# Netsukuku topology

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Abstract

In this document, we describe the fractal structure of the Netsukuku topology. Moreover, we show how it is possible to use the QSPN v2 on the high levels of the fractal.

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## 4.1 Fractal topology

### 4.1.1 Level 1

The QSPN algorithm is able to operate independently on any level, consid-

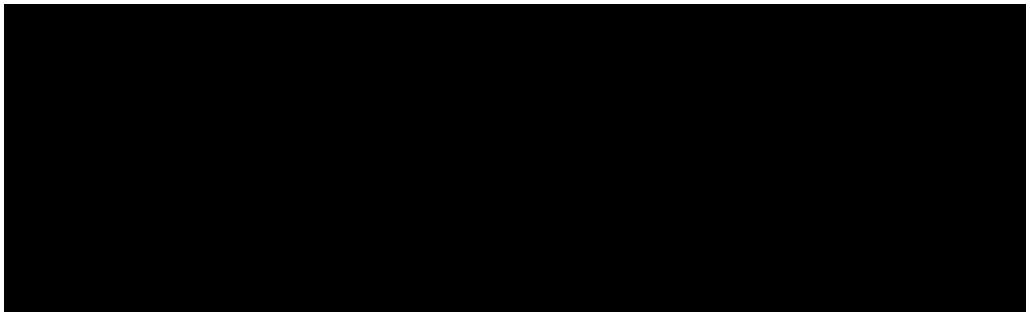

Figure 4: The gnodes $G_1$, $G_2$ a()1(d)]TJF119.963Tf19.3720Td[(G)]TJF76.974Tf7.833-1

and thus to *C*. *C* will send the packet again to *B*

7. When a bnode *b* (of any level)[6] loses one of its external links of level *n*, a CTP is sent in the level *n* −

# 7 Network dynamics

## 7.3 Level n

The dynamics for the update of high levels are mainly governed by rule 6 and 7 of flat levels (see 6.3

## 7.5 Gnode hook

When a node creates a new gnode, it will choose a random gnode ID, and thus a random ip.

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