888516  0.0000000000000000   F   F   F
  7.8537499999999447  4.5343646766480550  2.5394499999999609   F   F   F
  7.8500214121626861  2.7178958660418591  5.1807435523792940   T   T   T
  6.2830000000000350  5.4412376119776082  0.0000000000000000   F   F   F
  6.2829999999999782  7.2549834826368107  2.5394499999999609   F   F   F
  6.2771049881467045  5.4321890896234244  5.1595580338981089   T   T   T
  6.2817393788950397  7.5080874306621848  7.5980447709306276   T   T   T
  4.7122500000000125  8.1618564179664599  0.0000000000000000   F   F   F
  4.7122499999999565  9.9756022886256641  2.5394499999999609   F   F   F
  4.7032696713373445  8.1823350844474412  5.0723552474348228   T   T   T
  4.7135870329539014 10.2714951921150668  7.5604016754483148   T   T   T
  3.1415000000000459 10.8824752239552165  0.0000000000000000   F   F   F
  3.1414999999999900 12.6962210946144189  2.5394499999999609   F   F   F
  3.1240292008312727 10.9169229176570770  5.0307720472746036   T   T   T
  3.1274399409536500 12.8800209024153407  7.5774709438536521   T   T   T
 12.5659999999999563  0.0000000000000000  0.0000000000000000   F   F   F
 12.5660000000000132  1.8137458706592031  2.5394499999999609   F   F   F
 12.5675525138323536  0.0241719864610322  5.0830717341152081   T   T   T
 10.9952499999999347  2.7206188059888516  0.0000000000000000   F   F   F
 10.9952499999999898  4.5343646766480550  2.5394499999999609   F   F   F
 10.9932537454493584  2.7111954001764884  5.1810954341350772   T   T   T
  9.4244999999999681  5.4412376119776082  0.0000000000000000   F   F   F
  9.4245000000000232  7.2549834826368107  2.5394499999999609   F   F   F
  9.4198633471364541  5.4291255853960969  5.2013841289990506   T   T   T
  9.4283061559906969  7.5249588530102027  7.5896873992089908   T   T   T
  7.8537499999999456  8.1618564179664599  0.0000000000000000   F   F   F
  7.8537500000000016  9.9756022886256641  2.5394499999999609   F   F   F
  7.8433589964314629  8.1614769660373589  5.0547516489647162   T   T   T
  7.8386225765330044 10.1730294090422362  7.6877431714613307   T   T   T
  6.2829999999999790 10.8824752239552165  0.0000000000000000   F   F   F
  6.2830000000000350 12.6962210946144189  2.5394499999999609   F   F   F
  6.3024482254224834 10.9131181877982204  5.0348041579913065   T   T   T
  6.3012183686332692 12.8792743526863891  7.5758964192182212   T   T   T
  3.1350728126357090  7.4047972479498263  7.6644676365148552   T   T   T
  4.3646452399292270  8.8484294182346073 10.1946354281840481   T   T   T
  5.9471326331079366  8.4210056695555533 12.0322596052749766   T   T   T
  7.2270665575076158  6.2803781337462876 12.1246051167260251   T   T   T
  6.8631017701835386  4.5454297388200775 10.3689807492724153   T   T   T
  5.2483914224253017  4.9396459023849939  8.5386914218119365   T   T   T
  4.8961662713088074  7.8857632383081233 10.2183730283846685   T   T   T
  5.7923461949287658  7.6563174209346174 11.2661429041281309   T   T   T
  6.5097748265890090  6.4559660396713454 11.3191533239078463   T   T   T
  6.3077772185176659  5.4868585814114477 10.3348233320144907   T   T   T
  5.3930981600374581  5.7243223027838885  9.2950101059131534   T   T   T
  4.6520742816954490  6.9328184038686187  9.1937517768139614   T   T   T
### POSCAR for TS31-32 ###
Mg  H  C
 1.0000000000000000
   15.7074999999999996    0.0000000000000000    0.0000000000000000
   -7.8537499999999998   13.6030940299999994    0.0000000000000000
    0.0000000000000000    0.0000000000000000   35.1578000000000017
  90   5   6
Selective dynamics
Cartesian
  0.0000000000000000  0.0000000000000000  0.0000000000000000   F   F   F
  0.0000000785374474  1.8137458253230103  2.5394499999999609   F   F   F
 -0.0100821119910364  0.0347936509756152  5.0882928859557452   T   T   T
 -1.5707500000000227  2.7206188060000391  0.0000000000000000   F   F   F
 -1.5707499214624598  4.5343646313230481  2.5394499999999609   F   F   F
 14.1290882114505649  2.7169938872245458  5.1733213533630451   T   T   T
 -3.1414999999999771  5.4412376119999823  0.0000000000000000   F   F   F
 -3.1414999214624273  7.2549834373229913  2.5394499999999609   F   F   F
 12.5603925950423747  5.4345806270185468  5.1877707552717576   T   T   T
 -3.1830427485054296  7.5154001824015140  7.5700952032841977   T   T   T
 -4.7122499999999858  8.1618564180000188  0.0000000000000000   F   F   F
 -4.7122499214624201  9.9756022433230278  2.5394499999999609   F   F   F
 10.9812333425027475  8.1786500301553513  5.0168236403974040   T   T   T
 -4.7364613360244370 10.1710813369495519  7.6925005288685933   T   T   T
 -6.2829999999999551 10.8824752239999647  0.0000000000000000   F   F   F
 -6.2829999214623866 12.6962210493229701  2.5394499999999609   F   F   F
  9.4059331893949256 10.8863924573516044  5.0757203860635354   T   T   T
 -6.3127755529323304 12.8249799888300942  7.5879984524204209   T   T   T
  3.1415000000000437  0.0000000000000000  0.0000000000000000   F   F   F
  3.1415000785374940  1.8137458253230103  2.5394499999999609   F   F   F
  3.1322530597441820  0.0268814772958616  5.0899320863691564   T   T   T
  1.5707500000000210  2.7206188060000391  0.0000000000000000   F   F   F
  1.5707500785374719  4.5343646313230481  2.5394499999999609   F   F   F
  1.5680190584408586  2.7174169135776149  5.1646331809683064   T   T   T
  0.0000000000000560  5.4412376119999823  0.0000000000000000   F   F   F
  0.0000000785375063  7.2549834373229913  2.5394499999999609   F   F   F
 -0.0044102958093055  5.4219506536883877  5.1772276526804610   T   T   T
 -0.0935521303119131  7.5098146388297291  7.5071573125190545   T   T   T
 -1.5707499999999559  8.1618564180000188  0.0000000000000000   F   F   F
 -1.5707499214624905  9.9756022433230278  2.5394499999999609   F   F   F
 -1.5935947716374459  8.1773132750886113  5.0142981177255761   T   T   T
 -1.5897379283807851 10.1497566434795701  7.6911240682762303   T   T   T
 -3.1414999999999251 10.8824752239999647  0.0000000000000000   F   F   F
 -3.1414999214624828 12.6962210493229701  2.5394499999999609   F   F   F
 -3.1502767120757094 10.8835163124071919  5.0721299391862464   T   T   T
 -3.1525700185513825 12.8284483554945350  7.5828339401139928   T   T   T
  6.2829999999999666  0.0000000000000000  0.0000000000000000   F   F   F
  6.2830000785375386  1.8137458253230103  2.5394499999999609   F   F   F
  6.2815820249128489  0.0181755017987949  5.0956234835942533   T   T   T
  4.7122499999999539  2.7206188060000391  0.0000000000000000   F   F   F
  4.7122500785375161  4.5343646313230481  2.5394499999999609   F   F   F
  4.7065177049666698  2.7068668081004228  5.1719040903004831   T   T   T
  3.1414999999999877  5.4412376119999823  0.0000000000000000   F   F   F
  3.1415000785375486  7.2549834373229913  2.5394499999999609   F   F   F
  3.1429432800713317  5.4260511350291925  5.1439283170303094   T   T   T
  1.5707499999999666  8.1618564180000188  0.0000000000000000   F   F   F
  1.5707500785375297  9.9756022433230278  2.5394499999999609   F   F   F
  1.6024706869261820  8.1365155621027849  5.0962984946188410   T   T   T
  1.6180239535483016 10.0059092849052718  7.6822250936084462   T   T   T
 -0.0000000000000009 10.8824752239999647  0.0000000000000000   F   F   F
  0.0000000785375631 12.6962210493229701  2.5394499999999609   F   F   F
  0.0056975324262227 10.8524443494007379  5.0934414150856222   T   T   T
  0.0178872756313826 12.7603632054664544  7.5905857257390554   T   T   T
  9.4245000000000090  0.0000000000000000  0.0000000000000000   F   F   F
  9.4245000785374380  1.8137458253230103  2.5394499999999609   F   F   F
  9.4177862406979447  0.0375005896444992  5.0939769672388771   T   T   T
  7.8537499999999865  2.7206188060000391  0.0000000000000000   F   F   F
  7.8537500785374164  4.5343646313230481  2.5394499999999609   F   F   F
  7.8499294293509658  2.7164432506762930  5.1720809940480850   T   T   T
  6.2830000000000190  5.4412376119999823  0.0000000000000000   F   F   F
  6.2830000785374827  7.2549834373229913  2.5394499999999609   F   F   F
  6.2728017787274766  5.4204852376324322  5.1774278132652496   T   T   T
  6.2598924331809789  7.4650853533678605  7.5793202672583089   T   T   T
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  4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
  4.7122500785374619  9.9756022433230278  2.5394499999999609   F   F   F
  4.6659103088635474  8.1524480508989132  5.1197543989525132   T   T   T
  4.6853054278043436 10.1470862714452004  7.5754488110665861   T   T   T
  3.1415000000000415 10.8824752239999647  0.0000000000000000   F   F   F
  3.1415000785374954 12.6962210493229701  2.5394499999999609   F   F   F
  3.1165963041638145 10.9058491806984410  5.0385059686417391   T   T   T
  3.1170716442243629 12.7613581073066360  7.5911198753000653   T   T   T
 12.5659999999999332  0.0000000000000000  0.0000000000000000   F   F   F
 12.5660000785373605  1.8137458253230103  2.5394499999999609   F   F   F
 12.5507115528967557  0.0309452861053922  5.1020055087160552   T   T   T
 10.9952499999975277  2.7206188060000391  0.0000000000000000   F   F   F
 10.9952500785374951  4.5343646313230481  2.5394499999999609   F   F   F
 10.9874553067937075  2.7241458264784120  5.1643663204197550   T   T   T
  9.4244999999999646  5.4412376119999823  0.0000000000000000   F   F   F
  9.4245000785375268  7.2549834373229913  2.5394499999999609   F   F   F
  9.4138988310999956  5.4323686297057909  5.1989920762654540   T   T   T
  9.4258649922457707  7.5352349537791428  7.5601081554455742   T   T   T
  7.8537499999999438  8.1618564180000188  0.0000000000000000   F   F   F
  7.8537500785375070  9.9756022433230278  2.5394499999999609   F   F   F
  7.8301083515478558  8.1645603205527433  5.0506548673943961   T   T   T
  7.8219907396056865 10.1462222408145983  7.6541701990111219   T   T   T
  6.2829999999999746 10.8824752239999647  0.0000000000000000   F   F   F
  6.2830000785375404 12.6962210493229701  2.5394499999999609   F   F   F
  6.2736559884031395 10.9032367001215693  5.0446626055845840   T   T   T
  6.2676848075865346 12.8105215066246334  7.5875466595000294   T   T   T
  3.0747637054765313  6.7722494104551059  9.6165305777043208   T   T   T
  4.9215642835030646  9.1991651881419045 10.5152585461813306   T   T   T
  7.1575717574250932  9.5033161231072842 11.4728782920673709   T   T   T
  8.8497400507229553  7.6678136308111826 11.3493301201940646   T   T   T
  8.2351350363449463  5.4969212064488451 10.2737310028591864   T   T   T
  5.9671181509298714  5.1355717227712834  9.4024307102537659   T   T   T
  5.6256358908218713  8.3565643184386058 10.4653394844391467   T   T   T
  6.8972745881895854  8.5446510710908790 11.0144250487015807   T   T   T
  7.8452633183430303  7.5176247395134226 10.9465453364485104   T   T   T
  7.5019409053029040  6.3066044330106346 10.3405035763031456   T   T   T
  6.2026525463139084  6.1192014194417474  9.8300516243949048   T   T   T
  5.2044056437399409  7.1339140323200549  9.8709373259523687   T   T   T
### POSCAR for INT32 ###
Mg  H  C
 1.0000000000000000
    15.7074999999999996    0.0000000000000000    0.0000000000000000
    -7.8537499999999998   13.6030940299999994    0.0000000000000000
     0.0000000000000000    0.0000000000000000   35.1578000000000017
  90   5   6
Selective dynamics
Cartesian
  0.0000000000000000  0.0000000000000000  0.0000000000000000   F   F   F
  0.0000000785374505  1.8137458253230103  2.5394500034680880   F   F   F
  0.0022080657563909  0.0404539503566250  5.0865685108646304   T   T   T
 -1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
 -1.5707499214624598  4.5343646313230481  2.5394500034680880   F   F   F
 -1.5702864744950296  2.7247695781179098  5.1720463784141346   T   T   T
 -3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
 -3.1414999214624264  7.2549834373229904  2.5394500034680880   F   F   F
 -3.1400300976467790  5.4450234041061103  5.2010510179529241   T   T   T
 -3.1346654759812198  7.5702627683813049  7.5407484436259731   T   T   T
 -4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
 -4.7122499214624476  9.9756022433230278  2.5394500034680880   F   F   F
 -4.7023820885190144  8.1799986905220656  5.0027944968279163   T   T   T
 -4.7042716426193101 10.2013584443117757  7.6930751504608361   T   T   T
 -6.2829999999999773 10.8824752239999611  0.0000000000000000   F   F   F
 -6.2829999214624142 12.6962210493229701  2.5394500034680880   F   F   F
 -6.2890265410178623 10.8985463741712501  5.0718527727305052   T   T   T
 -6.2914767291932954 12.8403471653616084  7.5880421320890639   T   T   T
  3.1415000000000437  0.0000000000000000  0.0000000000000000   F   F   F
  3.1415000785374940  1.8137458253230103  2.5394500034680880   F   F   F
  3.1395384049418524  0.0336641953441593  5.0888648495225031   T   T   T
  1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
  1.5707500785374719  4.5343646313230481  2.5394500034680880   F   F   F
  1.5743056286003339  2.7221183325881846  5.1636087732968896   T   T   T
  0.0000000000000551  5.4412376119999806  0.0000000000000000   F   F   F
  0.0000000785375054  7.2549834373229904  2.5394500034680880   F   F   F
  0.0015759784475211  5.4344700060070235  5.1854027938508258   T   T   T
 -0.0733567973261415  7.5223366305377439  7.5214912136390835   T   T   T
 -1.5707499999999670  8.1618564180000188  0.0000000000000000   F   F   F
 -1.5707499214625162  9.9756022433230278  2.5394500034680880   F   F   F
 -1.5757598890720916  8.1920054790703372  4.9952007827381477   T   T   T
 -1.5513884927059527 10.1887226566630869  7.6895416747771854   T   T   T
 -3.1414999999999336 10.8824752239999611  0.0000000000000000   F   F   F
 -3.1414999214624828 12.6962210493229701  2.5394500034680880   F   F   F
 -3.1364450891410280 10.8918795464601565  5.0797790766768349   T   T   T
 -3.1309353482498326 12.8578257852673961  7.5860879787798403   T   T   T
  6.2829999999999773  0.0000000000000000  0.0000000000000000   F   F   F
  6.2830000785375404  1.8137458253230103  2.5394500034680880   F   F   F
  6.2887908540583224  0.0326760916373828  5.0844544534666793   T   T   T
  4.7122499999999556  2.7206188060000378  0.0000000000000000   F   F   F
  4.7122500785375179  4.5343646313230481  2.5394500034680880   F   F   F
  4.7154235147691592  2.7159507923035022  5.1523498650277588   T   T   T
  3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
  3.1415000785375513  7.2549834373229904  2.5394500034680880   F   F   F
  3.1440382287674669  5.4284939113745585  5.1245564994674258   T   T   T
  1.5707499999999666  8.1618564180000188  0.0000000000000000   F   F   F
  1.5707500785375297  9.9756022433230278  2.5394500034680880   F   F   F
  1.6084233117203359  8.1583201113665105  5.1064647603404447   T   T   T
  1.5970156996119798 10.1096897991749177  7.6326503011263522   T   T   T
  0.0000000000000000 10.8824752239999611  0.0000000000000000   F   F   F
  0.0000000785375631 12.6962210493229701  2.5394500034680880   F   F   F
  0.0097783574103047 10.8875969275390716  5.0687693804084244   T   T   T
  0.0223532471736521 12.8281388303266137  7.5836759354056182   T   T   T
  9.4245000000000214  0.0000000000000000  0.0000000000000000   F   F   F
  9.4245000785374717  1.8137458253230103  2.5394500034680880   F   F   F
  9.4355815295017837  0.0389657910438604  5.0919836921231729   T   T   T
  7.8537499999999998  2.7206188060000378  0.0000000000000000   F   F   F
  7.8537500785374501  4.5343646313230481  2.5394500034680880   F   F   F
  7.8579704664052707  2.7210481160986388  5.1716681014785690   T   T   T
  6.2830000000000332  5.4412376119999806  0.0000000000000000   F   F   F
  6.2830000785374835  7.2549834373229904  2.5394500034680880   F   F   F
  6.2788706017117661  5.4232537789205804  5.1520670421501178   T   T   T
  6.3024495207338989  7.4688795813548783  7.6103305611917094   T   T   T
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  4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
  4.7122500785374619  9.9756022433230278  2.5394500034680880   F   F   F
  4.6800198947090070  8.1510161521746749  5.1363413398767994   T   T   T
  4.7158357987702484 10.1186007540300693  7.6211784944432015   T   T   T
  3.1415000000000441 10.8824752239999611  0.0000000000000000   F   F   F
  3.1415000785374954 12.6962210493229701  2.5394500034680880   F   F   F
  3.1490808454199009 10.9121064543048583  5.0450929869856180   T   T   T
  3.1526725465582102 12.7863738111324796  7.5898001710460736   T   T   T
 12.5659999999999545  0.0000000000000000  0.0000000000000000   F   F   F
 12.5660000785375168  1.8137458253230103  2.5394500034680880   F   F   F
 12.5676195487500699  0.0435769581080655  5.0941453125155665   T   T   T
 10.9952499999999329  2.7206188060000378  0.0000000000000000   F   F   F
 10.9952500785374951  4.5343646313230481  2.5394500034680880   F   F   F
 10.9951813731270445  2.7325306539870557  5.1671890638967932   T   T   T
  9.4244999999999663  5.4412376119999806  0.0000000000000000   F   F   F
  9.4245000785375286  7.2549834373229904  2.5394500034680880   F   F   F
  9.4202632763699494  5.4364285392357941  5.1593128666456574   T   T   T
  9.4931385581498020  7.5763248889513450  7.5258326692776460   T   T   T
  7.8537499999999438  8.1618564180000188  0.0000000000000000   F   F   F
  7.8537500785375070  9.9756022433230278  2.5394500034680880   F   F   F
  7.8409462091411344  8.1631260367471334  5.0636466973660355   T   T   T
  7.8393570056786306 10.1472596876066348  7.6585492415958383   T   T   T
  6.2829999999999773 10.8824752239999611  0.0000000000000000   F   F   F
  6.2830000785375404 12.6962210493229701  2.5394500034680880   F   F   F
  6.2834992273793819 10.9086326711657229  5.0544030469860548   T   T   T
  6.2830422296631294 12.8160842082377453  7.5823316432887156   T   T   T
  4.5963719708344737  5.3444516937411333 10.1502175064412494   T   T   T
  6.4833013379191327  7.8664312730588879 10.9161670849021455   T   T   T
  8.8903427589631896  8.0615787046458411 11.3339980435777221   T   T   T
 10.4940388245898575  6.4490437322750296 10.2926485937903607   T   T   T
  9.6236248276413541  4.6558005309523605  8.7686451612521950   T   T   T
  7.2185052481559024  4.4483900796161180  8.3405964012793117   T   T   T
  7.1475672463000395  7.1303013857155859 10.4461092607641444   T   T   T
  8.5176378673493645  7.2583640315993376 10.6927069299353619   T   T   T
  9.4210226801715926  6.3642816822286479 10.0968990238138030   T   T   T
  8.9314978923603068  5.3571863288993526  9.2482493918286046   T   T   T
  7.5484969566970239  5.2430953658823549  9.0241852816754271   T   T   T
  6.5869261902989633  6.1056173908042242  9.6237170774153142   T   T   T
### POSCAR for INT33 ###
Mg Cl
 1.0000000000000000
    15.7075000000000014    0.0000000000000000    0.0000000000000000
    -7.8537499999999998   13.6030940299440690    0.0000000000000000
     0.0000000000000000    0.0000000000000000   35.1578000000000017
  90   1
Selective dynamics
Cartesian
  0.0000000000000000  0.0000000000000000  0.0000000000000000   F   F   F
  0.0000000000000560  1.8137458706592031  2.5394499999999609   F   F   F
  0.0001243141156798  0.0358383099687003  5.0837268595304588   T   T   T
 -1.5707500000000219  2.7206188059888516  0.0000000000000000   F   F   F
 -1.5707499999999661  4.5343646766480550  2.5394499999999609   F   F   F
 -1.5682703935733520  2.7188903710480683  5.1791832000899749   T   T   T
 -3.1414999999999886  5.4412376119776082  0.0000000000000000   F   F   F
 -3.1414999999999331  7.2549834826368107  2.5394499999999609   F   F   F
 12.5659376658920845  5.4355578338718527  5.1881450906358175   T   T   T
 -3.1419202920186460  7.5274174680795713  7.5854995242416283   T   T   T
 -4.7122500000000107  8.1618564179664599  0.0000000000000000   F   F   F
 -4.7122499999999548  9.9756022886256641  2.5394499999999609   F   F   F
 10.9880135111265034  8.1707717729070541  5.0398835124614347   T   T   T
 -4.7159377842832129 10.1749328464420064  7.7046890686779896   T   T   T
 -6.2829999999999773 10.8824752239552165  0.0000000000000000   F   F   F
 -6.2829999999999213 12.6962210946144189  2.5394499999999609   F   F   F
  9.4139930161777627 10.8697386010375663  5.0891144255296075   T   T   T
 -6.2968442498029891 12.8313671369470459  7.5870056987884649   T   T   T
  3.1415000000000441  0.0000000000000000  0.0000000000000000   F   F   F
  3.1414999999999891  1.8137458706592031  2.5394499999999609   F   F   F
  3.1403112245303744  0.0216266231773732  5.0889856794027866   T   T   T
  1.5707500000000223  2.7206188059888516  0.0000000000000000   F   F   F
  1.5707499999999670  4.5343646766480550  2.5394499999999609   F   F   F
  1.5693307043308808  2.7132019499098554  5.1815580029648780   T   T   T
  0.0000000000000555  5.4412376119776082  0.0000000000000000   F   F   F
  0.0000000000000000  7.2549834826368107  2.5394499999999609   F   F   F
  0.0068470157898002  5.4339144196144744  5.1965934429725111   T   T   T
 -0.0226038651432887  7.5188741531811916  7.5946836640336057   T   T   T
 -1.5707499999999666  8.1618564179664599  0.0000000000000000   F   F   F
 -1.5707500000000216  9.9756022886256641  2.5394499999999609   F   F   F
 -1.5645666143098529  8.1709788079257173  5.0393791923395526   T   T   T
 -1.5671753343708410 10.1751769888856742  7.7044038749172525   T   T   T
 -3.1414999999999331 10.8824752239552165  0.0000000000000000   F   F   F
 -3.1414999999999882 12.6962210946144189  2.5394499999999609   F   F   F
 -3.1420533869057934 10.8736135982471538  5.0778380003142072   T   T   T
 -3.1416408621808740 12.8451185695167425  7.5846607065915492   T   T   T
  6.2829999999999782  0.0000000000000000  0.0000000000000000   F   F   F
  6.2830000000000350  1.8137458706592031  2.5394499999999609   F   F   F
  6.2843148749348883  0.0215061255178005  5.0891850435788406   T   T   T
  4.7122499999999565  2.7206188059888516  0.0000000000000000   F   F   F
  4.7122500000000134  4.5343646766480550  2.5394499999999609   F   F   F
  4.7122908610961201  2.7053245790256812  5.1861652963079363   T   T   T
  3.1414999999999895  5.4412376119776082  0.0000000000000000   F   F   F
  3.1415000000000459  7.2549834826368107  2.5394499999999609   F   F   F
  3.1422551077584182  5.4231999380814946  5.1422123585779831   T   T   T
  3.1151547276863578  7.4372327914015575  7.6588807605721572   T   T   T
  1.5707499999999675  8.1618564179664599  0.0000000000000000   F   F   F
  1.5707500000000243  9.9756022886256641  2.5394499999999609   F   F   F
  1.5854560706023131  8.1569475953173534  5.0662555491107080   T   T   T
  1.5927668968908728 10.1460950827197749  7.7072798479662543   T   T   T
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  0.0000000000000577 12.6962210946144189  2.5394499999999609   F   F   F
  0.0098505224363752 10.8702051190051279  5.0888069453748166   T   T   T
  0.0141837573864505 12.8330486235993408  7.5868271944961130   T   T   T
  9.4245000000000232  0.0000000000000000  0.0000000000000000   F   F   F
  9.4244999999999663  1.8137458706592031  2.5394499999999609   F   F   F
  9.4244717457628173  0.0355316856930610  5.0829838233354829   T   T   T
  7.8537500000000016  2.7206188059888516  0.0000000000000000   F   F   F
  7.8537499999999447  4.5343646766480550  2.5394499999999609   F   F   F
  7.8542089189543933  2.7124310892529238  5.1813305325044112   T   T   T
  6.2830000000000350  5.4412376119776082  0.0000000000000000   F   F   F
  6.2829999999999782  7.2549834826368107  2.5394499999999609   F   F   F
  6.2823612353649771  5.4227349361880330  5.1424027780421575   T   T   T
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  6.3090303157989585  7.4396475195778127  7.6566256081617858   T   T   T
  4.7122500000000125  8.1618564179664599  0.0000000000000000   F   F   F
  4.7122499999999565  9.9756022886256641  2.5394499999999609   F   F   F
  4.7115845771887344  8.1688351785350690  5.1026638099628387   T   T   T
  4.7115417453016928 10.1867198051717072  7.6155124732528572   T   T   T
  3.1415000000000459 10.8824752239552165  0.0000000000000000   F   F   F
  3.1414999999999900 12.6962210946144189  2.5394499999999609   F   F   F
  3.1347061479087088 10.9077944660755932  5.0528009875478279   T   T   T
  3.1393789548461859 12.8414202250223610  7.5775466460900303   T   T   T
 12.5659999999999563  0.0000000000000000  0.0000000000000000   F   F   F
 12.5660000000000132  1.8137458706592031  2.5394499999999609   F   F   F
 12.5659896735354728  0.0337952797351921  5.0832922658381898   T   T   T
 10.9952499999999347  2.7206188059888516  0.0000000000000000   F   F   F
 10.9952499999999898  4.5343646766480550  2.5394499999999609   F   F   F
 10.9925779861239228  2.7184763731578188  5.1794175986077509   T   T   T
  9.4244999999999681  5.4412376119776082  0.0000000000000000   F   F   F
  9.4245000000000232  7.2549834826368107  2.5394499999999609   F   F   F
  9.4175670652925252  5.4330255170583728  5.1969068033258301   T   T   T
  9.4463835048346532  7.5178044444729606  7.5955053518890487   T   T   T
  7.8537499999999456  8.1618564179664599  0.0000000000000000   F   F   F
  7.8537500000000016  9.9756022886256641  2.5394499999999609   F   F   F
  7.8387188421188920  8.1563281952904916  5.0662333553771202   T   T   T
  7.8312128143653679 10.1460637526423447  7.7066274794878256   T   T   T
  6.2829999999999790 10.8824752239552165  0.0000000000000000   F   F   F
  6.2830000000000350 12.6962210946144189  2.5394499999999609   F   F   F
  6.2894887008706339 10.9073624081167555  5.0524086874440277   T   T   T
  6.2857077506175356 12.8407374959162226  7.5779791963996770   T   T   T
  4.7136918642738737  6.3006532509597521  9.1188008680966952   T   T   T
### POSCAR for TS33-34 ###
Mg Cl
 1.0000000000000000
    15.7074999999999996    0.0000000000000000    0.0000000000000000
    -7.8537499999999998   13.6030940000000005    0.0000000000000000
     0.0000000000000000    0.0000000000000000   35.1578000000000017
  90   1
Selective dynamics
Cartesian
  0.0000000000000000  0.0000000000000000  0.0000000000000000   F   F   F
  0.0000000785374474  1.8137458213230107  2.5394500034680880   F   F   F
 -0.0084339195443978  0.0350107304605570  5.0850494346593837   T   T   T
 -1.5707500000000221  2.7206188000000409  0.0000000000000000   F   F   F
 -1.5707499214625715  4.5343646213230482  2.5394500034680880   F   F   F
 14.1328307119953855  2.7226617277315603  5.1737840199964689   T   T   T
 -3.1414999999999762  5.4412375999999805  0.0000000000000000   F   F   F
 -3.1414999214624273  7.2549834213229918  2.5394500034680880   F   F   F
 12.5667673140314609  5.4420703475504935  5.1912626194462668   T   T   T
 -3.1564070374626927  7.5367240953725174  7.5644555936306341   T   T   T
 -4.7122499999999858  8.1618564000000191  0.0000000000000000   F   F   F
 -4.7122499214624236  9.9756022213230349  2.5394500034680880   F   F   F
 -4.7088144036776107  8.1845747319815185  5.0087199516967154   T   T   T
 -4.7130429544059247 10.1904826478090342  7.6946759127015216   T   T   T
 -6.2829999999999524 10.8824751999999609  0.0000000000000000   F   F   F
 -6.2829999214624488 12.6962210213230779  2.5394500034680880   F   F   F
  9.4128481088773377 10.8827140047522963  5.0770395537113595   T   T   T
 -6.3067350683323058 12.8305482714802963  7.5825177060896021   T   T   T
  3.1415000000000437  0.0000000000000000  0.0000000000000000   F   F   F
  3.1415000785374940  1.8137458213230107  2.5394500034680880   F   F   F
  3.1351361998689296  0.0232377964723651  5.0869083673309650   T   T   T
  1.5707500000000201  2.7206188000000409  0.0000000000000000   F   F   F
  1.5707500785374719  4.5343646213230482  2.5394500034680880   F   F   F
  1.5686615666370165  2.7125979067866135  5.1760314256523206   T   T   T
  0.0000000000000551  5.4412375999999805  0.0000000000000000   F   F   F
  0.0000000785375063  7.2549834213229918  2.5394500034680880   F   F   F
 -0.0004185095991334  5.4289901763294308  5.1719135223313932   T   T   T
 -0.0720765522940185  7.4949602427161031  7.5242549707235700   T   T   T
 -1.5707499999999559  8.1618564000000191  0.0000000000000000   F   F   F
 -1.5707499214624940  9.9756022213230349  2.5394500034680880   F   F   F
 -1.5840697107158794  8.1862111153145118  5.0060406553396239   T   T   T
 -1.5595205229637754 10.1674764776854936  7.6916785540735706   T   T   T
 -3.1414999999998470 10.8824751999999609  0.0000000000000000   F   F   F
 -3.1414999214625334 12.6962210213230779  2.5394500034680880   F   F   F
 -3.1392777358083910 10.8875550993308323  5.0745180874316071   T   T   T
 -3.1350170401810082 12.8546041127250312  7.5870816524234623   T   T   T
  6.2829999999999666  0.0000000000000000  0.0000000000000000   F   F   F
  6.2830000785375386  1.8137458213230107  2.5394500034680880   F   F   F
  6.2864651427459535  0.0260950266679201  5.0858590712869409   T   T   T
  4.7122499999999512  2.7206188000000409  0.0000000000000000   F   F   F
  4.7122500785375161  4.5343646213230482  2.5394500034680880   F   F   F
  4.7075805537966735  2.7058848841150658  5.1890741283770883   T   T   T
  3.1414999999999886  5.4412375999999805  0.0000000000000000   F   F   F
  3.1415000785375486  7.2549834213229918  2.5394500034680880   F   F   F
  3.1423807789857721  5.4242953422213036  5.1754341678467597   T   T   T
  4.8021341440230065  7.9627908103837273 10.5005890092236829   T   T   T
  1.5707499999999666  8.1618564000000191  0.0000000000000000   F   F   F
  1.5707500785375288  9.9756022213230349  2.5394500034680880   F   F   F
  1.6074446272544582  8.1532060141927101  5.1066926976852516   T   T   T
  1.5872083991446129 10.0933112072355531  7.6215382204817583   T   T   T
  0.0000000000000000 10.8824751999999609  0.0000000000000000   F   F   F
  0.0000000785375072 12.6962210213230779  2.5394500034680880   F   F   F
  0.0043618210152019 10.8806018589138720  5.0653528143117201   T   T   T
  0.0184223004405384 12.8117522061313949  7.5824498840212868   T   T   T
  9.4245000000000090  0.0000000000000000  0.0000000000000000   F   F   F
  9.4245000785374380  1.8137458213230107  2.5394500034680880   F   F   F
  9.4346845988866193  0.0343655174888609  5.0955848650262858   T   T   T
  7.8537499999999856  2.7206188000000409  0.0000000000000000   F   F   F
  7.8537500785374164  4.5343646213230482  2.5394500034680880   F   F   F
  7.8555879243905480  2.7111290493499309  5.1776532808002154   T   T   T
  6.2830000000000332  5.4412375999999805  0.0000000000000000   F   F   F
  6.2830000785374827  7.2549834213229918  2.5394500034680880   F   F   F
  6.2788122750828732  5.4096674663988322  5.1279222349112628   T   T   T
  6.3121284953044308  7.4239539008144417  7.5591635276992584   T   T   T
  4.7122500000000107  8.1618564000000191  0.0000000000000000   F   F   F
  4.7122500785374584  9.9756022213230349  2.5394500034680880   F   F   F
  4.6853253035747118  8.1425816195692082  5.0896519668209192   T   T   T
  4.7031813338955502 10.0346435167151284  7.6265982650240138   T   T   T
  3.1415000000000441 10.8824751999999609  0.0000000000000000   F   F   F
  3.1415000785374350 12.6962210213230779  2.5394500034680880   F   F   F
  3.1507611414812926 10.9015099419440578  5.0495210069704859   T   T   T
  3.1538971315442543 12.7514264623848081  7.5822608222592089   T   T   T
 12.5659999999999332  0.0000000000000000  0.0000000000000000   F   F   F
 12.5660000785373605  1.8137458213230107  2.5394500034680880   F   F   F
 12.5618762827379182  0.0476473391999858  5.0886433960229791   T   T   T
 10.9952499999999276  2.7206188000000409  0.0000000000000000   F   F   F
 10.9952500785374951  4.5343646213230482  2.5394500034680880   F   F   F
 10.9956014165887623  2.7299459774137262  5.1638203884697864   T   T   T
  9.4244999999999663  5.4412375999999805  0.0000000000000000   F   F   F
  9.4245000785375268  7.2549834213229918  2.5394500034680880   F   F   F
  9.4187163522603949  5.4361157889773040  5.1912313734327213   T   T   T
  9.4753595461294857  7.5457521768553493  7.5465630928177685   T   T   T
  7.8537499999999438  8.1618564000000191  0.0000000000000000   F   F   F
  7.8537500785375087  9.9756022213230349  2.5394500034680880   F   F   F
  7.8422902288430683  8.1659528599081881  5.0495411505722974   T   T   T
  7.8307771024234185 10.1240356152338524  7.6750804776383355   T   T   T
  6.2829999999999773 10.8824751999999609  0.0000000000000000   F   F   F
  6.2830000785374818 12.6962210213230779  2.5394500034680880   F   F   F
  6.2754597867325677 10.8919907780380925  5.0695907063173191   T   T   T
  6.2634150825310133 12.7798425644213349  7.5688567581053245   T   T   T
  5.9011169198115994  6.0471668092085578  9.5384510642299460   T   T   T
### POSCAR for INT34 ###
Mg Cl
 1.0000000000000000
    15.7074999999999996    0.0000000000000000    0.0000000000000000
    -7.8537499999999998   13.6030940299999994    0.0000000000000000
     0.0000000000000000    0.0000000000000000   35.1578000000000017
  90   1
Selective dynamics
Cartesian
  0.0000000000000000  0.0000000000000000  0.0000000000000000   F   F   F
  0.0000000785374505  1.8137458253230103  2.5394500034680880   F   F   F
  0.0060047937592802  0.0341809091779297  5.0908611185747326   T   T   T
 -1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
 -1.5707499214624598  4.5343646313230481  2.5394500034680880   F   F   F
 -1.5674457255432765  2.7144370937367750  5.1728041041983648   T   T   T
 -3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
 -3.1414999214624264  7.2549834373229904  2.5394500034680880   F   F   F
 -3.1393836805194053  5.4338374201008683  5.1886595190648581   T   T   T
 -3.1366708502081968  7.5056275086347286  7.5580885099906423   T   T   T
 -4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
 -4.7122499214624476  9.9756022433230278  2.5394500034680880   F   F   F
 -4.6986654295677734  8.1791230907969741  5.0024673471092989   T   T   T
 -4.6904590473441399 10.1565111654155764  7.6862292453932470   T   T   T
 -6.2829999999999773 10.8824752239999611  0.0000000000000000   F   F   F
 -6.2829999214624142 12.6962210493229701  2.5394500034680880   F   F   F
 -6.2864914358121942 10.8767690797791179  5.0813407561633506   T   T   T
 -6.2845905052989579 12.7993301962546795  7.5886998284432297   T   T   T
  3.1415000000000437  0.0000000000000000  0.0000000000000000   F   F   F
  3.1415000785374940  1.8137458253230103  2.5394500034680880   F   F   F
  3.1465591754089370  0.0237580290054241  5.0954675467460850   T   T   T
  1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
  1.5707500785374719  4.5343646313230481  2.5394500034680880   F   F   F
  1.5774105309506146  2.7151422406585914  5.1620646157768553   T   T   T
  0.0000000000000551  5.4412376119999806  0.0000000000000000   F   F   F
  0.0000000785375054  7.2549834373229904  2.5394500034680880   F   F   F
  0.0013948966900186  5.4177646536539781  5.1772205896106192   T   T   T
 -0.0621204622204612  7.4700224379312887  7.5189736315134921   T   T   T
 -1.5707499999999670  8.1618564180000188  0.0000000000000000   F   F   F
 -1.5707499214625162  9.9756022433230278  2.5394500034680880   F   F   F
 -1.5746136603441609  8.1783072592545576  5.0022644700341941   T   T   T
 -1.5416513259802764 10.1353792105766924  7.6836702643041672   T   T   T
 -3.1414999999999336 10.8824752239999611  0.0000000000000000   F   F   F
 -3.1414999214624828 12.6962210493229701  2.5394500034680880   F   F   F
 -3.1292898820025288 10.8815712444673718  5.0697133199987006   T   T   T
 -3.1185905414727157 12.8109562734519979  7.5828999347630512   T   T   T
  6.2829999999999773  0.0000000000000000  0.0000000000000000   F   F   F
  6.2830000785375404  1.8137458253230103  2.5394500034680880   F   F   F
  6.2930789599129104  0.0216704312058977  5.0884191511003323   T   T   T
  4.7122499999999556  2.7206188060000378  0.0000000000000000   F   F   F
  4.7122500785375179  4.5343646313230481  2.5394500034680880   F   F   F
  4.7156919211118851  2.7080306641939651  5.1503720338323822   T   T   T
  3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
  3.1415000785375513  7.2549834373229904  2.5394500034680880   F   F   F
  3.1430338295997529  5.4237967258668327  5.1464607250461256   T   T   T
  4.3606095991616769  4.9174450098637656 10.6435433013012020   T   T   T
  1.5707499999999666  8.1618564180000188  0.0000000000000000   F   F   F
  1.5707500785375297  9.9756022433230278  2.5394500034680880   F   F   F
  1.6111779544933027  8.1476622913965340  5.1004477214665060   T   T   T
  1.6049393853380378 10.0663808118213680  7.6317567418395358   T   T   T
  0.0000000000000000 10.8824752239999611  0.0000000000000000   F   F   F
  0.0000000785375631 12.6962210493229701  2.5394500034680880   F   F   F
  0.0154124165211096 10.8728114850141520  5.0677682381742795   T   T   T
  0.0320775533721385 12.7813167274807125  7.5796232715912017   T   T   T
  9.4245000000000214  0.0000000000000000  0.0000000000000000   F   F   F
  9.4245000785374717  1.8137458253230103  2.5394500034680880   F   F   F
  9.4410326879351913  0.0306053993871546  5.0995540838235893   T   T   T
  7.8537499999999998  2.7206188060000378  0.0000000000000000   F   F   F
  7.8537500785374501  4.5343646313230481  2.5394500034680880   F   F   F
  7.8610912073465178  2.7081333983833873  5.1682166747685425   T   T   T
  6.2830000000000332  5.4412376119999806  0.0000000000000000   F   F   F
  6.2830000785374835  7.2549834373229904  2.5394500034680880   F   F   F
  6.2816679198606451  5.4107784352401955  5.1201542698763349   T   T   T
  6.3472717407458976  7.4049342408828922  7.5903443318916493   T   T   T
  4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
  4.7122500785374619  9.9756022433230278  2.5394500034680880   F   F   F
  4.6932887121719107  8.1381275470900665  5.1302448282996567   T   T   T
  4.7288987093598749 10.0746190742713200  7.6102469365385774   T   T   T
  3.1415000000000441 10.8824752239999611  0.0000000000000000   F   F   F
  3.1415000785374954 12.6962210493229701  2.5394500034680880   F   F   F
  3.1517213358780598 10.8987999716958548  5.0468448555356824   T   T   T
  3.1622025632679600 12.7443010446283473  7.5944876578889433   T   T   T
 12.5659999999999545  0.0000000000000000  0.0000000000000000   F   F   F
 12.5660000785375168  1.8137458253230103  2.5394500034680880   F   F   F
 12.5718661728155663  0.0309097860869063  5.0969277649439828   T   T   T
 10.9952499999999329  2.7206188060000378  0.0000000000000000   F   F   F
 10.9952500785374951  4.5343646313230481  2.5394500034680880   F   F   F
 11.0020797933482140  2.7234831549873837  5.1660185670936771   T   T   T
  9.4244999999999663  5.4412376119999806  0.0000000000000000   F   F   F
  9.4245000785375286  7.2549834373229904  2.5394500034680880   F   F   F
  9.4177883211230782  5.4304642308608635  5.1879273631936185   T   T   T
  9.5022845815432362  7.5241568700117858  7.5372421525573463   T   T   T
  7.8537499999999438  8.1618564180000188  0.0000000000000000   F   F   F
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  7.8537500785375070  9.9756022433230278  2.5394500034680880   F   F   F
  7.8541968070786412  8.1585205824643641  5.0462980863974813   T   T   T
  7.8491214045389937 10.1008210596400509  7.6791590596075023   T   T   T
  6.2829999999999773 10.8824752239999611  0.0000000000000000   F   F   F
  6.2830000785375404 12.6962210493229701  2.5394500034680880   F   F   F
  6.2915825079112322 10.8956531075276377  5.0565001559788039   T   T   T
  6.2927979076021510 12.7778044764073595  7.5815400761680873   T   T   T
  6.2506364453877570  5.7072500809314253  9.3621519670582138   T   T   T
### POSCAR for INT35 ###
Mg  C  H Cl  O
 1.0000000000000000
    15.7074999999999996    0.0000000000000000    0.0000000000000000
    -7.8537499999999998   13.6030940299999994    0.0000000000000000
     0.0000000000000000    0.0000000000000000   35.1578000000000017
 101   9  19   1   2
Selective dynamics
Cartesian
  0.0000000000000000  0.0000000000000000  0.0000000000000000   F   F   F
  0.0000000785374505  1.8137458253230103  2.5394499999999609   F   F   F
  0.0018353078527515  0.0006661443514121  5.0959637859237885   T   T   T
 -0.0008032766893582  1.8013360786039641  7.7035175449202384   T   T   T
 -1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
 -1.5707499214624598  4.5343646313230481  2.5394499999999609   F   F   F
 -1.5634449170302125  2.7240466635071132  5.0958801395056010   T   T   T
 -1.5775935250912996  4.5368586818100107  7.7040590157835371   T   T   T
 -3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
 -3.1414999214624264  7.2549834373229904  2.5394499999999609   F   F   F
 -3.1375180503919093  5.4414354658122592  5.0968670121217983   T   T   T
 -3.1499887594669644  7.2581899330611845  7.6778287895518549   T   T   T
 -4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
 -4.7122499214624476  9.9756022433230278  2.5394499999999609   F   F   F
 -4.7115469140319357  8.1611142851075744  5.0743783001924436   T   T   T
 -4.7108536791819038  9.9749879153917540  7.6652085081899086   T   T   T
 -6.2829999999999773 10.8824752239999611  0.0000000000000000   F   F   F
 -6.2829999214624142 12.6962210493229701  2.5394499999999609   F   F   F
 -6.2827653227368252 10.8813658193375584  5.0747129009666665   T   T   T
 -6.2837001843968698 12.6842396358990399  7.6775360901237599   T   T   T
  3.1415000000000437  0.0000000000000000  0.0000000000000000   F   F   F
  3.1415000785374940  1.8137458253230103  2.5394499999999609   F   F   F
 -4.7112091879549984 13.5874098726953640  5.0751980706697797   T   T   T
  3.1433924003425551  1.7607353767464162  7.6368579945113808   T   T   T
  1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
  1.5707500785374719  4.5343646313230481  2.5394499999999609   F   F   F
  1.5726047148383420  2.7137151663214083  5.0888475079127655   T   T   T
  1.5027956594325746  4.4919747075404395  7.6868986016314755   T   T   T
  0.0000000000000551  5.4412376119999806  0.0000000000000000   F   F   F
  0.0000000785375054  7.2549834373229904  2.5394499999999609   F   F   F
 -0.0030465774419994  5.4443703032849866  5.0875937803551174   T   T   T
 -0.0407411122327312  7.2780433621783525  7.6365501442120971   T   T   T
 -1.5707499999999670  8.1618564180000188  0.0000000000000000   F   F   F
 -1.5707499214625162  9.9756022433230278  2.5394499999999609   F   F   F
 -1.5816541354910703  8.1685926327910021  5.0761033592193128   T   T   T
 -1.5766460498875619  9.9813904484233387  7.6793724953378675   T   T   T
 -3.1414999999999336 10.8824752239999611  0.0000000000000000   F   F   F
 -3.1414999214624828 12.6962210493229701  2.5394499999999609   F   F   F
 -3.1399829133141468 10.8815561652379724  5.0746511776844674   T   T   T
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  6.2830000785375404  1.8137458253230103  2.5394499999999609   F   F   F
  6.2830104887988618  0.0010347541989093  5.0976146774548576   T   T   T
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  4.7122500785375179  4.5343646313230481  2.5394499999999609   F   F   F
  4.7125626542887442  2.7145211227887169  5.0891820107984573   T   T   T
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  3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
  3.1415000785375513  7.2549834373229904  2.5394499999999609   F   F   F
  3.1421308696859849  5.4401025472755205  5.1399299249824999   T   T   T
  3.1429037920409035  7.3280694394319594  7.6878822705368233   T   T   T
  1.5707499999999666  8.1618564180000188  0.0000000000000000   F   F   F
  1.5707500785375297  9.9756022433230278  2.5394499999999609   F   F   F
  1.5673153968104883  8.1629333664243475  5.0883432804723077   T   T   T
  1.5659122584593108  9.9778506012836967  7.7076530728639616   T   T   T
  0.0000000000000000 10.8824752239999611  0.0000000000000000   F   F   F
  0.0000000785375631 12.6962210493229701  2.5394499999999609   F   F   F
  0.0030065809682913 10.8787001152073355  5.0980296411427339   T   T   T
  0.0033210676951922 12.6941727872331782  7.6906497215056513   T   T   T
  9.4245000000000214  0.0000000000000000  0.0000000000000000   F   F   F
  9.4245000785374717  1.8137458253230103  2.5394499999999609   F   F   F
  9.4259370563462692 -0.0004686750451637  5.0867970278834873   T   T   T
  9.4236397224062429  1.8145378958797334  7.6775977057932074   T   T   T
  7.8537499999999998  2.7206188060000378  0.0000000000000000   F   F   F
  7.8537500785374501  4.5343646313230481  2.5394499999999609   F   F   F
  7.8485649171868728  2.7239037881521297  5.0950585022917450   T   T   T
  7.8641521874879450  4.5363501142786538  7.7047671108656992   T   T   T
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  6.2830000785374835  7.2549834373229904  2.5394499999999609   F   F   F
  6.2874568712037000  5.4438500800213649  5.0894383530860425   T   T   T
  6.3275359693518372  7.2777632007555555  7.6383169910572670   T   T   T
  4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
  4.7122500785374619  9.9756022433230278  2.5394499999999609   F   F   F
  4.7181165303866148  8.1630841863554018  5.0894041594069517   T   T   T
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  3.1415000785374954 12.6962210493229701  2.5394499999999609   F   F   F
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  3.1428261016178158 12.6912192834213737  7.6806238318868099   T   T   T
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 12.5660000785374049  1.8137458253230103  2.5394499999999609   F   F   F
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 10.9952499999998210  2.7206188060000378  0.0000000000000000   F   F   F
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  7.8537500785375070  9.9756022433230278  2.5394499999999609   F   F   F
  7.8661517369471925  8.1682933119862753  5.0761839932924868   T   T   T
  7.8625169309242846  9.9811435714525771  7.6793470643322514   T   T   T
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  6.2819828252356515 10.8793236466209535  5.0969772823265691   T   T   T
  6.2835588538594687 12.6944347917223403  7.6898280364403409   T   T   T
  3.1779248667582305  7.1841832725287302 13.9530962132541703   T   T   T
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  3.0388599696253902  9.8729279078019285 14.5458739354558215   T   T   T
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  5.3309978524207153  7.9877664419177128 17.7821826089902473   T   T   T
  7.0502341800938275  8.0731095512921449 17.3141828651895935   T   T   T
  6.5127061112553530  7.9236455864098785 14.9444144035647994   T   T   T
  5.0990392892850203  8.8685370052121719 15.5224249638847596   T   T   T
  5.0078571858512628  4.8001794622882521 15.6569744161058271   T   T   T
  3.9822406212931374  5.6900760367874303 16.8336118408874142   T   T   T
  7.0394461483158715  5.7274935937234526 16.5752078741499602   T   T   T
  6.0655761565324262  5.6514762135018364 18.0681061696367102   T   T   T
  1.4923387486447708  5.2423917953143135 17.8163522638765244   T   T   T
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  1.4613884664083985  4.7214314308421557 15.4450602844622669   T   T   T
  1.6196898716834314  8.7232041453907065 16.1745190005089690   T   T   T
  2.7604505175690237  7.7004948960277622 17.1089351275691293   T   T   T
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  0.8276431469793124  7.4984696674450264 18.5439841844306024   T   T   T
  3.1421292800454568  5.4282528759830448  9.4887316040074268   T   T   T
  4.7592688316151248  6.8335889718872318 15.2673315147123745   T   T   T
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### POSCAR for INT35-36 ###
Mg  C  H Cl  O
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Selective dynamics
Cartesian
  0.0000000000000000  0.0000000000000000  0.0000000000000000   F   F   F
  0.0000000785374505  1.8137458253230103  2.5394499999999609   F   F   F
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 -0.0126391210672294  1.8085991825984205  7.6643300857161085   T   T   T
 -1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
 -1.5707499214624598  4.5343646313230481  2.5394499999999609   F   F   F
 14.1305063445615193  2.7249082846013080  5.0835070079438269   T   T   T
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 -3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
 -3.1414999214624264  7.2549834373229904  2.5394499999999609   F   F   F
 12.5648752499970335  5.4420778139933148  5.0890902093179093   T   T   T
 -3.1389507178193790  7.2551960169887186  7.6806969791977586   T   T   T
 -4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
 -4.7122499214624476  9.9756022433230278  2.5394499999999609   F   F   F
 10.9929758423068265  8.1562169616188100  5.0907897004663276   T   T   T
 -4.7131132697543752  9.9715958101646258  7.6769299470407768   T   T   T
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 -6.2829999214624142 12.6962210493229701  2.5394499999999609   F   F   F
 -6.2802153207142917 10.8787985090583383  5.0810217403672473   T   T   T
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  1.5707500785374719  4.5343646313230481  2.5394499999999609   F   F   F
  1.5668547130182044  2.7346105769802702  5.1134263891585476   T   T   T
  1.5338961924512016  4.5547549782419923  7.7362764966986015   T   T   T
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  0.0000000785375054  7.2549834373229904  2.5394499999999609   F   F   F
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 -1.5749041241405743  8.1631164388115209  5.0853974384389851   T   T   T
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  6.2755522228947473  1.8227443499793730  7.6886082331389733   T   T   T
  4.7122499999999556  2.7206188060000378  0.0000000000000000   F   F   F
  4.7122500785375179  4.5343646313230481  2.5394499999999609   F   F   F
  4.7124073799214381  2.7348519946912488  5.1079490149203730   T   T   T
  4.7209872880489350  4.5604184549131945  7.7384294101058728   T   T   T
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  3.1415000785375513  7.2549834373229904  2.5394499999999609   F   F   F
  3.1375141591852560  5.4449142658887908  5.1354774011296165   T   T   T
  3.1423567341324921  7.3178021871229815  7.6221142384164100   T   T   T
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  1.5707500785375297  9.9756022433230278  2.5394499999999609   F   F   F
  1.5630500366653601  8.1809703159396694  5.0853524623346207   T   T   T
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  0.0000000000000000 10.8824752239999611  0.0000000000000000   F   F   F
  0.0000000785375631 12.6962210493229701  2.5394499999999609   F   F   F
 -0.0098317655779141 10.8961922842760259  5.0741729098812263   T   T   T
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   9.4198826295328182  0.0058070991203741  5.0842695960066431   T   T   T
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   7.8537499999999998  2.7206188060000378  0.0000000000000000   F   F   F
   7.8537500785374501  4.5343646313230481  2.5394499999999609   F   F   F
   7.8512344465727590  2.7272300193276138  5.0908645122506204   T   T   T
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   6.2830000785374835  7.2549834373229904  2.5394499999999609   F   F   F
   6.2832796119739722  5.4469130911237569  5.0791144183943198   T   T   T
   6.2569493157952003  7.2676736270597244  7.6469028140473130   T   T   T
   4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
   4.7122500785374619  9.9756022433230278  2.5394499999999609   F   F   F
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   9.4245000785375286  7.2549834373229904  2.5394499999999609   F   F   F
   9.4182190144062865  5.4427555903172919  5.0888792116590897   T   T   T
   9.4095573106374424  7.2555888054570721  7.6818900851457492   T   T   T
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   7.8537500785375070  9.9756022433230278  2.5394499999999609   F   F   F
   7.8529401417448650  8.1647202925660594  5.0846362194873729   T   T   T
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   6.2939037550221641 10.8954463207941057  5.0658832519291650   T   T   T
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   2.1691216371621178  6.8309251989754864 14.3343985261923024   T   T   T
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 101   9  19   1   2
Selective dynamics
Cartesian
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Selective dynamics
Cartesian
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1.5015759419716406	4.4926624248548794	7.7012690862579536	T	T	T
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0.5992684834652304	6.2071835593682589	15.8495891344325059	T	T	T
1.3073285348527115	8.4819854050011312	16.0977793947466310	T	T	T
-0.0380325090748634	8.3023154863149173	16.7722735423506002	T	T	T
5.5299036133077850	8.3936235895296019	17.2536921761681121	T	T	T
5.3888894050737912	8.2834082340839448	15.7489991368406130	T	T	T
4.3551639453597684	6.3829588649503544	16.7755379897663381	T	T	T
5.4334770672383215	6.9310886520221375	17.6944097241759657	T	T	T
4.0250586068233121	10.8128020337000468	12.1301258893165027	T	T	T
5.1619173002333687	9.5011245795888541	12.7537434200397133	T	T	T
2.1107041608392167	9.6396926646355627	12.9270583757616890	T	T	T
0.5717957945386334	6.5986888559608211	17.9809503675971349	T	T	T
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6.3453525031331708	8.0254299241055627	15.2634906117597460	T	T	T
4.9500759698031782	9.1624118798568137	15.2554259677083550	T	T	T
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1.5324764213501556	7.2301425291778640	15.3699477452311193	T	T	T
4.4610048473785167	7.1647864244612620	15.5409723210602042	T	T	T
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POSCAR for TS37-38

Mg C H Cl O

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101 10 19 1 2

Selective dynamics

Cartesian

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-1.5707499214624598	4.5343646313230481	2.5394499999999609	F	F	F
14.1246213471913578	2.7188255716697949	5.0721034646615113	T	T	T
-1.5680385189116552	4.5295152966346945	7.6545766470088896	T	T	T
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-3.1414999214624264	7.2549834373229904	2.5394499999999609	F	F	F
-3.1342309885028725	5.4412107399055234	5.0753920067109926	T	T	T
-3.1338025103369134	7.2522865256229538	7.6718026904158201	T	T	T
-4.7122500000000107	8.1618564180000188	0.0000000000000000	F	F	F
-4.7122499214624476	9.9756022433230278	2.5394499999999609	F	F	F
-4.7038538021922891	8.1599636913258475	5.0802454347828627	T	T	T
-4.7162660425804175	9.9745216606921190	7.6711632346394563	T	T	T
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-6.2829999214624142	12.6962210493229701	2.5394499999999609	F	F	F
9.4210167433913163	10.8875658745091357	5.0885157154163760	T	T	T
-6.3007652152049030	12.6923171237874310	7.6834409477319099	T	T	T
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3.1415000785374940	1.8137458253230103	2.5394499999999609	F	F	F
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1.5707500785374719	4.5343646313230481	2.5394499999999609	F	F	F
1.5667732822283817	2.7461618171554987	5.1500140623491308	T	T	T
1.5824894357239718	4.5678730424015912	7.8936166486246480	T	T	T
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6.2698809370416706	0.0059921732894564	5.0817805122324291	T	T	T
6.2772706551949522	1.8251937144625869	7.6847682661771977	T	T	T
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9.4261721441868058	1.8114660449668318	7.6681119356797005	T	T	T
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7.8581970739419207	2.7095677976252373	5.0785413360756122	T	T	T
7.8762139880483497	4.5138387413224788	7.6547655439993241	T	T	T
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  2.5333762932021546  9.0768994487730374  9.8057550884738127   T   T   T
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Selective dynamics
Cartesian
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 -1.5637950392115856  2.7244983698432823  5.0969797234867205   T   T   T
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 -3.1414999214624264  7.2549834373229904  2.5394499999999609   F   F   F
 -3.1382042135377493  5.4423857064211054  5.0982080665035188   T   T   T
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 -4.7122499214624476  9.9756022433230278  2.5394499999999609   F   F   F
 -4.7108990285385586  8.1605364162554874  5.0774439498874555   T   T   T
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Selective dynamics
Cartesian
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Cartesian
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  1.1669295592843838  6.9302828136331174 16.6315896734071629   T   T   T
 -0.0515507236702972  6.2375801393097143 17.2230917962486210   T   T   T
  5.4397888546916047  6.6072227742361854 17.8961760507549646   T   T   T
  5.1244731833734853  7.3172154111460532 16.5925966867805350   T   T   T
  4.4469536290611344  5.0240637949689342 16.4317888575451434   T   T   T
  5.5635868811500426  5.1429310469551810 17.4506716553419103   T   T   T
  3.3419882481598266  4.8193255423484178 12.9034858560885564   T   T   T
  1.4333203837203254  6.2366880103183480 15.3712221608869477   T   T   T
  4.3730381444270687  6.3418898224567775 15.8008796126375586   T   T   T
### POSCAR for INT41 ###
Mg Cl  C  H  O
 1.0000000000000000
    15.7074999999999996    0.0000000000000000    0.0000000000000000
    -7.8537499999999998   13.6030940299999994    0.0000000000000000
     0.0000000000000000    0.0000000000000000   35.1578000000000017
 101   2   8  16   2
Selective dynamics
Cartesian
  0.0000000000000000  0.0000000000000000  0.0000000000000000   F   F   F
  0.0000000785374505  1.8137458253230103  2.5394500034680880   F   F   F
 -7.8513116081671352 13.6010694748199743  5.0976094306775623   T   T   T
 -0.0024770781496886  1.7981546053883304  7.7042969224478846   T   T   T
 -1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
 -1.5707499214624598  4.5343646213230481  2.5394500034680880   F   F   F
 -1.5646132189318296  2.7216613968964798  5.0955651507243207   T   T   T
 -1.5795054869497096  4.5328365532770141  7.7053641516099782   T   T   T
 -3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
 -3.1414999214624264  7.2549834373229904  2.5394500034680880   F   F   F
 -3.1377122680703753  5.4403015907313774  5.0977051707291450   T   T   T
```

```
-3.14789943331354340  7.2552823726063753  7.6815852340648414   T   T   T
-4.7122500000000107   8.1618564180000188  0.0000000000000000   F   F   F
-4.7122499214624476   9.9756022433230278  2.5394500034680880   F   F   F
10.9958155695733559   8.1598323173511638  5.0778203519453857   T   T   T
-4.7102077258748194   9.9724698806518770  7.6729726126024627   T   T   T
-6.2829999999999773  10.8824752239999611  0.0000000000000000   F   F   F
-6.2829999214624142  12.6962210493229701  2.5394500034680880   F   F   F
 9.4247001924123843  10.8787418309505490  5.0782365805158429   T   T   T
-6.2838882627195405  12.6823295675095427  7.6828871479007432   T   T   T
 3.1415000000000437   0.0000000000000000  0.0000000000000000   F   F   F
 3.1415000785374940   1.8137458253230103  2.5394500034680880   F   F   F
-4.7111974362186650  13.5843938870130998  5.0772869163035077   T   T   T
 3.1420675588252571   1.7589249656261812  7.6370998277467192   T   T   T
 1.5707500000000219   2.7206188060000378  0.0000000000000000   F   F   F
 1.5707500785374719   4.5343646313230481  2.5394500034680880   F   F   F
 1.5723007158136839   2.7115048165848350  5.0894938547766770   T   T   T
 1.5011018774221605   4.4881916970381717  7.6892297403145680   T   T   T
 0.0000000000000551   5.4412376119999806  0.0000000000000000   F   F   F
 0.0000000785375054   7.2549834373229904  2.5394500034680880   F   F   F
-0.0033071610804747   5.4409460032841661  5.0877999539486050   T   T   T
-0.0412734876320728   7.2729876606792496  7.6324627890433954   T   T   T
-1.5707499999999670   8.1618564180000188  0.0000000000000000   F   F   F
-1.5707499214625162   9.9756022433230278  2.5394500034680880   F   F   F
-1.5811097953955109   8.1668688069115518  5.0779656007789695   T   T   T
-1.5740944154095722   9.9762344284480040  7.6828580321579629   T   T   T
-3.1414999999999336  10.8824752239999611  0.0000000000000000   F   F   F
-3.1414999214624828  12.6962210493229701  2.5394500034680880   F   F   F
-3.1395897739623959  10.8792751846528724  5.0775259182807053   T   T   T
-3.1369312152072659  12.6822669884101149  7.6822052743877798   T   T   T
 6.2829999999999773   0.0000000000000000  0.0000000000000000   F   F   F
 6.2830000785375404   1.8137458253230103  2.5394500034680880   F   F   F
-1.5707444226345952  13.6017404223927532  5.0987619250261389   T   T   T
 6.2878344702349267   1.7989205493969398  7.7059587738323430   T   T   T
 4.7122499999999556   2.7206188060000378  0.0000000000000000   F   F   F
 4.7122500785375179   4.5343646313230481  2.5394500034680880   F   F   F
 4.7125441424974115   2.7116825346855058  5.0898230856845750   T   T   T
 4.7797998275935392   4.4891279305717378  7.6925520862186110   T   T   T
 3.1414999999999886   5.4412376119999806  0.0000000000000000   F   F   F
 3.1415000785375513   7.2549834373229904  2.5394500034680880   F   F   F
 3.1414073170554002   5.4358032968993077  5.1429318669950890   T   T   T
 3.1410572486136914   7.3187017073129699  7.6807706047282762   T   T   T
 1.5707499999999666   8.1618564180000188  0.0000000000000000   F   F   F
 1.5707500785375297   9.9756022433230278  2.5394500034680880   F   F   F
 1.5664895766414206   8.1613423500937881  5.0856813078537932   T   T   T
 1.5660909797958427   9.9743906168826424  7.7040263452825410   T   T   T
 0.0000000000000000  10.8824752239999611  0.0000000000000000   F   F   F
 0.0000000785375631  12.6962210493229701  2.5394500034680880   F   F   F
 0.0029649568922183  10.8765076992357599  5.0989553427847474   T   T   T
 0.0043889317395900  12.6902766818847663  7.6919626394199883   T   T   T
 9.4245000000000214   0.0000000000000000  0.0000000000000000   F   F   F
 9.4245000785374717   1.8137458253230103  2.5394500034680880   F   F   F
 1.5733036313875841  13.6020484662536330  5.0874115667253568   T   T   T
 9.4242002111485093   1.8115744722334242  7.6780727388890631   T   T   T
 7.8537499999999998   2.7206188060000378  0.0000000000000000   F   F   F
 7.8537500785374501   4.5343646313230481  2.5394500034680880   F   F   F
 7.8499590998230016   2.7213160550178772  5.0962186615820197   T   T   T
 7.8633862765408473   4.5327847605244962  7.7060224415168443   T   T   T
 6.2830000000000332   5.4412376119999806  0.0000000000000000   F   F   F
 6.2830000785374835   7.2549834373229904  2.5394500034680880   F   F   F
 6.2861394320852728   5.4401365855159680  5.0891495710653611   T   T   T
 6.3229198246052789   7.2721293916996519  7.6345531555038013   T   T   T
 4.7122500000000107   8.1618564180000188  0.0000000000000000   F   F   F
 4.7122500785374619   9.9756022433230278  2.5394500034680880   F   F   F
 4.7166246429179468   8.1603954629051589  5.0865183767555004   T   T   T
 4.7189929116637677   9.9733347561107291  7.7022681135640223   T   T   T
 3.1415000000000441  10.8824752239999611  0.0000000000000000   F   F   F
 3.1415000785374954  12.6962210493229701  2.5394500034680880   F   F   F
 3.1421179468002416  10.8723408784007933  5.0965966714473128   T   T   T
 3.1431722447064487  12.6869159872577608  7.6807122162281987   T   T   T
12.5659999999999545   0.0000000000000000  0.0000000000000000   F   F   F
12.5660000785375168   1.8137458253230103  2.5394500034680880   F   F   F
 4.7128089989193640  13.6007074262180829  5.0876372387846818   T   T   T
12.5686337155028269   1.8106549095580584  7.6780219029131658   T   T   T
10.9952499999999329   2.7206188060000378  0.0000000000000000   F   F   F
10.9952500785374951   4.5343646313230481  2.5394500034680880   F   F   F
10.9957689935612262   2.7192216893456385  5.0867779909948858   T   T   T
10.9964331492662950   4.5315875699133636  7.6898608189346671   T   T   T
 9.4244999999999663   5.4412376119999806  0.0000000000000000   F   F   F
 9.4245000785375286   7.2549834373229904  2.5394500034680880   F   F   F
 9.4217910646065839   5.4406875801319199  5.0984911152001358   T   T   T
 9.4335330723677480   7.2553273200129054  7.6821776673167577   T   T   T
 7.8537499999999438   8.1618564180000188  0.0000000000000000   F   F   F
 7.8537500785375070   9.9756022433230278  2.5394500034680880   F   F   F
 7.8643698226606951   8.1656409730719144  5.0779259120446287   T   T   T
 7.8600270609046232   9.9757313457668424  7.6838952885051848   T   T   T
 6.2829999999999773  10.8824752239999611  0.0000000000000000   F   F   F
 6.2830000785375404  12.6962210493229701  2.5394500034680880   F   F   F
 6.2822960663194136  10.8756448599776334  5.0983012882632419   T   T   T
 6.2827791359749581  12.6893164050023390  7.6924880067667827   T   T   T
 3.2077189528223577   7.7994737761814754  13.6952063706702418   T   T   T
 3.1380146875394241   5.4214606470115116  9.5012116991418196   T   T   T
 3.2699711014031054  10.1083131969572833  13.7618609075599956   T   T   T
 0.0921149329598561   6.3382022646340621  16.4251622666600619   T   T   T
 0.9758869981178622   6.1014495832186135  15.2119065480276117   T   T   T
 1.1006636708703796   8.4032344383115252  15.8684372698583598   T   T   T
-0.2255015509831830   7.8310374280983011  16.3207098713131451   T   T   T
 6.0115113984014972   8.0884287917289264  16.8729963563551948   T   T   T
 5.7846556608299800   8.1882408861234808  15.3789643981225659   T   T   T
 4.3944344485854252   6.4551626861143898  16.2735027981413012   T   T   T
 5.6124691174594625   6.6395719725160349  17.1610786843737344   T   T   T
 0.6461255336226812   6.1292283751580010  17.3543164363616533   T   T   T
-0.8022678524828724   5.7007280131509761  16.4073409043197285   T   T   T
 0.3903324918149447   5.8522288610741171  14.3125239893152312   T   T   T
 1.7450229626615124   5.3319311946294583  15.3748439483471540   T   T   T
 1.0439481414566334   9.3401859297351209  15.2996466883644313   T   T   T
 1.8033804081856006   8.5338545475631502  16.7104360495887221   T   T   T
-1.0024610277661408   8.0130467912772758  15.5614412091472900   T   T   T
-0.5583534826897596   8.2670853159125208  17.2722368630849772   T   T   T
 5.3506234846467526   8.7882167072013715  17.4091413590620832   T   T   T
 7.0517160611796417   8.3104988785102147  17.1476276102743910   T   T   T
 6.6314615078783028   7.7762405318804992  14.8042964343406034   T   T   T
 5.5358708600710234   9.1959081607433806  15.0167634896237487   T   T   T
 4.2717366271013351   5.4294199407161701  15.8957351632297268   T   T   T
 3.4675254326248641   6.7748711504789254  16.7778854367158026   T   T   T
 6.4187320584016856   5.9511066357098512  16.8630390606403893   T   T   T
 5.3741915753884335   6.4569579942234343  18.2176280745541384   T   T   T
 1.6516678155146334   7.3826231770974218  14.9669745185318490   T   T   T
 4.6120057913922778   7.3393008721633795  15.1247344206822465   T   T   T
### POSCAR for TS41-42 ###
Mg Cl  C  H  O
 1.0000000000000000
    15.7074999999999996    0.0000000000000000    0.0000000000000000
    -7.8537499999999998   13.6030940299999994    0.0000000000000000
     0.0000000000000000    0.0000000000000000   35.1578000000000017
 101   2   8  16   2
Selective dynamics
Cartesian
  0.0000000000000000  0.0000000000000000  0.0000000000000000   F   F   F
  0.0000000785374505  1.8137458253230103  2.5394499999999609   F   F   F
  0.0069478631895675  0.0014519261973391  5.0971237394673583   T   T   T
  0.0117160408276682  1.8167845140736258  7.6931158304165264   T   T   T
 -1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
 -1.5707499214624598  4.5343646313230481  2.5394499999999609   F   F   F
 -1.5627936668029274  2.7294422629480768  5.0924487769969771   T   T   T
 -1.5411445205936480  4.5484574359100440  7.6983293895230780   T   T   T
 -3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
 -3.1414999214624264  7.2549834373229904  2.5394499999999609   F   F   F
 -3.1305022643653479  5.4391226584134067  5.0926145377821124   T   T   T
 -3.1163527394249551  7.2559403679807417  7.6771387467186152   T   T   T
 -4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
 -4.7122499214624476  9.9756022433230278  2.5394499999999609   F   F   F
 -4.7059768203126948  8.1532087706743201  5.0886236465678313   T   T   T
 -4.7029092236027408  9.9667650519570898  7.6845313787324177   T   T   T
 -6.2829999999999773 10.8824752239999611  0.0000000000000000   F   F   F
 -6.2829999214624142 12.6962210493229701  2.5394499999999609   F   F   F
  9.4277891869891306 10.8740587114046559  5.0910897967454511   T   T   T
 -6.2815903596731708 12.6785293001953843  7.6819548088953029   T   T   T
  3.1415000000000437  0.0000000000000000  0.0000000000000000   F   F   F
  3.1415000785374940  1.8137458253230103  2.5394499999999609   F   F   F
 -4.7071464525162243 13.5775536670523316  5.0709546453126046   T   T   T
  3.1496904448434409  1.7467086039355729  7.6189366730547885   T   T   T
  1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
  1.5707500785374719  4.5343646313230481  2.5394499999999609   F   F   F
  1.5679198494690505  2.7126376651356954  5.1040127959319443   T   T   T
  1.5770686037657984  4.5457457805810728  7.7651700191114594   T   T   T
  0.0000000000000551  5.4412376119999806  0.0000000000000000   F   F   F
  0.0000000785375054  7.2549834373229904  2.5394499999999609   F   F   F
  0.0214943776793142  5.4511305822456393  5.0996826086277922   T   T   T
  0.0612576085255387  7.2621543236872856  7.6716952639562592   T   T   T
 -1.5707499999999670  8.1618564180000188  0.0000000000000000   F   F   F
 -1.5707499214625162  9.9756022433230278  2.5394499999999609   F   F   F
 -1.5709231304788145  8.1596479788481524  5.0893221868557745   T   T   T
 -1.5439685877455753  9.9662004449099637  7.6980872837442034   T   T   T
 -3.1414999999999336 10.8824752239999611  0.0000000000000000   F   F   F
 -3.1414999214624828 12.6962210493229701  2.5394499999999609   F   F   F
 -3.1328412122083598 10.8731530969058774  5.0931992273507722   T   T   T
 -3.1267595774402812 12.6778790224736362  7.6835153908221168   T   T   T
  6.2829999999999773  0.0000000000000000  0.0000000000000000   F   F   F
  6.2830000785375404  1.8137458253230103  2.5394499999999609   F   F   F
  6.2846599421775258  0.0008202146882559  5.0966089310594107   T   T   T
  6.2871084383345330  1.8158198228620339  7.6892490401493605   T   T   T
  4.7122499999999556  2.7206188060000378  0.0000000000000000   F   F   F
  4.7122500785375179  4.5343646313230481  2.5394499999999609   F   F   F
  4.7227733030943480  2.7144157093143795  5.1051688840187395   T   T   T
  4.7338347412607238  4.5520518225017970  7.7795106185057046   T   T   T
  3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
  3.1415000785375513  7.2549834373229904  2.5394499999999609   F   F   F
  3.1449938715478614  5.3711234181208667  5.0545977894570582   T   T   T
  3.1592532114617704  7.2690612353447941  7.2374690781249402   T   T   T
  1.5707499999999666  8.1618564180000188  0.0000000000000000   F   F   F
  1.5707500785375297  9.9756022433230278  2.5394499999999609   F   F   F
  1.5270864372204471  8.2064477852996216  5.0081976684903236   T   T   T
  1.5680012447637592  9.9739554376998125  7.7809291567919212   T   T   T
  0.0000000000000000 10.8824752239999611  0.0000000000000000   F   F   F
  0.0000000785375631 12.6962210493229701  2.5394499999999609   F   F   F
 -0.0005302701061121 10.8982080293143113  5.0910832239644677   T   T   T
  0.0163292095408041 12.7031315153610844  7.6800659443844221   T   T   T
  9.4245000000000214  0.0000000000000000  0.0000000000000000   F   F   F
  9.4245000785374717  1.8137458253230103  2.5394499999999609   F   F   F
  9.4213706900352392  0.0136454834120823  5.0693359271422738   T   T   T
  9.4233069866371046  1.8388364211548263  7.6815967268470517   T   T   T
  7.8537499999999998  2.7206188060000378  0.0000000000000000   F   F   F
  7.8537500785374501  4.5343646313230481  2.5394499999999609   F   F   F
  7.8547195671245866  2.7271945464478717  5.0901698497299623   T   T   T
  7.8446302693345178  4.5471201995984822  7.6894032587926295   T   T   T
  6.2830000000000332  5.4412376119999806  0.0000000000000000   F   F   F
  6.2830000785374835  7.2549834373229904  2.5394499999999609   F   F   F
  6.2689955063642664  5.4486346652916247  5.0956779540464057   T   T   T
  6.2543590708605592  7.2679517858698786  7.6462912514068320   T   T   T
  4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
  4.7122500785374619  9.9756022433230278  2.5394499999999609   F   F   F
  4.7667697623899246  8.2093190643599065  5.0044723283066910   T   T   T
  4.7322295181937459  9.9714772934906737  7.7902287225225679   T   T   T
  3.1415000000000441 10.8824752239999611  0.0000000000000000   F   F   F
  3.1415000785374954 12.6962210493229701  2.5394499999999609   F   F   F
  3.1461254686325510 10.8639534761422318  5.1722059654908250   T   T   T
  3.1494651479526139 12.7689178973390209  7.6216545705510690   T   T   T
 12.5659999999999545  0.0000000000000000  0.0000000000000000   F   F   F
 12.5660000785374049  1.8137458253230103  2.5394499999999609   F   F   F
 12.5775406492965916  0.0146713853649259  5.0689030180773234   T   T   T
 12.5820248624348068  1.8399985093936413  7.6823878408845614   T   T   T
 10.9952499999998210  2.7206188060000378  0.0000000000000000   F   F   F
 10.9952500785374951  4.5343646313230481  2.5394499999999609   F   F   F
 10.9992938350782374  2.7185868326510851  5.0833260829100348   T   T   T
 11.0041279564787313  4.5462005135132966  7.6822394320660319   T   T   T
  9.4244999999999663  5.4412376119999806  0.0000000000000000   F   F   F
  9.4245000785375286  7.2549834373229904  2.5394499999999609   F   F   F
  9.4228132806383549  5.4396215706602815  5.0914553381253960   T   T   T
  9.4190064958361948  7.2580224532123783  7.6751593623793335   T   T   T
  7.8537499999999438  8.1618564180000188  0.0000000000000000   F   F   F
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  7.8537500785375070  9.9756022433230278  2.5394499999999609   F   F   F
  7.8679195662029882  8.1609555630513562  5.0816721217169940   T   T   T
  7.8463676872670165  9.9703596784849449  7.6918403609911250   T   T   T
  6.2829999999999773 10.8824752239999611  0.0000000000000000   F   F   F
  6.2830000785375404 12.6962210493229701  2.5394499999999609   F   F   F
  6.2926856648632326 10.8997808805602467  5.0904621918468020   T   T   T
  6.2801972079447532 12.7025556102185693  7.6795990656741200   T   T   T
  3.0034824234655417  7.2310319114204278 10.1298348869639288   T   T   T
  3.1767769864886262  4.6350631956975423  9.9035476986311259   T   T   T
  3.1270294085405697  9.7921667137272070  9.9521176841409389   T   T   T
 -0.5912938325078807  6.3746022702606115 12.4353211110110742   T   T   T
  0.6443627400808354  5.9180694397892530 11.6876398173028235   T   T   T
  0.4006042117400277  8.2945968852221554 11.4480544024254538   T   T   T
 -0.9532162098804284  7.6675893952679157 11.7048117599224302   T   T   T
  6.4544234986877678  7.7024216501254505 12.7351510644583694   T   T   T
  5.7814420094296288  7.8966389437880791 11.3915456020154249   T   T   T
  4.4737600491355991  6.3909915941809121 12.7247432331105443   T   T   T
  5.9234438110674859  6.3343486951786376 13.1695600767573904   T   T   T
 -0.3570231453699848  6.5762341397627733 13.4925580715324411   T   T   T
 -1.3879762512182083  5.6187515299834754 12.3922251264696630   T   T   T
  0.3871452762393313  5.3543062992680852 10.7720182522057737   T   T   T
  1.3562787140965678  5.3365972910141632 12.2894553954352954   T   T   T
  0.4355563435758025  8.8982451109178697 10.5249143601399986   T   T   T
  0.7672807263721859  8.8942203841745968 12.2963101110382578   T   T   T
 -1.4513391177729851  7.4428951688159275 10.7431956393104375   T   T   T
 -1.6061669829949601  8.3308092839496943 12.2884775381410201   T   T   T
  6.1400871145700764  8.4858598140756669 13.4431441263478924   T   T   T
  7.5493654379298905  7.7312008259426754 12.6467104593783830   T   T   T
  6.3380208198895529  7.3997852259558163 10.5732642342286294   T   T   T
  5.5935300016955072  8.9440326339112382 11.1153917873112640   T   T   T
  4.0529444070900738  5.4139778422902713 12.4445781836922738   T   T   T
  3.8242066034105759  6.8808117625023275 13.4692179877627591   T   T   T
  6.4568841991424728  5.5286751610116465 12.6403067567249394   T   T   T
  6.0115192329822467  6.1601847524315136 14.2506622687682061   T   T   T
  1.3212726516059039  7.1579973102386028 11.2753497924545147   T   T   T
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Mg Cl  C  H  O
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     0.0000000000000000    0.0000000000000000   35.1578000000000017
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Selective dynamics
Cartesian
  0.0000000000000000  0.0000000000000000  0.0000000000000000   F   F   F
  0.0000000785374505  1.8137458213230107  2.5394500034680880   F   F   F
 15.7066726214330039  0.0001840860057944  5.0884174890223273   T   T   T
  0.0004574758345424  1.8136969220458903  7.6874559312833561   T   T   T
 -1.5707500000000219  2.7206188000000382  0.0000000000000000   F   F   F
 -1.5707499214625715  4.5343646213230482  2.5394500034680880   F   F   F
 -1.5706340479545229  2.7213304795033366  5.0906203279732436   T   T   T
 -1.5700869326299429  4.5349543457176607  7.6918327619139948   T   T   T
 -3.1414999999999886  5.4412375999999805  0.0000000000000000   F   F   F
 -3.1414999214624264  7.2549834213229909  2.5394500034680880   F   F   F
 -3.1405584297170290  5.4408865440888023  5.0900820474518813   T   T   T
 -3.1412618462917057  7.2557336358336411  7.6845140579535212   T   T   T
 -4.7122500000000107  8.1618564000000191  0.0000000000000000   F   F   F
 -4.7122499214624476  9.9756022213230295  2.5394500034680880   F   F   F
 10.9948862393451776  8.1611181310440006  5.0872868603477484   T   T   T
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 -6.2829999214624710 12.6962210213230691  2.5394500034680880   F   F   F
  9.4240952552853265 10.8823035024501902  5.0861714175162716   T   T   T
 -6.2829244913800419 12.6957199181214104  7.6826084309075258   T   T   T
  3.1415000000000437  0.0000000000000000  0.0000000000000000   F   F   F
  3.1415000785374940  1.8137458213230107  2.5394500034680880   F   F   F
  3.1424376719196623  0.0007860049327373  5.0884397465709519   T   T   T
  3.1408910744044718  1.8133626639693845  7.6890503023843957   T   T   T
  1.5707500000000219  2.7206188000000382  0.0000000000000000   F   F   F
  1.5707500785374719  4.5343646213230482  2.5394500034680880   F   F   F
  1.5711277221820057  2.7203953732228041  5.0885408141691597   T   T   T
  1.5703075612411110  4.5347632347500380  7.6886204947952539   T   T   T
  0.0000000000000551  5.4412375999999805  0.0000000000000000   F   F   F
  0.0000000785375054  7.2549834213229909  2.5394500034680880   F   F   F
  0.0001948879963960  5.4410699922474475  5.0895414059885393   T   T   T
 -0.0001513878026946  7.2551788077775479  7.6825978023064518   T   T   T
 -1.5707499999999670  8.1618564000000191  0.0000000000000000   F   F   F
 -1.5707499214625162  9.9756022213230295  2.5394500034680880   F   F   F
 -1.5710869822732225  8.1624583875845733  5.0866830879784626   T   T   T
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 -3.1414999214625388 12.6962210213230691  2.5394500034680880   F   F   F
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  6.2830000785375404  1.8137458213230107  2.5394500034680880   F   F   F
  6.2843646858410640  0.0007928419847513  5.0899230075961279   T   T   T
  6.2828968995352694  1.8140365242682674  7.6895619670837894   T   T   T
  4.7122499999999556  2.7206188000000382  0.0000000000000000   F   F   F
  4.7122500785375179  4.5343646213230482  2.5394500034680880   F   F   F
  4.7125480796085855  2.7223902454689117  5.0931168652948084   T   T   T
  4.7121272384793809  4.5349376951059259  7.7021252455514757   T   T   T
  3.1414999999999886  5.4412375999999805  0.0000000000000000   F   F   F
  3.1415000785375513  7.2549834213229909  2.5394500034680880   F   F   F
  3.1426096640028987  5.4416631947426382  5.0937641025516776   T   T   T
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  1.5707499999999666  8.1618564000000191  0.0000000000000000   F   F   F
  1.5707500785375297  9.9756022213230295  2.5394500034680880   F   F   F
  1.5717762561091160  8.1631474878486188  5.0920022001562026   T   T   T
  1.5704069966411121  9.9755029659042016  7.7007006633365132   T   T   T
  0.0000000000000000 10.8824751999999609  0.0000000000000000   F   F   F
  0.0000000785375072 12.6962210213230691  2.5394500034680880   F   F   F
  0.0016196391076368 10.8819350409748044  5.0923374295314279   T   T   T
  0.0002395022468722 12.6960137819293823  7.6892186980761545   T   T   T
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  9.4245000785374717  1.8137458213230107  2.5394500034680880   F   F   F
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  7.8537499999999998  2.7206188000000382  0.0000000000000000   F   F   F
  7.8537500785374501  4.5343646213230482  2.5394500034680880   F   F   F
  7.8534651012781769  2.7208043251584240  5.0900438830414467   T   T   T
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  6.2819546250971658  5.4407789189591949  5.0932047146263812   T   T   T
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  4.7122500000000107  8.1618564000000191  0.0000000000000000   F   F   F
  4.7122500785374619  9.9756022213230295  2.5394500034680880   F   F   F
  4.7128906730528497  8.1624698865445140  5.0906515612240950   T   T   T
  4.7132064423122015  9.9757760347965103  7.6946758649566345   T   T   T
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  3.1415000785374394 12.6962210213230691  2.5394500034680880   F   F   F
  3.1409606359644258 10.8817310297328476  5.0940981856675762   T   T   T
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 12.5660000785375168  1.8137458213230107  2.5394500034680880   F   F   F
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 10.9954864531946086  2.7206194246770972  5.0892599498830862   T   T   T
 10.9960184455300212  4.5345558478044241  7.6867593207571847   T   T   T
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  9.4245000785375286  7.2549834213229909  2.5394500034680880   F   F   F
  9.4241110162372035  5.4400208031533372  5.0894315904242182   T   T   T
  9.4246758995918540  7.2548669799411716  7.6839449899436953   T   T   T
  7.8537499999999438  8.1618564000000191  0.0000000000000000   F   F   F
  7.8537500785375070  9.9756022213230295  2.5394500034680880   F   F   F
  7.8532122701598368  8.1607075766621406  5.0886104668621748   T   T   T
  7.8543249224982947  9.9757674180886919  7.6836867027137998   T   T   T
  6.2829999999999773 10.8824751999999609  0.0000000000000000   F   F   F
  6.2830000785374844 12.6962210213230691  2.5394500034680880   F   F   F
  6.2817604803303064 10.8823546703395344  5.0896578255115745   T   T   T
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  3.1704227009012000  5.0352305171117031 13.1977072896169112   T   T   T
  3.2324878078270345  9.1470075209881685 13.2231183192488668   T   T   T
 -0.1087277465308367  6.3494661299563830 16.9387842773683701   T   T   T
  0.9531651263215983  5.8460097654504946 15.9750243844146436   T   T   T
  0.9591379861495737  8.2448583056902134 16.0061053974649887   T   T   T
 -0.4169536445844066  7.7494376875414872 16.4013560913057574   T   T   T
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  5.6622915385572252  8.1031054884797697 15.8581564497541514   T   T   T
  4.7566151919445865  6.0055154330195304 16.5911597294998181   T   T   T
  6.0786229662409799  6.2527076843960341 17.2916518583725356   T   T   T
  0.2950009821767656  6.4134365267699378 17.9619919154362009   T   T   T
 -0.9867453570163116  5.6897392689178163 16.9550647228044298   T   T   T
  0.5279342383948054  5.3423115238158188 15.0931612383798495   T   T   T
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  0.9740054295043254  8.9910472719349919 15.1994250086887721   T   T   T
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  7.2132411909535223  8.1428831659797236 17.3886885252325740   T   T   T
  6.4455865394568530  8.0254309786335210 15.0864959855143717   T   T   T
  5.1607262161644121  9.0770646792760132 15.7719307605874697   T   T   T
  4.6874509789586583  5.0435642120706135 16.0627575588550933   T   T   T
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  6.9039796373655014  5.7881253243374209 16.7298125494298375   T   T   T
  6.0819609075195995  5.8499053062259714 18.3135867972730928   T   T   T
  1.6448976629154179  7.0521626900226151 15.5041696610676212   T   T   T
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### POSCAR for INT43 ###
Mg  H  C
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     0.0000000000000000    0.0000000000000000   35.1578000000000017
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Selective dynamics
Cartesian
  0.0000000000000000  0.0000000000000000  0.0000000000000000   F   F   F
  0.0000000785374505  1.8137458253230103  2.5394499999999609   F   F   F
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  0.0055332532335686  1.8129287489398613  7.6882015622423650   T   T   T
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 -1.5707499214624598  4.5343646313230481  2.5394499999999609   F   F   F
 -1.5699821774829599  2.7220169761818265  5.0933318031158379   T   T   T
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 -3.1313866144083433  5.4468231467209236  5.0733463469039304   T   T   T
 -3.1496791136625308  7.2590520244310790  7.6880899145324291   T   T   T
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 -4.7122499214624476  9.9756022433230278  2.5394499999999609   F   F   F
 -4.7088403345720060  8.1710010459712255  5.0805437405464664   T   T   T
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 -6.2829999214624142 12.6962210493229701  2.5394499999999609   F   F   F
  9.4195937316309966 10.8783753119868543  5.0994423893559055   T   T   T
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  3.1554544364629225  1.8534161278142662  7.6835797537989929   T   T   T
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  1.5707500785374719  4.5343646313230481  2.5394499999999609   F   F   F
  1.5658039902406169  2.7152627015244191  5.0811620413342684   T   T   T
  1.5497565209706101  4.5309411212419377  7.6405697334272347   T   T   T
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 -0.0053167323521093  5.4475083840750633  5.0795465357593939   T   T   T
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 -1.5703123423364436  8.1690455728577653  5.0938891634267804   T   T   T
 -1.5729843415167197  9.9809042530593626  7.6930502980552387   T   T   T
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 -3.1458772191878399 10.8881595401477522  5.0992187103492084   T   T   T
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  6.2829999999999773  0.0000000000000000  0.0000000000000000   F   F   F
  6.2830000785375404  1.8137458253230103  2.5394499999999609   F   F   F
 -1.5750686588503173 13.6011265437863909  5.0825408031265624   T   T   T
  6.2844749911718099  1.8362292935086935  7.6278018963111363   T   T   T
  4.7122499999999556  2.7206188060000378  0.0000000000000000   F   F   F
  4.7122500785375179  4.5343646313230481  2.5394499999999609   F   F   F
  4.7114312010439967  2.7301337395886622  5.0851045986538681   T   T   T
  4.7257664702790665  4.6306305651540631  7.7220444770257144   T   T   T
  3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
  3.1415000785375513  7.2549834373229904  2.5394499999999609   F   F   F
  3.1448981410286865  5.4438964669154126  5.1048963433737367   T   T   T
  3.1207299137378479  7.2674620198919611  7.6190004379994720   T   T   T
  1.5707499999999666  8.1618564180000188  0.0000000000000000   F   F   F
  1.5707500785375297  9.9756022433230278  2.5394499999999609   F   F   F
  1.5534989107570221  8.1734593560278856  5.0643332898165836   T   T   T
  1.5733055085414982  9.9732950876020752  7.6864426322744608   T   T   T
  0.0000000000000000 10.8824752239999611  0.0000000000000000   F   F   F
  0.0000000785375631 12.6962210493229701  2.5394499999999609   F   F   F
 -0.0038309077165000 10.8830673503628788  5.0945766242461774   T   T   T
 -0.0050655964508746 12.7085643590117030  7.6885769629291865   T   T   T
  9.4245000000000214  0.0000000000000000  0.0000000000000000   F   F   F
  9.4245000785374717  1.8137458253230103  2.5394499999999609   F   F   F
  1.5728431868141550 13.5953121135518309  5.0742975572843694   T   T   T
  9.4375236270741745  1.7997229663851690  7.6384975397571679   T   T   T
  7.8537499999999998  2.7206188060000378  0.0000000000000000   F   F   F
  7.8537500785374501  4.5343646313230481  2.5394499999999609   F   F   F
  7.8669453704196410  2.7035035140414059  5.0597968386216117   T   T   T
  7.9155389707756791  4.5100366670755720  7.5852616706630975   T   T   T
  6.2830000000000332  5.4412376119999806  0.0000000000000000   F   F   F
  6.2830000785374835  7.2549834373229904  2.5394499999999609   F   F   F
  6.2899772976036079  5.4389432713071164  5.1093757079203455   T   T   T
  6.2116263387938968  7.2032917153562286  7.7125974954241494   T   T   T
  4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
  4.7122500785374619  9.9756022433230278  2.5394499999999609   F   F   F
  4.7121640693144853  8.1590656515770554  5.1040810065183280   T   T   T
  4.7068894311075207  9.9961809218415585  7.6441563442708684   T   T   T
  3.1415000000000441 10.8824752239999611  0.0000000000000000   F   F   F
  3.1415000785374954 12.6962210493229701  2.5394499999999609   F   F   F
  3.1351837194033880 10.8860011054799042  5.0808576687780729   T   T   T
  3.1370298804596954 12.6992674407170245  7.6860218153990392   T   T   T
 12.5659999999999545  0.0000000000000000  0.0000000000000000   F   F   F
 12.5660000785375168  1.8137458253230103  2.5394499999999609   F   F   F
 12.5662595315103669  0.0009008563828726  5.0934319650527433   T   T   T
 12.5660925365692613  1.8161101582516961  7.6966143781644849   T   T   T
 10.9952499999999329  2.7206188060000378  0.0000000000000000   F   F   F
 10.9952500785374951  4.5343646313230481  2.5394499999999609   F   F   F
 11.0031934728071672  2.7180575586139657  5.0727778564983383   T   T   T
 11.0195986103214114  4.5371920871012801  7.6360176431190832   T   T   T
  9.4244999999999663  5.4412376119999806  0.0000000000000000   F   F   F
  9.4245000785375286  7.2549834373229904  2.5394499999999609   F   F   F
  9.4487398897879320  5.4423872357472955  5.0576556921728750   T   T   T
  9.4141964660912283  7.2528733953978826  7.6202441706358881   T   T   T
  7.8537499999999438  8.1618564180000188  0.0000000000000000   F   F   F
  7.8537500785375070  9.9756022433230278  2.5394499999999609   F   F   F
  7.8477831762237891  8.1612924663210062  5.0811630098401954   T   T   T
  7.8300664153961037  9.9482674159359092  7.6840978822742754   T   T   T
  6.2829999999999773 10.8824752239999611  0.0000000000000000   F   F   F
  6.2830000785375404 12.6962210493229701  2.5394499999999609   F   F   F
  6.2862253887898900 10.8902961659346520  5.0822472947023289   T   T   T
  6.2879672108949221 12.6947326353307339  7.6882333613286589   T   T   T
  6.1552161213399028  2.4932191477219190 10.7074039343100456   T   T   T
  8.6559623024683034  2.4450207176691476 10.8420742123591527   T   T   T
  9.9619440681549740  4.5516843326783416 10.8139151858703588   T   T   T
  8.8046756285023768  6.7669093273439245 10.6549741433183343   T   T   T
  6.2154599129715944  7.9773166123104691 10.2070809844311832   T   T   T
  3.8192930180998088  6.8899175470407146  9.6727217883833845   T   T   T
  3.9158384227287097  4.2705235542157380 10.2386720688911890   T   T   T
  5.1638211721650809  7.6724557486465814 12.6093965957785823   T   T   T
  3.7436432702245410  5.3799473161924283 12.6326252042440377   T   T   T
  6.7272043188831860  3.4258708570336642 10.6905814430518173   T   T   T
  8.1352066971003332  3.4038437804457864 10.7739028389047498   T   T   T
  8.8707972686972223  4.5899627092252340 10.7575457613049785   T   T   T
  8.2234832605956729  5.8397405294890650 10.6593078040934888   T   T   T
  6.8393932563616300  5.8568313698293331 10.5679182111085517   T   T   T
  6.0952587188845975  4.6562423597340157 10.5816484396095536   T   T   T
  5.8179130946007129  6.9866578784663442 10.4852879673390280   T   T   T
  4.6283936852414644  5.0687070608172808 10.5041610176568749   T   T   T
  4.7594453750830805  6.3061468865831820  9.5224902193073646   T   T   T
  5.0494782721465388  6.9376806660518637 11.8131575276085616   T   T   T
  4.3429939934126782  5.7977739647254491 11.8244162833428099   T   T   T
### POSCAR for TS43-44 ###
Mg  H  C
 1.0000000000000000
    15.7074999999999996    0.0000000000000000    0.0000000000000000
    -7.8537499999999998   13.6030940299999994    0.0000000000000000
     0.0000000000000000    0.0000000000000000   35.1578000000000017
 100   9  11
Selective dynamics
Cartesian
  0.0000000000000000  0.0000000000000000  0.0000000000000000   F   F   F
  0.0000000785374474  1.8137458253230103  2.5394500034680880   F   F   F
 15.7018448521172935  0.0014864753044013  5.0808367026924977   T   T   T
 -0.0041211555911718  1.7998798994227307  7.6789871072978180   T   T   T
 -1.5707500000000227  2.7206188060000391  0.0000000000000000   F   F   F
 -1.5707499214624598  4.5343646313230481  2.5394500034680880   F   F   F
 14.1347992604165391  2.7198122997871543  5.0788369507155622   T   T   T
 -1.5889641224624214  4.5058930112922626  7.6742841805879891   T   T   T
 -3.1414999999999771  5.4412376119999823  0.0000000000000000   F   F   F
 -3.1414999214624273  7.2549834373229913  2.5394500034680880   F   F   F
 12.5644087803858060  5.4378600457447064  5.0790931944103797   T   T   T
 -3.1523373510273833  7.2552979650873342  7.6736906884127691   T   T   T
 -4.7122499999999858  8.1618564180000188  0.0000000000000000   F   F   F
 -4.7122499214624201  9.9756022433230278  2.5394500034680880   F   F   F
 10.9889115681081879  8.1648624614300864  5.0804651563846006   T   T   T
 -4.7174945169234768  9.9903709133684888  7.6724607846745227   T   T   T
 -6.2829999999999551 10.8824752239999647  0.0000000000000000   F   F   F
 -6.2829999214623866 12.6962210493229701  2.5394500034680880   F   F   F
  9.4153742415600377 10.8799937635250412  5.0884609048359133   T   T   T
 -6.2917607071482973 12.6962952659355484  7.6801771663050244   T   T   T
  3.1415000000000437  0.0000000000000000  0.0000000000000000   F   F   F
  3.1415000785374940  1.8137458253230103  2.5394500034680880   F   F   F
  3.1303715898775897  0.0007539788363311  5.0776712192949871   T   T   T
  3.1339385929541468  1.8184360861378006  7.6744782469662622   T   T   T
  1.5707500000000210  2.7206188060000391  0.0000000000000000   F   F   F
  1.5707500785374719  4.5343646313230481  2.5394500034680880   F   F   F
  1.5688856905517237  2.7238641277685720  5.0806924799172730   T   T   T
  1.5231339848264169  4.5053587829203314  7.6617079739670082   T   T   T
  0.0000000000000560  5.4412376119999823  0.0000000000000000   F   F   F
  0.0000000785375063  7.2549834373229913  2.5394500034680880   F   F   F
 -0.0144649657178162  5.4460584093234887  5.0797973973729862   T   T   T
 -0.1553768038969894  7.2588647238930939  7.6776544287851651   T   T   T
 -1.5707499999999559  8.1618564180000188  0.0000000000000000   F   F   F
 -1.5707499214624905  9.9756022433230278  2.5394500034680880   F   F   F
 -1.5882435375450270  8.1714847263601396  5.0735489947007570   T   T   T
 -1.6090350898414298 10.0005679022637892  7.6649098968170160   T   T   T
 -3.1414999999999251 10.8824752239999647  0.0000000000000000   F   F   F
 -3.1414999214624828 12.6962210493229701  2.5394500034680880   F   F   F
 -3.1570855319050346 10.8903257687390909  5.0748437422190058   T   T   T
 -3.1610936614383620 12.7088558514187362  7.6679790902383829   T   T   T
  6.2829999999999666  0.0000000000000000  0.0000000000000000   F   F   F
  6.2830000785375386  1.8137458253230103  2.5394500034680880   F   F   F
 -1.5808906746158780 13.6018735927884933  5.0735202355725502   T   T   T
  6.2765134979099670  1.8016291894817280  7.6775516225172717   T   T   T
  4.7122499999999539  2.7206188060000391  0.0000000000000000   F   F   F
  4.7122500785375161  4.5343646313230481  2.5394500034680880   F   F   F
  4.7095306789601601  2.6960786870931330  5.0512749987814933   T   T   T
  4.7398632480247525  4.4624284891378991  7.5613570049493308   T   T   T
  3.1414999999999877  5.4412376119999823  0.0000000000000000   F   F   F
  3.1415000785375486  7.2549834373229913  2.5394500034680880   F   F   F
  3.1333275517192591  5.4628230606276844  5.1428785061654665   T   T   T
  2.7235818438980628  7.3184792479985710  7.8676801260539921   T   T   T
  1.5707499999999666  8.1618564180000188  0.0000000000000000   F   F   F
  1.5707500785375297  9.9756022433230278  2.5394500034680880   F   F   F
  1.5467271727712166  8.1774773241668104  5.0996005274064711   T   T   T
  1.4969944492115896 10.0511109651823833  7.6495821693803041   T   T   T
 -0.0000000000000009 10.8824752239999647  0.0000000000000000   F   F   F
  0.0000000785375631 12.6962210493229701  2.5394500034680880   F   F   F
 -0.0237210480152967 10.8938191054339182  5.0732170821035663   T   T   T
 -0.0263500588705101 12.7136567109081895  7.6738215805192045   T   T   T
  9.4245000000000090  0.0000000000000000  0.0000000000000000   F   F   F
  9.4245000785374380  1.8137458253230103  2.5394500034680880   F   F   F
  1.5641973867445262 13.5986295687036201  5.0803684156877145   T   T   T
  9.4351704903638591  1.7867039934824054  7.6795806192684335   T   T   T
  7.8537499999999865  2.7206188060000391  0.0000000000000000   F   F   F
  7.8537500785374164  4.5343646313230481  2.5394500034680880   F   F   F
  7.8481386860295128  2.7148259968895507  5.0852688328384801   T   T   T
  7.9195724688721363  4.4492811238668430  7.6999512030628772   T   T   T
  6.2830000000000190  5.4412376119999823  0.0000000000000000   F   F   F
  6.2830000785374827  7.2549834373229913  2.5394500034680880   F   F   F
  6.3033474505748206  5.4522147558977974  5.1389317952855436   T   T   T
  6.6799176710744872  7.1335932021170452  8.0431967246700253   T   T   T
  4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
  4.7122500785374619  9.9756022433230278  2.5394500034680880   F   F   F
  4.7161047567045831  8.1268789147234148  5.1923558980456299   T   T   T
  4.6818082245035999 10.0599623480767715  7.5425529778948786   T   T   T
  3.1415000000000415 10.8824752239999647  0.0000000000000000   F   F   F
  3.1415000785374954 12.6962210493229701  2.5394500034680880   F   F   F
  3.1180487805829395 10.8862377920992941  5.0499274691586615   T   T   T
  3.1272044194454969 12.7056458015735174  7.6857725353967101   T   T   T
 12.5659999999999332  0.0000000000000000  0.0000000000000000   F   F   F
 12.5660000785373605  1.8137458253230103  2.5394500034680880   F   F   F
  4.7089018137950589 13.5818557818935801  5.0855876754692240   T   T   T
 12.5720797381380365  1.7898511004490092  7.6761924878404555   T   T   T
 10.9952499999992028  2.7206188060000391  0.0000000000000000   F   F   F
 10.9952500785374951  4.5343646313230481  2.5394500034680880   F   F   F
 10.9950762283390144  2.7131211745853991  5.0785940790586315   T   T   T
 11.0240096024384613  4.4964955291328987  7.6751758997011814   T   T   T
  9.4244999999999646  5.4412376119999823  0.0000000000000000   F   F   F
  9.4245000785375268  7.2549834373229913  2.5394500034680880   F   F   F
  9.4330319379184218  5.4351225971970578  5.0912811989171578   T   T   T
  9.5508432842834630  7.2332592961877538  7.6960513926156873   T   T   T
  7.8537499999999438  8.1618564180000188  0.0000000000000000   F   F   F
  7.8537500785375070  9.9756022433230278  2.5394500034680880   F   F   F
  7.8527964484373625  8.1503611504655389  5.1268758547880475   T   T   T
  7.8533086466700857  9.9751074729785998  7.6690482348038715   T   T   T
  6.2829999999999746 10.8824752239999647  0.0000000000000000   F   F   F
  6.2830000785375404 12.6962210493229701  2.5394500034680880   F   F   F
  6.2913665311934075 10.8847083141152154  5.0550556205819372   T   T   T
  6.2862240133818030 12.6922719006033908  7.6830891041532787   T   T   T
  5.9293639302259624  4.3361887692829670 11.9378016533637723   T   T   T
  7.9056638644180985  5.1604055323442797 13.2422693813402770   T   T   T
  8.5208056040383955  7.5572587976663756 13.2162157778891505   T   T   T
  7.1711570933824396  9.2099259944417859 11.9041726050693928   T   T   T
  5.0393016500864860  9.3966131464846168  9.9669439456040934   T   T   T
  4.7094682727453874  7.2301267164308589  8.1400895128064636   T   T   T
  3.9953728760355451  5.1538479580976118  9.9627282215038893   T   T   T
  2.9324888936147975  9.0452036659919095 11.5546294584229194   T   T   T
  2.2977784700938702  6.4281874144756426 11.5576431685934811   T   T   T
  6.1999633278936699  5.3956591622878127 11.9238717343427734   T   T   T
  7.3104795317858811  5.8659203087277101 12.6571064941491631   T   T   T
  7.6547031196820798  7.2156387833123397 12.6439638624483113   T   T   T
  6.8975670635499782  8.1513505711832810 11.9047369506746055   T   T   T
  5.8113573904465596  7.6852488952466009 11.1847450159590931   T   T   T
  5.4723455402751764  6.3140323198184243 11.1895268422013459   T   T   T
  4.7690160940114534  8.3764936175724589 10.2838126657364022   T   T   T
  4.2437668443682313  6.1770271278478690 10.2855881752953486   T   T   T
  4.5975382896415047  7.2557565314764956  9.2329718796146736   T   T   T
  3.4353876370112131  8.2282501795148786 11.0369267022481754   T   T   T
  3.1178617000775875  6.9218818336528605 11.0363953267163133   T   T   T
### POSCAR for INT44 ###
Mg  H  C
 1.0000000000000000
    15.7074999999999996    0.0000000000000000    0.0000000000000000
    -7.8537499999999998   13.6030940299999994    0.0000000000000000
     0.0000000000000000    0.0000000000000000   35.1578000000000017
 100   9  11
Selective dynamics
```

```
Cartesian
  0.0000000000000000  0.0000000000000000  0.0000000000000000   F   F   F
  0.0000000785374505  1.8137458253230103  2.5394499999999609   F   F   F
  0.0089562143644039  0.0065074990019593  5.0810732411766502   T   T   T
  0.0145478592048980  1.8255839443004802  7.6727044938386735   T   T   T
 -1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
 -1.5707499214624598  4.5343646313230481  2.5394499999999609   F   F   F
 -1.5649654150735364  2.7264784167173710  5.0848524125377983   T   T   T
 -1.5479357995651803  4.5444520178814329  7.6759971993979459   T   T   T
 -3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
 -3.1414999214624264  7.2549834373229904  2.5394499999999609   F   F   F
 -3.1336501169441524  5.4442626790925246  5.0839457051471006   T   T   T
 -3.1232528840538736  7.2601474737927676  7.6826725265817224   T   T   T
 -4.7122500000000107  8.1618564180000188  0.0000000000000000   F   F   F
 -4.7122499214624476  9.9756022433230278  2.5394499999999609   F   F   F
 -4.7020789115518342  8.1665688391739213  5.0876043164390339   T   T   T
 -4.6938919286574654  9.9861046188900033  7.6791201959869859   T   T   T
 -6.2829999999999773 10.8824752239999611  0.0000000000000000   F   F   F
 -6.2829999214624142 12.6962210493229701  2.5394499999999609   F   F   F
 -6.2614828050557501 10.8959199191421838  5.0751592822374487   T   T   T
 -6.2732720705701087 12.7085736503267483  7.6778637797570726   T   T   T
  3.1415000000000437  0.0000000000000000  0.0000000000000000   F   F   F
  3.1415000785374940  1.8137458253230103  2.5394499999999609   F   F   F
  3.1497758628834958  0.0089108721692764  5.0828806791568448   T   T   T
  3.1507312106225429  1.8281359850173333  7.6809525893013619   T   T   T
  1.5707500000000219  2.7206188060000378  0.0000000000000000   F   F   F
  1.5707500785374719  4.5343646313230481  2.5394499999999609   F   F   F
  1.5801852431271894  2.7362209754163933  5.0904546292195549   T   T   T
  1.6033656992188412  4.5717693944037228  7.6796639080043168   T   T   T
  0.0000000000000551  5.4412376119999806  0.0000000000000000   F   F   F
  0.0000000785375054  7.2549834373229904  2.5394499999999609   F   F   F
  0.0103936364637550  5.4468697608516301  5.0842222105677877   T   T   T
  0.0266705648581587  7.2598825295764131  7.6622161492682217   T   T   T
 -1.5707499999999670  8.1618564180000188  0.0000000000000000   F   F   F
 -1.5707499214625162  9.9756022433230278  2.5394499999999609   F   F   F
 -1.5595416791514771  8.1672121044162225  5.0864403136405985   T   T   T
 -1.5589193630857032  9.9812757967095536  7.6802454312733452   T   T   T
 -3.1414999999999336 10.8824752239999611  0.0000000000000000   F   F   F
 -3.1414999214624828 12.6962210493229701  2.5394499999999609   F   F   F
 -3.1285521996212236 10.8886689628407147  5.0850130115553380   T   T   T
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  6.2829999999999773  0.0000000000000000  0.0000000000000000   F   F   F
  6.2830000785375404  1.8137458253230103  2.5394499999999609   F   F   F
  6.2871190220764301  0.0021180588885450  5.0828285665743280   T   T   T
  6.2937509712845348  1.8180403339532476  7.6790744274856904   T   T   T
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  4.7122500785375179  4.5343646313230481  2.5394499999999609   F   F   F
  4.7173132487038316  2.7199949650583339  5.0828397674898493   T   T   T
  4.7361284795145941  4.5288816193330081  7.6433207515193775   T   T   T
  3.1414999999999886  5.4412376119999806  0.0000000000000000   F   F   F
  3.1415000785375513  7.2549834373229904  2.5394499999999609   F   F   F
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  1.5707500785375297  9.9756022433230278  2.5394499999999609   F   F   F
  1.5931702694865413  8.1774595106204071  5.1167869534182966   T   T   T
  1.5438855345342049 10.0085780884642901  7.6954633014438460   T   T   T
  0.0000000000000000 10.8824752239999611  0.0000000000000000   F   F   F
  0.0000000785375631 12.6962210493229701  2.5394499999999609   F   F   F
 -0.0077974114512767 10.8934856376797864  5.0722300371626154   T   T   T
  0.0094062841072544 12.7080412236588920  7.6743709025836990   T   T   T
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  7.8537500785374501  4.5343646313230481  2.5394499999999609   F   F   F
  7.8608401675088331  2.7235313220391992  5.0860441249587751   T   T   T
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  4.7122500785374619  9.9756022433230278  2.5394499999999609   F   F   F
  4.7359348729293327  8.1475362413287886  5.0242196530368295   T   T   T
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  9.4263811248495468  5.4490990679895841  5.0936198561892718   T   T   T
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