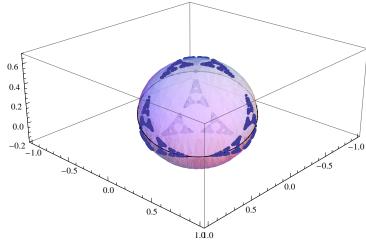
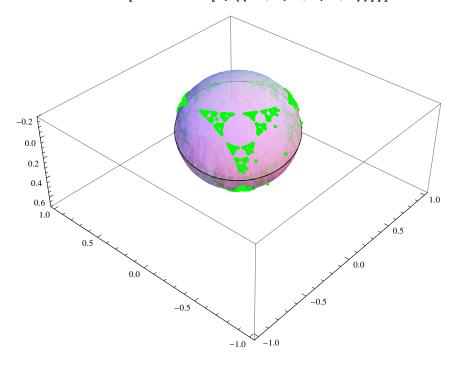
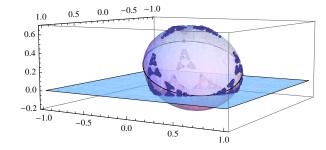
```
ln[8] = f1[p] := {(2-3Part[p, 1]) / (3-4Part[p, 1]),}
    Part[p, 2] / (3 - 4 Part[p, 1]), Part[p, 3] / (3 - 4 Part[p, 1])};
f2[p_] := {Part[p, 1] / (3 - 4 Part[p, 2]), (2 - 3 Part[p, 2]) / (3 - 4 Part[p, 2]),
   Part[p, 3] / (3 - 4 Part[p, 2])};
f3[p_] := {Part[p, 1] / (3 - 4 Part[p, 3]), Part[p, 2] / (3 - 4 Part[p, 3]),
    (2-3Part[p, 3]) / (3-4Part[p, 3])};
f4[p_] := {Part[p, 1] / (4 (Part[p, 1] + Part[p, 2] + Part[p, 3]) - 1),}
  Part[p, 2] / (4 (Part[p, 1] + Part[p, 2] + Part[p, 3]) - 1),
  Part[p, 3] / (4 (Part[p, 1] + Part[p, 2] + Part[p, 3]) - 1)}
expand[t_] :=
 Flatten[Table[{f1[Part[t, i]], f2[Part[t, i]], f3[Part[t, i]], f4[Part[t, i]]},
    {i, 1, Length[t]}], 1]
createTable[0, t_] := t
createTable[m_, t_] := createTable[m-1, expand[t]]
Show[Plot3D[\{1/2(1-x-y+(2x+2y-2x*y-3x^2-3y^2)^(1/2)\},
   1/2(1-x-y-(2x+2y-2x*y-3x^2-3y^2)^(1/2)),
  \{x, -1, 1\}, \{y, -1, 1\}, Mesh \rightarrow None, PlotStyle \rightarrow Opacity[0.7]],
 ListPointPlot3D[createTable[7, {{0, 0, 1 / 2}}]]]
 0.6
```





Show[Plot3D[$\{1/2 (1-x-y+(2x+2y-2x*y-3x^2-3y^2)^(1/2)), 1/2 (1-x-y-(2x+2y-2x*y-3x^2-3y^2)^(1/2)), 0\}, \{x,-1,1\}, \{y,-1,1\}, Mesh \rightarrow None, PlotStyle \rightarrow Opacity[0.7]], ListPointPlot3D[createTable[6, {<math>\{0,0,1/2\}\}$]]]



```
 \begin{split} & \text{Show}[\text{Plot3D}[\{1 \,/\, 2 \,\, (1 \,-\, x \,-\, y \,+\, (2\,x \,+\, 2\,y \,-\, 2\,x \,\star\, y \,-\, 3\,x \,^{2} \,-\, 3\,y \,^{2}) \,^{\wedge}\, (1\,/\, 2))\,, \\ & 1\,/\, 2\,\, (1 \,-\, x \,-\, y \,-\, (2\,x \,+\, 2\,y \,-\, 2\,x \,\star\, y \,-\, 3\,x \,^{2} \,-\, 3\,y \,^{2}) \,^{\wedge}\, (1\,/\, 2))\,\}\,, \\ & \{x,\,-1,\,1\}\,,\,\, \{y,\,-1,\,1\}\,,\,\,\, \text{Mesh} \to \text{None}\,,\,\,\, \text{PlotStyle} \to \text{Opacity}[0.7]]\,, \\ & \text{ListPointPlot3D}[\text{createTable}[6,\,\{\{0,\,0,\,1\,/\,2\}\}]]\,,\,\, \\ & \text{ListPointPlot3D}[\text{createTable}[6,\,\{\{-1\,/\,6,\,1\,/\,3,\,1\,/\,3\}\}]\,,\,\, \text{PlotStyle} \to \text{Green}]\,] \end{split}
```

