# graphs2

April 14, 2019

In [22]:
```
import networkx as nx
```

In [23]:
```
dump_file_base = "dumped_graph"
def remvoe_file(file_name):
    import os
    if os.path.exists(file_name):
        os.remove(file_name)
```

In [24]:
```
G = nx.krackhardt_kite_graph()
```

In [25]:
```
GML_file = dump_file_base + '.gml'
remvoe_file(GML_file)
nx.write_gml(G, GML_file)
G2 = nx.read_gml(GML_file)
G2_to_int = [(int(node[0]),int(node[1])) for node in G2.edges()]
print ("G1:",G.edges())
print ("G2:",G2_to_int)
assert(list(G.edges()) == G2_to_int)
```

```
G1: [(0, 1), (0, 2), (0, 3), (0, 5), (1, 3), (1, 4), (1, 6), (2, 3), (2, 5), (3, 4), (3, 5), (
G2: [(0, 1), (0, 2), (0, 3), (0, 5), (1, 3), (1, 4), (1, 6), (2, 3), (2, 5), (3, 4), (3, 5), (
```

In [ ]: