- 1 C:\Users\sebas\.jdks\openjdk-14.0.2\bin\java.exe agentlib:jdwp=transport=dt_socket,address=127.0.0.1:
 52742,suspend=y,server=n -javaagent:C:\Users\sebas\
 AppData\Local\JetBrains\IdeaIC2020.2\captureAgent\
 debugger-agent.jar -Dfile.encoding=UTF-8 -classpath "
 C:\Users\sebas\Documents\GitHub\SchoolWorkYear2\Adv
 Data Structures\Assignments\Assign_2\out\production\
 Assign_2;C:\Program Files\JetBrains\IntelliJ IDEA
 Community Edition 2020.2.1\lib\idea_rt.jar" com.
 Assign_2.VirusTree
- 2 Connected to the target VM, address: '127.0.0.1:52742 ', transport: 'socket'
- 3 OpenJDK 64-Bit Server VM warning: Sharing is only supported for boot loader classes because bootstrap classpath has been appended
- 4 Input file name
- 5 tree_of_virus_input.txt
- 6 Virus: -> DNA Virus -> RNA Virus
- 7 -> Flaviviridae -> Filoviridae -> Coronaviridae
- 8 -> Flavivirus -> Hepacivirus
- 9 -> Cuevavirus -> Dianlovirus -> Ebolavirus ->
 Marburgvirus
- 10 -> Alphacoronavirus -> Betacoronavirus ->
 Deltacoronavirus -> Gammacoronavirus ->
 Alphaletovirus
- 11 -> Zika virus -> Yellow fever virus -> West Nile
 virus
- 12 -> GBV-B -> hepatitis C virus
- 13 -> Ebola virus -> Tai Forest virus -> Bombali virus
- 14 -> Marburg virus
- 15 -> Hcov-229E -> Hcov-NL63
- 16 -> HCoV-0C43 -> HCoV-HKU1
- 17 Betacoronavirus: -> HCoV-OC43 -> HCoV-HKU1 -> SARS-CoV
- 18 Betacoronavirus: -> HCoV-0C43 -> HCoV-HKU1 -> SARS-CoV -> MERS-CoV
- 19 -> Adenoviridae -> Poxviridae
- 20 -> Mastadenovirus
- 21 -> Orthopoxvirus
- 22 -> Canine hepatitis virus
- 23 -> Cowpox virus -> Smallpox virus
- 24 Breadth First:
- 25 Virus
- 26 DNA Virus

File - VirusTree 27 RNA Virus 28 Adenoviridae 29 Poxviridae 30 Flaviviridae 31 Filoviridae 32 Coronaviridae 33 Mastadenovirus 34 Orthopoxvirus 35 Flavivirus 36 Hepacivirus 37 Cuevavirus 38 Dianlovirus 39 Ebolavirus 40 Marburgvirus 41 Alphacoronavirus 42 Betacoronavirus 43 Deltacoronavirus 44 Gammacoronavirus 45 Alphaletovirus 46 Canine hepatitis virus 47 Cowpox virus 48 Smallpox virus 49 Zika virus 50 Yellow fever virus 51 West Nile virus 52 GBV-B 53 hepatitis C virus 54 Ebola virus 55 Tai Forest virus 56 Bombali virus 57 Marburg virus 58 Hcov-229E 59 Hcov-NL63 60 HCoV-0C43 61 HCoV-HKU1 62 SARS-CoV 63 MERS-CoV 64 65 Pre-Order 66 Virus 67 DNA Virus

68 Adenoviridae69 Mastadenovirus

70 Canine hepatitis virus

71 Poxviridae 72 Orthopoxvirus 73 Cowpox virus 74 Smallpox virus 75 RNA Virus 76 Flaviviridae 77 Flavivirus 78 Zika virus 79 Yellow fever virus 80 West Nile virus 81 Hepacivirus 82 GBV-B 83 hepatitis C virus 84 Filoviridae 85 Cuevavirus 86 Dianlovirus 87 Ebolavirus 88 Ebola virus 89 Tai Forest virus 90 Bombali virus 91 Marburgvirus 92 Marburg virus 93 Coronaviridae 94 Alphacoronavirus 95 Hcov-229E 96 Hcov-NL63 97 Betacoronavirus 98 HCoV-0C43 99 HCoV-HKU1 100 SARS-CoV 101 MERS-CoV 102 Deltacoronavirus 103 Gammacoronavirus 104 Alphaletovirus 105 106 Post-Order 107 Canine hepatitis virus 108 Mastadenovirus 109 Adenoviridae 110 Cowpox virus 111 Smallpox virus 112 Orthopoxvirus 113 Poxviridae 114 DNA Virus

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115 Zika virus
116 Yellow fever virus
117 West Nile virus
118 Flavivirus
119 GBV-B
120 hepatitis C virus
121 Hepacivirus
122 Flaviviridae
123 Cuevavirus
124 Dianlovirus
125 Ebola virus
126 Tai Forest virus
127 Bombali virus
128 Ebolavirus
129 Marburg virus
130 Marburgvirus
131 Filoviridae
132 Hcov-229E
133 Hcov-NL63
134 Alphacoronavirus
135 HCoV-0C43
136 HCoV-HKU1
137 SARS-CoV
138 MERS-CoV
139 Betacoronavirus
140 Deltacoronavirus
141 Gammacoronavirus
142 Alphaletovirus
143 Coronaviridae
144 RNA Virus
145 Virus
146
147 Height:
148 4
149
150 The distance between Ebola virus and Bombali virus
    is 1. They have common ancestor Ebolavirus
151
152 The distance between Ebola virus and Marburg virus
    is 2. They have common ancestor Filoviridae
153
154 The distance between HCoV-OC43 and Hcov-229E is 2.
    They have common ancestor Coronaviridae
155
```

156	The distance between SARS-CoV and Zika virus is 3.
	They have common ancestor RNA Virus
157	,
	Disconnected from the target VM, address: '127.0.0.1
	:52742', transport: 'socket'
159	. SZTAZ Y CHANOPOT C. SOUNCE
	Process finished with exit code 0
	Frocess fillished with exit code o
161	