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```

p = Polyhedron(vertices = h6exp)
print(p)
pvert = p.vertices()
pvert = str(pvert).replace("A vertex at (", "[").replace(")",",", "],").replace("(", "[").replace(")","]")
print("VertN6:="+pvert+":")
prep = p.Hrepresentation()
prep = str(prepare).replace("An inequality (", "[[").replace(") x","]",").replace(">= 0","]").replace("(", "[").replace(")","]")
print("n6rep:="+prep+":")

```

A 3-dimensional polyhedron in \mathbb{Z}^3 defined as the convex hull of 14 vertices

```

VertN6:=[[3, 0, 1], [21, 6, 5], [21, 6, 0], [20, 6, 6], [20, 5, 6], [3, 0, 6], [3, 1, 0], [16, 1, 0], [15, 0, 6], [15, 0, 1], [4, 6, 6], [3, 6, 4], [3, 6, 0], [3, 4, 6]]:

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n6rep:[[0, -1, 0], + 6 ], [[-1, 1, 0], + 15 ], [[0, 0, 1], + 0 ],
[[1, 0, 0], - 3 ], [[2, -1, -1], + 4 ], [[0, 0, -1], + 6 ], [[0, 1, 0], + 0 ], [[0, 1, 1], - 1 ], [[-1, 0, -1], + 26 ]]:

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In [0]: