

Problem 1. Given the graph below, find and sketch an algorithm for computing a minimum spanning tree of the weighted graph. The vertex is the top vertex of the graph. Make sure you include the name of the algorithm you use and the name of the graph.

Graph 1 (a weighted graph)

1. Vertex: v_1
 2. Vertex: v_2
 3. Vertex: v_3
 4. Vertex: v_4
 5. Vertex: v_5
 6. Vertex: v_6
 7. Vertex: v_7
 8. Vertex: v_8
 9. Vertex: v_9
 10. Vertex: v_{10}
 11. Vertex: v_{11}
 12. Vertex: v_{12}
 13. Vertex: v_{13}
 14. Vertex: v_{14}
 15. Vertex: v_{15}
 16. Vertex: v_{16}
 17. Vertex: v_{17}
 18. Vertex: v_{18}
 19. Vertex: v_{19}
 20. Vertex: v_{20}
 21. Vertex: v_{21}
 22. Vertex: v_{22}
 23. Vertex: v_{23}
 24. Vertex: v_{24}
 25. Vertex: v_{25}
 26. Vertex: v_{26}
 27. Vertex: v_{27}
 28. Vertex: v_{28}
 29. Vertex: v_{29}
 30. Vertex: v_{30}
 31. Vertex: v_{31}
 32. Vertex: v_{32}
 33. Vertex: v_{33}
 34. Vertex: v_{34}
 35. Vertex: v_{35}
 36. Vertex: v_{36}
 37. Vertex: v_{37}
 38. Vertex: v_{38}
 39. Vertex: v_{39}
 40. Vertex: v_{40}
 41. Vertex: v_{41}
 42. Vertex: v_{42}
 43. Vertex: v_{43}
 44. Vertex: v_{44}
 45. Vertex: v_{45}
 46. Vertex: v_{46}
 47. Vertex: v_{47}
 48. Vertex: v_{48}
 49. Vertex: v_{49}
 50. Vertex: v_{50}
 51. Vertex: v_{51}
 52. Vertex: v_{52}
 53. Vertex: v_{53}
 54. Vertex: v_{54}
 55. Vertex: v_{55}
 56. Vertex: v_{56}
 57. Vertex: v_{57}
 58. Vertex: v_{58}
 59. Vertex: v_{59}
 60. Vertex: v_{60}
 61. Vertex: v_{61}
 62. Vertex: v_{62}
 63. Vertex: v_{63}
 64. Vertex: v_{64}
 65. Vertex: v_{65}
 66. Vertex: v_{66}
 67. Vertex: v_{67}
 68. Vertex: v_{68}
 69. Vertex: v_{69}
 70. Vertex: v_{70}
 71. Vertex: v_{71}
 72. Vertex: v_{72}
 73. Vertex: v_{73}
 74. Vertex: v_{74}
 75. Vertex: v_{75}
 76. Vertex: v_{76}
 77. Vertex: v_{77}
 78. Vertex: v_{78}
 79. Vertex: v_{79}
 80. Vertex: v_{80}
 81. Vertex: v_{81}
 82. Vertex: v_{82}
 83. Vertex: v_{83}
 84. Vertex: v_{84}
 85. Vertex: v_{85}
 86. Vertex: v_{86}
 87. Vertex: v_{87}
 88. Vertex: v_{88}
 89. Vertex: v_{89}
 90. Vertex: v_{90}
 91. Vertex: v_{91}
 92. Vertex: v_{92}
 93. Vertex: v_{93}
 94. Vertex: v_{94}
 95. Vertex: v_{95}
 96. Vertex: v_{96}
 97. Vertex: v_{97}
 98. Vertex: v_{98}
 99. Vertex: v_{99}
 100. Vertex: v_{100}

