Decision tree rules

Cancer Dataset (Denmark)

Rule 1: IF Age <= 19.50 AND Tumor_Size_cm <= 7.43 AND Lymph_Nodes_Examined <= 7.00 AND Lymph_Nodes_Positive <= 2.50 AND Survival_Months <= 28.00 THEN class = Lung

Rule 2: IF Age <= 19.50 AND Tumor_Size_cm <= 7.43 AND Lymph_Nodes_Examined <= 7.00 AND Lymph_Nodes_Positive <= 2.50 AND Survival_Months > 28.00 AND Lymph_Nodes_Positive <= 0.50 AND Survival_Months <= 83.50 AND Survival_Months <= 42.50 THEN class = Skin

Rule 3: IF Age <= 19.50 AND Tumor_Size_cm <= 7.43 AND Lymph_Nodes_Examined <= 7.00 AND Lymph_Nodes_Positive <= 2.50 AND Survival_Months > 28.00 AND Lymph_Nodes_Positive <= 0.50 AND Survival_Months <= 83.50 AND Survival_Months > 42.50 THEN class = Leukemia

Rule 4: IF Age <= 19.50 AND Tumor_Size_cm <= 7.43 AND Lymph_Nodes_Examined <= 7.00 AND Lymph_Nodes_Positive <= 2.50 AND Survival_Months > 28.00 AND Lymph_Nodes_Positive <= 0.50 AND Survival_Months > 83.50 AND Tumor_Size_cm <= 2.31 THEN class = Breast

Rule 5: IF Age <= 19.50 AND Tumor_Size_cm <= 7.43 AND Lymph_Nodes_Examined <= 7.00 AND Lymph_Nodes_Positive <= 2.50 AND Survival_Months > 28.00 AND Lymph_Nodes_Positive <= 0.50 AND Survival_Months > 83.50 AND Tumor_Size_cm > 2.31 THEN class = Colon

Rule 6: IF Age <= 19.50 AND Tumor_Size_cm <= 7.43 AND Lymph_Nodes_Examined <= 7.00 AND Lymph_Nodes_Positive <= 2.50 AND Survival_Months > 28.00 AND Lymph_Nodes_Positive > 0.50 THEN class = Colon

Rule 7: IF Age <= 19.50 AND Tumor_Size_cm <= 7.43 AND Lymph_Nodes_Examined <= 7.00 AND Lymph_Nodes_Positive > 2.50 AND BMI <= 20.85 AND Tumor_Size_cm <= 3.40 THEN class = Prostate

Rule 8: IF Age <= 19.50 AND Tumor_Size_cm <= 7.43 AND Lymph_Nodes_Examined <= 7.00 AND Lymph_Nodes_Positive > 2.50 AND BMI <= 20.85 AND Tumor_Size_cm > 3.40 THEN class = Breast

Rule 9: IF Age <= 19.50 AND Tumor_Size_cm <= 7.43 AND Lymph_Nodes_Examined <= 7.00 AND Lymph_Nodes_Positive > 2.50 AND BMI > 20.85 THEN class = Skin

Rule 10: IF Age <= 19.50 AND Tumor_Size_cm <= 7.43 AND Lymph_Nodes_Examined > 7.00 AND Lymph_Nodes_Examined <= 18.50 AND Survival_Months <= 12.50 AND Tumor_Size_cm <= 4.59 AND Age <= 18.50 THEN class = Leukemia

Rule 11: IF Age <= 19.50 AND Tumor_Size_cm <= 7.43 AND Lymph_Nodes_Examined > 7.00 AND Lymph_Nodes_Examined <= 18.50 AND Survival_Months <= 12.50 AND Tumor_Size_cm <= 4.59 AND Age > 18.50 THEN class = Prostate

Rule 12: IF Age <= 19.50 AND Tumor_Size_cm <= 7.43 AND Lymph_Nodes_Examined > 7.00 AND Lymph_Nodes_Examined <= 18.50 AND Survival_Months <= 12.50 AND Tumor_Size_cm > 4.59 THEN class = Lung

Rule 13: IF Age <= 19.50 AND Tumor_Size_cm <= 7.43 AND Lymph_Nodes_Examined > 7.00 AND Lymph_Nodes_Examined <= 18.50 AND Survival_Months > 12.50 AND BMI <= 21.95 AND Age <= 18.50 THEN class = Breast

Rule 14: IF Age <= 19.50 AND Tumor_Size_cm <= 7.43 AND Lymph_Nodes_Examined > 7.00 AND Lymph_Nodes_Examined <= 18.50 AND Survival_Months > 12.50 AND BMI <= 21.95 AND Age > 18.50 THEN class = Leukemia

Rule 15: IF Age <= 19.50 AND Tumor_Size_cm <= 7.43 AND Lymph_Nodes_Examined > 7.00 AND Lymph_Nodes_Examined <= 18.50 AND Survival_Months > 12.50 AND BMI > 21.95 AND BMI <= 24.90 THEN class = Leukemia

Rule 16: IF Age <= 19.50 AND Tumor_Size_cm <= 7.43 AND Lymph_Nodes_Examined > 7.00 AND Lymph_Nodes_Examined <= 18.50 AND Survival_Months > 12.50 AND BMI > 21.95 AND BMI > 24.90 AND Survival_Months <= 117.00 AND Tumor_Size_cm <= 4.42 THEN class = Leukemia

Rule 17: IF Age <= 19.50 AND Tumor_Size_cm <= 7.43 AND Lymph_Nodes_Examined > 7.00 AND Lymph_Nodes_Examined <= 18.50 AND Survival_Months > 12.50 AND BMI > 21.95 AND BMI > 24.90 AND Survival_Months <= 117.00 AND Tumor_Size_cm > 4.42 AND Lymph_Nodes_Examined <= 9.50 THEN class = Leukemia

Rule 18: IF Age <= 19.50 AND Tumor_Size_cm <= 7.43 AND Lymph_Nodes_Examined > 7.00 AND Lymph_Nodes_Examined <= 18.50 AND Survival_Months > 12.50 AND BMI > 21.95 AND BMI > 24.90 AND Survival_Months <= 117.00 AND Tumor_Size_cm > 4.42 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 26.45 THEN class = Colon

Rule 19: IF Age <= 19.50 AND Tumor_Size_cm <= 7.43 AND Lymph_Nodes_Examined > 7.00 AND Lymph_Nodes_Examined <= 18.50 AND Survival_Months > 12.50 AND BMI > 21.95 AND BMI > 24.90 AND Survival_Months <= 117.00 AND Tumor_Size_cm > 4.42 AND Lymph_Nodes_Examined > 9.50 AND BMI > 26.45 THEN class = Skin

Rule 20: IF Age <= 19.50 AND Tumor_Size_cm <= 7.43 AND Lymph_Nodes_Examined > 7.00 AND Lymph_Nodes_Examined <= 18.50 AND Survival_Months > 12.50 AND BMI > 21.95 AND BMI > 24.90 AND Survival_Months > 117.00 THEN class = Lung

Rule 21: IF Age <= 19.50 AND Tumor_Size_cm <= 7.43 AND Lymph_Nodes_Examined > 7.00 AND Lymph_Nodes_Examined > 18.50 AND Tumor_Size_cm <= 1.71 THEN class = Colon

Rule 22: IF Age <= 19.50 AND Tumor_Size_cm <= 7.43 AND Lymph_Nodes_Examined > 7.00 AND Lymph_Nodes_Examined > 18.50 AND Tumor_Size_cm > 1.71 THEN class = Prostate

Rule 23: IF Age <= 19.50 AND Tumor_Size_cm > 7.43 AND Lymph_Nodes_Positive <= 9.50 AND Lymph_Nodes_Positive <= 4.00 AND BMI <= 20.20 THEN class = Breast

Rule 24: IF Age <= 19.50 AND Tumor_Size_cm > 7.43 AND Lymph_Nodes_Positive <= 9.50 AND Lymph_Nodes_Positive <= 4.00 AND BMI > 20.20 AND Age <= 18.50 AND Lymph_Nodes_Examined <= 3.00 THEN class = Leukemia

Rule 25: IF Age <= 19.50 AND Tumor_Size_cm > 7.43 AND Lymph_Nodes_Positive <= 9.50 AND Lymph_Nodes_Positive <= 4.00 AND BMI > 20.20 AND Age <= 18.50 AND Lymph_Nodes_Examined > 3.00 THEN class = Prostate

Rule 26: IF Age <= 19.50 AND Tumor_Size_cm > 7.43 AND Lymph_Nodes_Positive <= 9.50 AND Lymph_Nodes_Positive <= 4.00 AND BMI > 20.20 AND Age > 18.50 THEN class = Lung

Rule 27: IF Age <= 19.50 AND Tumor_Size_cm > 7.43 AND Lymph_Nodes_Positive <= 9.50 AND Lymph_Nodes_Positive > 4.00 THEN class = Breast

Rule 28: IF Age <= 19.50 AND Tumor_Size_cm > 7.43 AND Lymph_Nodes_Positive > 9.50 AND Tumor_Size_cm <= 7.96 THEN class = Lung

Rule 29: IF Age <= 19.50 AND Tumor_Size_cm > 7.43 AND Lymph_Nodes_Positive > 9.50 AND Tumor_Size_cm > 7.96 THEN class = Colon

Rule 30: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months <= 3.50 AND Tumor_Size_cm <= 4.32 AND Age <= 75.00 AND Lymph_Nodes_Examined <= 8.50 THEN class = Skin

Rule 31: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months <= 3.50 AND Tumor_Size_cm <= 4.32 AND Age <= 75.00 AND Lymph_Nodes_Examined > 8.50 THEN class = Prostate

Rule 32: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months <= 3.50 AND Tumor_Size_cm <= 4.32 AND Age > 75.00 AND Lymph_Nodes_Positive <= 4.00 THEN class = Prostate

Rule 33: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months <= 3.50 AND Tumor_Size_cm <= 4.32 AND Age > 75.00 AND Lymph_Nodes_Positive > 4.00 THEN class = Skin

Rule 34: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months <= 3.50 AND Tumor_Size_cm > 4.32 AND BMI <= 20.85 THEN class = Leukemia

Rule 35: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months <= 3.50 AND Tumor_Size_cm > 4.32 AND BMI > 20.85 THEN class = Colon

Rule 36: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm <= 2.44 AND Tumor_Size_cm <= 2.36 AND Tumor_Size_cm <= 1.63 AND BMI <= 30.25 AND Tumor_Size_cm <= 1.38 AND BMI <= 20.40 AND Tumor_Size_cm <= 1.05 AND Tumor_Size_cm <= 0.90 AND BMI <= 18.65 THEN class = Breast

Rule 37: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm <= 2.44 AND Tumor_Size_cm <= 2.36 AND Tumor_Size_cm <= 1.63 AND BMI <= 30.25 AND Tumor_Size_cm <= 1.38 AND BMI <= 20.40 AND Tumor_Size_cm <= 1.05 AND Tumor_Size_cm <= 0.90 AND BMI > 18.65 THEN class = Skin

Rule 38: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm <= 2.44 AND Tumor_Size_cm <= 2.36 AND Tumor_Size_cm <= 1.63 AND BMI <= 30.25 AND Tumor_Size_cm <=

1.38 AND BMI <= 20.40 AND Tumor_Size_cm <= 1.05 AND Tumor_Size_cm > 0.90 AND BMI <= 14.70 THEN class = Leukemia

Rule 39: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm <= 2.44 AND Tumor_Size_cm <= 2.36 AND Tumor_Size_cm <= 1.63 AND BMI <= 30.25 AND Tumor_Size_cm <= 1.38 AND BMI <= 20.40 AND Tumor_Size_cm <= 1.05 AND Tumor_Size_cm > 0.90 AND BMI > 14.70 THEN class = Colon

Rule 40: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm <= 2.44 AND Tumor_Size_cm <= 2.36 AND Tumor_Size_cm <= 1.63 AND BMI <= 30.25 AND Tumor_Size_cm <= 1.38 AND BMI <= 20.40 AND Tumor_Size_cm > 1.05 THEN class = Breast

Rule 41: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm <= 2.44 AND Tumor_Size_cm <= 2.36 AND Tumor_Size_cm <= 1.63 AND BMI <= 30.25 AND Tumor_Size_cm <= 1.38 AND BMI > 20.40 AND Lymph_Nodes_Positive <= 0.50 AND Age <= 76.00 AND Lymph_Nodes_Examined <= 2.50 AND Tumor_Size_cm <= 1.31 THEN class = Lung

Rule 42: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm <= 2.44 AND Tumor_Size_cm <= 2.36 AND Tumor_Size_cm <= 1.63 AND BMI <= 30.25 AND Tumor_Size_cm <= 1.38 AND BMI > 20.40 AND Lymph_Nodes_Positive <= 0.50 AND Age <= 76.00 AND Lymph_Nodes_Examined <= 2.50 AND Tumor_Size_cm > 1.31 THEN class = Leukemia

Rule 43: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm <= 2.44 AND Tumor_Size_cm <= 2.36 AND Tumor_Size_cm <= 1.63 AND BMI <= 30.25 AND Tumor_Size_cm <= 1.38 AND BMI > 20.40 AND Lymph_Nodes_Positive <= 0.50 AND Age <= 76.00 AND Lymph_Nodes_Examined > 2.50 THEN class = Leukemia

Rule 44: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm <= 2.44 AND Tumor_Size_cm <= 2.36 AND Tumor_Size_cm <= 1.63 AND BMI <= 30.25 AND Tumor_Size_cm <= 1.38 AND BMI > 20.40 AND Lymph_Nodes_Positive <= 0.50 AND Age > 76.00 AND Age <= 79.50 THEN class = Colon

Rule 45: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm <= 2.44 AND Tumor_Size_cm <= 2.36 AND Tumor_Size_cm <= 1.63 AND BMI <= 30.25 AND Tumor_Size_cm <= 1.38 AND BMI > 20.40 AND Lymph_Nodes_Positive <= 0.50 AND Age > 76.00 AND Age > 79.50 THEN class = Prostate

Rule 46: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm <= 2.44 AND Tumor_Size_cm <= 2.36 AND Tumor_Size_cm <= 1.63 AND BMI <= 30.25 AND Tumor_Size_cm <= 1.38 AND BMI > 20.40 AND Lymph_Nodes_Positive > 0.50 AND Tumor_Size_cm <= 0.80 AND Survival_Months <= 26.50 THEN class = Lung

Rule 47: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm <= 2.44 AND Tumor_Size_cm <= 2.36 AND Tumor_Size_cm <= 1.63 AND BMI <= 30.25 AND Tumor_Size_cm <= 1.38 AND BMI > 20.40 AND Lymph_Nodes_Positive > 0.50 AND Tumor_Size_cm <= 0.80 AND Survival_Months > 26.50 AND BMI <= 24.35 THEN class = Colon

Rule 48: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm <= 2.44 AND Tumor_Size_cm <= 2.36 AND Tumor_Size_cm <= 1.63 AND BMI <= 30.25 AND Tumor_Size_cm <= 1.38 AND BMI > 20.40 AND Lymph_Nodes_Positive > 0.50 AND Tumor_Size_cm <= 0.80 AND Survival_Months > 26.50 AND BMI > 24.35 THEN class = Skin

Rule 49: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm <= 2.44 AND Tumor_Size_cm <= 2.36 AND Tumor_Size_cm <= 1.63 AND BMI <= 30.25 AND Tumor_Size_cm <= 1.38 AND BMI > 20.40 AND Lymph_Nodes_Positive > 0.50 AND Tumor_Size_cm > 0.80 AND Tumor_Size_cm <= 0.84 THEN class = Breast

Rule 50: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm <= 2.44 AND Tumor_Size_cm <= 2.36 AND Tumor_Size_cm <= 1.63 AND BMI <= 30.25 AND Tumor_Size_cm <= 1.38 AND BMI > 20.40 AND Lymph_Nodes_Positive > 0.50 AND Tumor_Size_cm > 0.80 AND Tumor_Size_cm > 0.84 AND Tumor_Size_cm <= 1.23 THEN class = Colon

Rule 51: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm <= 2.44 AND Tumor_Size_cm <= 2.36 AND Tumor_Size_cm <= 1.63 AND BMI <= 30.25 AND Tumor_Size_cm <= 1.38 AND BMI > 20.40 AND Lymph_Nodes_Positive > 0.50 AND Tumor_Size_cm > 0.80 AND Tumor_Size_cm > 0.84 AND Tumor_Size_cm > 1.23 AND Age <= 51.00 THEN class = Colon

Rule 52: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm <= 2.44 AND Tumor_Size_cm <= 2.36 AND Tumor_Size_cm <= 1.63 AND BMI <= 30.25 AND Tumor_Size_cm <= 1.38 AND BMI > 20.40 AND Lymph_Nodes_Positive > 0.50 AND Tumor_Size_cm > 0.80 AND Tumor_Size_cm > 0.84 AND Tumor_Size_cm > 1.23 AND Age > 51.00 AND Age <= 72.00 THEN class = Leukemia

Rule 53: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm <= 2.44 AND Tumor_Size_cm <= 2.36 AND Tumor_Size_cm <= 1.63 AND BMI <= 30.25 AND Tumor_Size_cm <= 1.38 AND BMI > 20.40 AND Lymph_Nodes_Positive > 0.50 AND Tumor_Size_cm > 0.80 AND Tumor_Size_cm > 0.84 AND Tumor_Size_cm > 1.23 AND Age > 51.00 AND Age > 72.00 THEN class = Breast

Rule 54: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm <= 2.44 AND Tumor_Size_cm <= 2.36 AND Tumor_Size_cm <= 1.63 AND BMI <= 30.25 AND Tumor_Size_cm > 1.38 AND BMI <= 21.20 AND Lymph_Nodes_Examined <= 2.50 THEN class = Leukemia

Rule 55: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm <= 2.44 AND Tumor_Size_cm <= 2.36 AND Tumor_Size_cm <= 1.63 AND BMI <= 30.25 AND Tumor_Size_cm > 1.38 AND BMI <= 21.20 AND Lymph_Nodes_Examined > 2.50 THEN class = Colon

Rule 56: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm <= 2.44 AND Tumor_Size_cm <= 2.36 AND Tumor_Size_cm <= 1.63 AND BMI <= 30.25 AND Tumor_Size_cm > 1.38 AND BMI > 21.20 AND Survival_Months <= 13.00 THEN class = Skin

Rule 57: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm <= 2.44 AND Tumor_Size_cm <= 2.36 AND Tumor_Size_cm <= 1.63 AND BMI <= 30.25 AND Tumor_Size_cm > 1.38 AND BMI > 21.20 AND Survival_Months > 13.00 THEN class = Prostate

Rule 58: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm <= 2.44 AND Tumor_Size_cm <= 2.36 AND Tumor_Size_cm <= 1.63 AND BMI > 30.25 AND Age <= 35.50 AND Tumor_Size_cm <= 1.31 THEN class = Prostate

Rule 59: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm <= 2.44 AND Tumor_Size_cm <= 2.36 AND Tumor_Size_cm <= 1.63 AND BMI > 30.25 AND Age <= 35.50 AND Tumor_Size_cm > 1.31 THEN class = Lung

Rule 60: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm <= 2.44 AND Tumor_Size_cm <= 2.36 AND Tumor_Size_cm <= 1.63 AND BMI > 30.25 AND Age > 35.50 AND Lymph_Nodes_Examined <= 1.00 AND Tumor_Size_cm <= 1.44 THEN class = Prostate

Rule 61: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm <= 2.44 AND Tumor_Size_cm <= 2.36 AND Tumor_Size_cm <= 1.63 AND BMI > 30.25 AND Age > 35.50 AND Lymph_Nodes_Examined <= 1.00 AND Tumor_Size_cm > 1.44 THEN class = Skin

Rule 62: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm <= 2.44 AND Tumor_Size_cm <= 2.36 AND Tumor_Size_cm <= 1.63 AND BMI > 30.25 AND Age > 35.50 AND Lymph_Nodes_Examined > 1.00 THEN class = Skin

Rule 63: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm <= 2.44 AND Tumor_Size_cm <= 2.36 AND Tumor_Size_cm > 1.63 AND Lymph_Nodes_Positive <= 3.50 AND BMI <= 25.85 AND Survival_Months <= 18.50 AND BMI <= 22.25 THEN class = Colon

Rule 64: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm <= 2.44 AND Tumor_Size_cm <= 2.36 AND Tumor_Size_cm > 1.63 AND Lymph_Nodes_Positive <= 3.50 AND BMI <= 25.85 AND Survival_Months <= 18.50 AND BMI > 22.25 AND Lymph_Nodes_Positive <= 0.50 THEN class = Breast

Rule 65: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm <= 2.44 AND Tumor_Size_cm <= 2.36 AND Tumor_Size_cm > 1.63 AND Lymph_Nodes_Positive <= 3.50 AND BMI <= 25.85 AND Survival_Months <= 18.50 AND BMI > 22.25 AND Lymph_Nodes_Positive > 0.50 THEN class = Lung

Rule 66: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm <= 2.44 AND Tumor_Size_cm <= 2.36 AND Tumor_Size_cm > 1.63 AND Lymph_Nodes_Positive <= 3.50 AND BMI <= 25.85 AND Survival_Months > 18.50 AND Age <= 64.50 THEN class = Skin

Rule 67: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm <= 2.44 AND Tumor_Size_cm <= 2.36 AND Tumor_Size_cm > 1.63 AND Lymph_Nodes_Positive <= 3.50 AND BMI <= 25.85 AND Survival_Months > 18.50 AND Age > 64.50 AND Survival_Months <= 36.00 THEN class = Lung

Rule 68: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm <= 2.44 AND Tumor_Size_cm <= 2.36 AND Tumor_Size_cm > 1.63 AND Lymph_Nodes_Positive <= 3.50 AND BMI <= 25.85 AND Survival_Months > 18.50 AND Age > 64.50 AND Survival_Months > 36.00 AND BMI <= 20.70 THEN class = Lung

Rule 69: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm <= 2.44 AND Tumor_Size_cm <= 2.36 AND Tumor_Size_cm > 1.63 AND Lymph_Nodes_Positive <= 3.50 AND BMI <= 25.85 AND Survival_Months > 18.50 AND Age > 64.50 AND Survival_Months > 36.00 AND BMI > 20.70 THEN class = Skin

Rule 70: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm <= 2.44 AND Tumor_Size_cm <= 2.36 AND Tumor_Size_cm > 1.63 AND Lymph_Nodes_Positive <= 3.50 AND BMI > 25.85 AND Survival_Months <= 33.00 THEN class = Breast

Rule 71: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm <= 2.44 AND Tumor_Size_cm <= 2.36 AND Tumor_Size_cm > 1.63 AND Lymph_Nodes_Positive <= 3.50 AND BMI > 25.85 AND Survival_Months > 33.00 AND Survival_Months <= 43.50 THEN class = Colon

Rule 72: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm <= 2.44 AND Tumor_Size_cm <= 2.36 AND Tumor_Size_cm > 1.63 AND Lymph_Nodes_Positive <= 3.50 AND BMI > 25.85 AND Survival_Months > 33.00 AND Survival_Months > 43.50 AND BMI <= 28.05 THEN class = Prostate

Rule 73: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm <= 2.44 AND Tumor_Size_cm <= 2.36 AND Tumor_Size_cm > 1.63 AND Lymph_Nodes_Positive <= 3.50 AND BMI > 25.85 AND Survival_Months > 33.00 AND Survival_Months > 43.50 AND BMI > 28.05 THEN class = Breast

Rule 74: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm <= 2.44 AND Tumor_Size_cm <= 2.36 AND Tumor_Size_cm > 1.63 AND Lymph_Nodes_Positive > 3.50 AND BMI <= 28.65 AND Lymph_Nodes_Examined <= 4.50 AND Survival_Months <= 35.50 THEN class = Breast

Rule 75: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm <= 2.44 AND Tumor_Size_cm <= 2.36 AND Tumor_Size_cm > 1.63 AND Lymph_Nodes_Positive > 3.50 AND BMI <= 28.65 AND Lymph_Nodes_Examined <= 4.50 AND Survival_Months > 35.50 THEN class = Lung

Rule 76: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm <= 2.44 AND Tumor_Size_cm <= 2.36 AND Tumor_Size_cm > 1.63 AND Lymph_Nodes_Positive > 3.50 AND BMI <= 28.65 AND Lymph_Nodes_Examined > 4.50 THEN class = Lung

Rule 77: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm <= 2.44 AND Tumor_Size_cm <= 2.36 AND Tumor_Size_cm > 1.63 AND Lymph_Nodes_Positive > 3.50 AND BMI > 28.65 THEN class = Skin

Rule 78: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm <= 2.44 AND Tumor_Size_cm > 2.36 AND Survival_Months <= 18.50 AND Age <= 55.00 THEN class = Prostate

Rule 79: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm <= 2.44 AND Tumor_Size_cm > 2.36 AND Survival_Months <= 18.50 AND Age > 55.00 THEN class = Skin

Rule 80: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm <= 2.44 AND Tumor_Size_cm > 2.36 AND Survival_Months > 18.50 THEN class = Breast

Rule 81: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI <= 25.30 AND Survival_Months <= 31.50 AND Survival_Months <= 22.50 AND Lymph_Nodes_Examined <= 0.50 THEN class = Colon

Rule 82: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI <= 25.30 AND Survival_Months <= 31.50 AND Survival_Months <= 22.50 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive <= 0.50 THEN class = Skin

Rule 83: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI <= 25.30 AND Survival_Months <= 31.50 AND Survival_Months <= 22.50 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive > 0.50 AND BMI <= 21.95 AND Tumor_Size_cm <= 2.69 THEN class = Prostate

Rule 84: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI <= 25.30 AND Survival_Months <= 31.50 AND Survival_Months <= 22.50 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive > 0.50 AND BMI <= 21.95 AND Tumor_Size_cm > 2.69 AND Survival_Months <= 11.50 AND Lymph_Nodes_Examined <= 3.50 THEN class = Breast

Rule 85: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI

<= 25.30 AND Survival_Months <= 31.50 AND Survival_Months <= 22.50 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive > 0.50 AND BMI <= 21.95 AND Tumor_Size_cm > 2.69 AND Survival_Months <= 11.50 AND Lymph_Nodes_Examined > 3.50 THEN class = Lung

Rule 86: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI <= 25.30 AND Survival_Months <= 31.50 AND Survival_Months <= 22.50 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive > 0.50 AND BMI <= 21.95 AND Tumor_Size_cm > 2.69 AND Survival_Months > 11.50 AND Lymph_Nodes_Examined <= 2.50 THEN class = Prostate

Rule 87: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI <= 25.30 AND Survival_Months <= 31.50 AND Survival_Months <= 22.50 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive > 0.50 AND BMI <= 21.95 AND Tumor_Size_cm > 2.69 AND Survival_Months > 11.50 AND Lymph_Nodes_Examined > 2.50 AND BMI <= 21.70 AND Age <= 49.50 AND Lymph_Nodes_Positive <= 2.50 THEN class = Leukemia

Rule 88: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI <= 25.30 AND Survival_Months <= 31.50 AND Survival_Months <= 22.50 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive > 0.50 AND BMI <= 21.95 AND Tumor_Size_cm > 2.69 AND Survival_Months > 11.50 AND Lymph_Nodes_Examined > 2.50 AND BMI <= 21.70 AND Age <= 49.50 AND Lymph_Nodes_Positive > 2.50 AND Lymph_Nodes_Positive <= 3.50 THEN class = Breast

Rule 89: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI <= 25.30 AND Survival_Months <= 31.50 AND Survival_Months <= 22.50 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive > 0.50 AND BMI <= 21.95 AND Tumor_Size_cm > 2.69 AND Survival_Months > 11.50 AND Lymph_Nodes_Examined > 2.50 AND BMI <= 21.70 AND Age <= 49.50 AND Lymph_Nodes_Positive > 2.50 AND Lymph_Nodes_Positive > 3.50 THEN class = Skin

Rule 90: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI <= 25.30 AND Survival_Months <= 31.50 AND Survival_Months <= 22.50 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive > 0.50 AND BMI <= 21.95 AND Tumor_Size_cm > 2.69 AND Survival_Months > 11.50 AND Lymph_Nodes_Examined > 2.50 AND BMI <= 21.70 AND Age > 49.50 THEN class = Leukemia

Rule 91: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI

<= 25.30 AND Survival_Months <= 31.50 AND Survival_Months <= 22.50 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive > 0.50 AND BMI <= 21.95 AND Tumor_Size_cm > 2.69 AND Survival_Months > 11.50 AND Lymph_Nodes_Examined > 2.50 AND BMI > 21.70 THEN class = Breast

Rule 92: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI <= 25.30 AND Survival_Months <= 31.50 AND Survival_Months <= 22.50 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive > 0.50 AND BMI > 21.95 AND Lymph_Nodes_Positive <= 2.50 AND Tumor_Size_cm <= 3.12 THEN class = Lung

Rule 93: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI <= 25.30 AND Survival_Months <= 31.50 AND Survival_Months <= 22.50 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive > 0.50 AND BMI > 21.95 AND Lymph_Nodes_Positive <= 2.50 AND Tumor_Size_cm > 3.12 AND Survival_Months <= 11.50 AND Lymph_Nodes_Examined <= 2.50 THEN class = Skin

Rule 94: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI <= 25.30 AND Survival_Months <= 31.50 AND Survival_Months <= 22.50 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive > 0.50 AND BMI > 21.95 AND Lymph_Nodes_Positive <= 2.50 AND Tumor_Size_cm > 3.12 AND Survival_Months <= 11.50 AND Lymph_Nodes_Examined > 2.50 AND Lymph_Nodes_Examined <= 4.00 THEN class = Prostate

Rule 95: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI <= 25.30 AND Survival_Months <= 31.50 AND Survival_Months <= 22.50 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive > 0.50 AND BMI > 21.95 AND Lymph_Nodes_Positive <= 2.50 AND Tumor_Size_cm > 3.12 AND Survival_Months <= 11.50 AND Lymph_Nodes_Examined > 2.50 AND Lymph_Nodes_Examined > 4.00 THEN class = Lung

Rule 96: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI <= 25.30 AND Survival_Months <= 31.50 AND Survival_Months <= 22.50 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive > 0.50 AND BMI > 21.95 AND Lymph_Nodes_Positive <= 2.50 AND Tumor_Size_cm > 3.12 AND Survival_Months > 11.50 THEN class = Skin

Rule 97: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI <= 25.30 AND Survival_Months <= 31.50 AND Survival_Months <= 22.50 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive > 0.50 AND BMI > 21.95 AND Lymph_Nodes_Positive > 2.50 AND BMI <= 23.70 THEN class = Leukemia

Rule 98: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI <= 25.30 AND Survival_Months <= 31.50 AND Survival_Months <= 22.50 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive > 0.50 AND BMI > 21.95 AND Lymph_Nodes_Positive > 2.50 AND BMI > 23.70 THEN class = Prostate

Rule 99: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI <= 25.30 AND Survival_Months <= 31.50 AND Survival_Months > 22.50 AND Age <= 31.00 THEN class = Colon

Rule 100: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI <= 25.30 AND Survival_Months <= 31.50 AND Survival_Months > 22.50 AND Age > 31.00 AND Tumor_Size_cm <= 5.38 AND Lymph_Nodes_Positive <= 4.50 THEN class = Skin

Rule 101: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI <= 25.30 AND Survival_Months <= 31.50 AND Survival_Months > 22.50 AND Age > 31.00 AND Tumor_Size_cm <= 5.38 AND Lymph_Nodes_Positive > 4.50 AND Tumor_Size_cm <= 3.36 THEN class = Leukemia

Rule 102: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI <= 25.30 AND Survival_Months <= 31.50 AND Survival_Months > 22.50 AND Age > 31.00 AND Tumor_Size_cm <= 5.38 AND Lymph_Nodes_Positive > 4.50 AND Tumor_Size_cm > 3.36 THEN class = Skin

Rule 103: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI <= 25.30 AND Survival_Months <= 31.50 AND Survival_Months > 22.50 AND Age > 31.00 AND Tumor_Size_cm > 5.38 THEN class = Prostate

Rule 104: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI <= 25.30 AND Survival_Months > 31.50 AND Tumor_Size_cm <= 3.24 AND BMI <= 18.80 THEN class = Leukemia

Rule 105: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI <= 25.30 AND Survival_Months > 31.50 AND Tumor_Size_cm <= 3.24 AND BMI > 18.80 THEN class = Prostate

Rule 106: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI <= 25.30 AND Survival_Months > 31.50 AND Tumor_Size_cm > 3.24 AND BMI <= 15.65 THEN class = Prostate

Rule 107: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI <= 25.30 AND Survival_Months > 31.50 AND Tumor_Size_cm > 3.24 AND BMI > 15.65 AND Tumor_Size_cm <= 4.12 AND Age <= 55.50 THEN class = Colon

Rule 108: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI <= 25.30 AND Survival_Months > 31.50 AND Tumor_Size_cm > 3.24 AND BMI > 15.65 AND Tumor_Size_cm <= 4.12 AND Age > 55.50 AND Lymph_Nodes_Positive <= 1.50 AND Lymph_Nodes_Positive <= 0.50 THEN class = Leukemia

Rule 109: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI <= 25.30 AND Survival_Months > 31.50 AND Tumor_Size_cm > 3.24 AND BMI > 15.65 AND Tumor_Size_cm <= 4.12 AND Age > 55.50 AND Lymph_Nodes_Positive <= 1.50 AND Lymph_Nodes_Positive > 0.50 THEN class = Skin

Rule 110: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI <= 25.30 AND Survival_Months > 31.50 AND Tumor_Size_cm > 3.24 AND BMI > 15.65 AND Tumor_Size_cm <= 4.12 AND Age > 55.50 AND Lymph_Nodes_Positive > 1.50 AND Survival_Months <= 38.50 THEN class = Prostate

Rule 111: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI <= 25.30 AND Survival_Months > 31.50 AND Tumor_Size_cm > 3.24 AND BMI > 15.65 AND Tumor_Size_cm <= 4.12 AND Age > 55.50 AND Lymph_Nodes_Positive > 1.50 AND Survival_Months > 38.50 AND Tumor_Size_cm <= 3.98 AND BMI <= 21.15 AND Age <= 62.00 THEN class = Lung

Rule 112: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI <= 25.30 AND Survival_Months > 31.50 AND Tumor_Size_cm > 3.24 AND BMI > 15.65 AND Tumor_Size_cm <= 4.12 AND Age > 55.50 AND Lymph_Nodes_Positive > 1.50 AND Survival_Months > 38.50 AND Tumor_Size_cm <= 3.98 AND BMI <= 21.15 AND Age > 62.00 THEN class = Colon

Rule 113: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI <= 25.30 AND Survival_Months > 31.50 AND Tumor_Size_cm > 3.24 AND BMI > 15.65 AND

Tumor_Size_cm <= 4.12 AND Age > 55.50 AND Lymph_Nodes_Positive > 1.50 AND Survival_Months > 38.50 AND Tumor_Size_cm <= 3.98 AND BMI > 21.15 THEN class = Lung

Rule 114: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI <= 25.30 AND Survival_Months > 31.50 AND Tumor_Size_cm > 3.24 AND BMI > 15.65 AND Tumor_Size_cm <= 4.12 AND Age > 55.50 AND Lymph_Nodes_Positive > 1.50 AND Survival_Months > 38.50 AND Tumor_Size_cm > 3.98 THEN class = Prostate

Rule 115: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI <= 25.30 AND Survival_Months > 31.50 AND Tumor_Size_cm > 3.24 AND BMI > 15.65 AND Tumor_Size_cm > 4.12 AND Lymph_Nodes_Examined <= 3.50 AND Age <= 57.00 THEN class = Lung

Rule 116: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI <= 25.30 AND Survival_Months > 31.50 AND Tumor_Size_cm > 3.24 AND BMI > 15.65 AND Tumor_Size_cm > 4.12 AND Lymph_Nodes_Examined <= 3.50 AND Age > 57.00 AND Survival_Months <= 48.50 THEN class = Skin

Rule 117: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI <= 25.30 AND Survival_Months > 31.50 AND Tumor_Size_cm > 3.24 AND BMI > 15.65 AND Tumor_Size_cm > 4.12 AND Lymph_Nodes_Examined <= 3.50 AND Age > 57.00 AND Survival_Months > 48.50 THEN class = Breast

Rule 118: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI <= 25.30 AND Survival_Months > 31.50 AND Tumor_Size_cm > 3.24 AND BMI > 15.65 AND Tumor_Size_cm > 4.12 AND Lymph_Nodes_Examined > 3.50 AND Lymph_Nodes_Examined <= 6.50 THEN class = Leukemia

Rule 119: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI <= 25.30 AND Survival_Months > 31.50 AND Tumor_Size_cm > 3.24 AND BMI > 15.65 AND Tumor_Size_cm > 4.12 AND Lymph_Nodes_Examined > 3.50 AND Lymph_Nodes_Examined > 6.50 AND Age <= 56.00 THEN class = Skin

Rule 120: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI <= 25.30 AND Survival_Months > 31.50 AND Tumor_Size_cm > 3.24 AND BMI > 15.65 AND Tumor_Size_cm > 4.12 AND Lymph_Nodes_Examined > 3.50 AND Lymph_Nodes_Examined > 6.50 AND Age > 56.00 THEN class = Colon

Rule 121: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI > 25.30 AND BMI <= 26.55 AND Survival_Months <= 45.50 AND Age <= 43.50 THEN class = Prostate

Rule 122: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI > 25.30 AND BMI <= 26.55 AND Survival_Months <= 45.50 AND Age > 43.50 THEN class = Breast

Rule 123: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI > 25.30 AND BMI <= 26.55 AND Survival_Months > 45.50 AND Age <= 54.50 THEN class = Prostate

Rule 124: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI > 25.30 AND BMI <= 26.55 AND Survival_Months > 45.50 AND Age > 54.50 THEN class = Leukemia

Rule 125: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI > 25.30 AND BMI > 26.55 AND Age <= 62.50 AND Age <= 26.50 AND Tumor_Size_cm <= 5.32 AND Survival_Months <= 12.00 THEN class = Breast

Rule 126: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI > 25.30 AND BMI > 26.55 AND Age <= 62.50 AND Age <= 26.50 AND Tumor_Size_cm <= 5.32 AND Survival_Months > 12.00 AND Tumor_Size_cm <= 3.35 AND Age <= 23.00 THEN class = Lung

Rule 127: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI > 25.30 AND BMI > 26.55 AND Age <= 62.50 AND Age <= 26.50 AND Tumor_Size_cm <= 5.32 AND Survival_Months > 12.00 AND Tumor_Size_cm <= 3.35 AND Age > 23.00 THEN class = Prostate

Rule 128: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI > 25.30 AND BMI > 26.55 AND Age <= 62.50 AND Age <= 26.50 AND Tumor_Size_cm <= 5.32 AND Survival_Months > 12.00 AND Tumor_Size_cm > 3.35 THEN class = Prostate

Rule 129: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI > 25.30 AND BMI > 26.55 AND Age <= 62.50 AND Age <= 26.50 AND Tumor_Size_cm > 5.32 AND Survival_Months <= 19.00 THEN class = Colon

Rule 130: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND

Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI > 25.30 AND BMI > 26.55 AND Age <= 62.50 AND Age <= 26.50 AND Tumor_Size_cm > 5.32 AND Survival_Months > 19.00 THEN class = Leukemia

Rule 131: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI > 25.30 AND BMI > 26.55 AND Age <= 62.50 AND Age > 26.50 AND Tumor_Size_cm <= 3.00 THEN class = Leukemia

Rule 132: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI > 25.30 AND BMI > 26.55 AND Age <= 62.50 AND Age > 26.50 AND Tumor_Size_cm > 3.00 AND Lymph_Nodes_Examined <= 7.00 AND Lymph_Nodes_Positive <= 2.50 AND Age <= 37.50 AND Lymph_Nodes_Examined <= 1.50 THEN class = Prostate

Rule 133: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI > 25.30 AND BMI > 26.55 AND Age <= 62.50 AND Age > 26.50 AND Tumor_Size_cm > 3.00 AND Lymph_Nodes_Examined <= 7.00 AND Lymph_Nodes_Positive <= 2.50 AND Age <= 37.50 AND Lymph_Nodes_Examined > 1.50 AND Survival_Months <= 34.50 THEN class = Lung

Rule 134: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI > 25.30 AND BMI > 26.55 AND Age <= 62.50 AND Age > 26.50 AND Tumor_Size_cm > 3.00 AND Lymph_Nodes_Examined <= 7.00 AND Lymph_Nodes_Positive <= 2.50 AND Age <= 37.50 AND Lymph_Nodes_Examined > 1.50 AND Survival_Months > 34.50 THEN class = Colon

Rule 135: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI > 25.30 AND BMI > 26.55 AND Age <= 62.50 AND Age > 26.50 AND Tumor_Size_cm > 3.00 AND Lymph_Nodes_Examined <= 7.00 AND Lymph_Nodes_Positive <= 2.50 AND Age > 37.50 AND Tumor_Size_cm <= 3.43 THEN class = Colon

Rule 136: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI > 25.30 AND BMI > 26.55 AND Age <= 62.50 AND Age > 26.50 AND Tumor_Size_cm > 3.00 AND Lymph_Nodes_Examined <= 7.00 AND Lymph_Nodes_Positive <= 2.50 AND Age > 37.50 AND Tumor_Size_cm > 3.43 AND BMI <= 26.85 THEN class = Colon

Rule 137: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI > 25.30 AND BMI > 26.55 AND Age <= 62.50 AND Age > 26.50 AND Tumor_Size_cm > 3.00 AND Lymph_Nodes_Examined <= 7.00 AND Lymph_Nodes_Positive <= 2.50 AND Age > 37.50 AND Tumor_Size_cm > 3.43 AND BMI > 26.85 AND BMI <= 28.15 THEN class = Prostate

Rule 138: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI > 25.30 AND BMI > 26.55 AND Age <= 62.50 AND Age > 26.50 AND Tumor_Size_cm > 3.00 AND Lymph_Nodes_Examined <= 7.00 AND Lymph_Nodes_Positive <= 2.50 AND Age > 37.50 AND Tumor_Size_cm > 3.43 AND BMI > 26.85 AND BMI > 28.15 AND Tumor_Size_cm <= 4.72 AND Lymph_Nodes_Examined <= 3.50 THEN class = Lung

Rule 139: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI > 25.30 AND BMI > 26.55 AND Age <= 62.50 AND Age > 26.50 AND Tumor_Size_cm > 3.00 AND Lymph_Nodes_Examined <= 7.00 AND Lymph_Nodes_Positive <= 2.50 AND Age > 37.50 AND Tumor_Size_cm > 3.43 AND BMI > 26.85 AND BMI > 28.15 AND Tumor_Size_cm <= 4.72 AND Lymph_Nodes_Examined > 3.50 THEN class = Colon

Rule 140: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI > 25.30 AND BMI > 26.55 AND Age <= 62.50 AND Age > 26.50 AND Tumor_Size_cm > 3.00 AND Lymph_Nodes_Examined <= 7.00 AND Lymph_Nodes_Positive <= 2.50 AND Age > 37.50 AND Tumor_Size_cm > 3.43 AND BMI > 26.85 AND BMI > 28.15 AND Tumor_Size_cm > 4.72 AND BMI <= 29.35 THEN class = Colon

Rule 141: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI > 25.30 AND BMI > 26.55 AND Age <= 62.50 AND Age > 26.50 AND Tumor_Size_cm > 3.00 AND Lymph_Nodes_Examined <= 7.00 AND Lymph_Nodes_Positive <= 2.50 AND Age > 37.50 AND Tumor_Size_cm > 3.43 AND BMI > 26.85 AND BMI > 28.15 AND Tumor_Size_cm > 4.72 AND BMI > 29.35 AND Tumor_Size_cm <= 4.79 THEN class = Prostate

Rule 142: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI > 25.30 AND BMI > 26.55 AND Age <= 62.50 AND Age > 26.50 AND Tumor_Size_cm > 3.00 AND Lymph_Nodes_Examined <= 7.00 AND Lymph_Nodes_Positive <= 2.50 AND Age > 37.50 AND Tumor_Size_cm > 3.43 AND BMI > 26.85 AND BMI > 28.15 AND Tumor_Size_cm > 4.72 AND BMI > 29.35 AND Tumor_Size_cm > 4.79 THEN class = Skin

Rule 143: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI > 25.30 AND BMI > 26.55 AND Age <= 62.50 AND Age > 26.50 AND Tumor_Size_cm > 3.00 AND Lymph_Nodes_Examined <= 7.00 AND Lymph_Nodes_Positive > 2.50 AND Tumor_Size_cm <= 3.24 THEN class = Skin

Rule 144: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI >

25.30 AND BMI > 26.55 AND Age <= 62.50 AND Age > 26.50 AND Tumor_Size_cm > 3.00 AND Lymph_Nodes_Examined <= 7.00 AND Lymph_Nodes_Positive > 2.50 AND Tumor_Size_cm > 3.24 AND Tumor_Size_cm <= 5.02 THEN class = Colon

Rule 145: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI > 25.30 AND BMI > 26.55 AND Age <= 62.50 AND Age > 26.50 AND Tumor_Size_cm > 3.00 AND Lymph_Nodes_Examined <= 7.00 AND Lymph_Nodes_Positive > 2.50 AND Tumor_Size_cm > 3.24 AND Tumor_Size_cm > 5.02 THEN class = Leukemia

Rule 146: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI > 25.30 AND BMI > 26.55 AND Age <= 62.50 AND Age > 26.50 AND Tumor_Size_cm > 3.00 AND Lymph_Nodes_Examined > 7.00 AND Age <= 54.00 THEN class = Leukemia

Rule 147: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI > 25.30 AND BMI > 26.55 AND Age <= 62.50 AND Age > 26.50 AND Tumor_Size_cm > 3.00 AND Lymph_Nodes_Examined > 7.00 AND Age > 54.00 AND Age <= 60.50 THEN class = Skin

Rule 148: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI > 25.30 AND BMI > 26.55 AND Age <= 62.50 AND Age > 26.50 AND Tumor_Size_cm > 3.00 AND Lymph_Nodes_Examined > 7.00 AND Age > 54.00 AND Age > 60.50 THEN class = Lung

Rule 149: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI > 25.30 AND BMI > 26.55 AND Age > 62.50 AND BMI <= 31.40 AND Survival_Months <= 44.50 AND Age <= 80.00 AND BMI <= 26.70 THEN class = Leukemia

Rule 150: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI > 25.30 AND BMI > 26.55 AND Age > 62.50 AND BMI <= 31.40 AND Survival_Months <= 44.50 AND Age <= 80.00 AND BMI > 26.70 AND Tumor_Size_cm <= 2.79 THEN class = Colon

Rule 151: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI > 25.30 AND BMI > 26.55 AND Age > 62.50 AND BMI <= 31.40 AND Survival_Months <= 44.50 AND Age <= 80.00 AND BMI > 26.70 AND Tumor_Size_cm > 2.79 AND Lymph_Nodes_Examined <= 7.50 THEN class = Breast

Rule 152: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI >

25.30 AND BMI > 26.55 AND Age > 62.50 AND BMI <= 31.40 AND Survival_Months <= 44.50 AND Age <= 80.00 AND BMI > 26.70 AND Tumor_Size_cm > 2.79 AND Lymph_Nodes_Examined > 7.50 AND Tumor_Size_cm <= 4.10 THEN class = Prostate

Rule 153: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI > 25.30 AND BMI > 26.55 AND Age > 62.50 AND BMI <= 31.40 AND Survival_Months <= 44.50 AND Age <= 80.00 AND BMI > 26.70 AND Tumor_Size_cm > 2.79 AND Lymph_Nodes_Examined > 7.50 AND Tumor_Size_cm > 4.10 THEN class = Breast

Rule 154: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI > 25.30 AND BMI > 26.55 AND Age > 62.50 AND BMI <= 31.40 AND Survival_Months <= 44.50 AND Age > 80.00 AND Survival_Months <= 24.00 THEN class = Prostate

Rule 155: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI > 25.30 AND BMI > 26.55 AND Age > 62.50 AND BMI <= 31.40 AND Survival_Months <= 44.50 AND Age > 80.00 AND Survival_Months > 24.00 AND BMI <= 29.15 AND Survival_Months <= 35.00 THEN class = Lung

Rule 156: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI > 25.30 AND BMI > 26.55 AND Age > 62.50 AND BMI <= 31.40 AND Survival_Months <= 44.50 AND Age > 80.00 AND Survival_Months > 24.00 AND BMI <= 29.15 AND Survival_Months > 35.00 THEN class = Skin

Rule 157: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI > 25.30 AND BMI > 26.55 AND Age > 62.50 AND BMI <= 31.40 AND Survival_Months <= 44.50 AND Age > 80.00 AND Survival_Months > 24.00 AND BMI > 29.15 THEN class = Colon

Rule 158: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI > 25.30 AND BMI > 26.55 AND Age > 62.50 AND BMI <= 31.40 AND Survival_Months > 44.50 THEN class = Leukemia

Rule 159: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI > 25.30 AND BMI > 26.55 AND Age > 62.50 AND BMI > 31.40 AND Tumor_Size_cm <= 4.17 AND Tumor_Size_cm <= 2.65 THEN class = Skin

Rule 160: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND

Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI > 25.30 AND BMI > 26.55 AND Age > 62.50 AND BMI > 31.40 AND Tumor_Size_cm <= 4.17 AND Tumor_Size_cm > 2.65 THEN class = Prostate

Rule 161: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm <= 5.59 AND Tumor_Size_cm > 2.44 AND BMI > 25.30 AND BMI > 26.55 AND Age > 62.50 AND BMI > 31.40 AND Tumor_Size_cm > 4.17 THEN class = Skin

Rule 162: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm > 5.59 AND BMI <= 23.45 AND Age <= 70.00 THEN class = Colon

Rule 163: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm > 5.59 AND BMI <= 23.45 AND Age > 70.00 THEN class = Prostate

Rule 164: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm > 5.59 AND BMI > 23.45 AND Lymph_Nodes_Examined <= 3.50 THEN class = Lung

Rule 165: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm > 5.59 AND BMI > 23.45 AND Lymph_Nodes_Examined > 3.50 AND Age <= 74.50 AND Age <= 52.00 THEN class = Lung

Rule 166: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm > 5.59 AND BMI > 23.45 AND Lymph_Nodes_Examined > 3.50 AND Age <= 74.50 AND Age > 52.00 THEN class = Prostate

Rule 167: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm > 5.59 AND BMI > 23.45 AND Lymph_Nodes_Examined > 3.50 AND Age > 74.50 AND BMI <= 28.05 THEN class = Colon

Rule 168: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive <= 7.50 AND Tumor_Size_cm > 5.59 AND BMI > 23.45 AND Lymph_Nodes_Examined > 3.50 AND Age > 74.50 AND BMI > 28.05 THEN class = Breast

Rule 169: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive > 7.50 AND Age <= 45.00 AND Survival_Months <= 28.50 THEN class = Leukemia

Rule 170: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND

Lymph_Nodes_Positive > 7.50 AND Age <= 45.00 AND Survival_Months > 28.50 AND Age <= 34.50 THEN class = Colon

Rule 171: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive > 7.50 AND Age <= 45.00 AND Survival_Months > 28.50 AND Age > 34.50 THEN class = Skin

Rule 172: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive > 7.50 AND Age > 45.00 AND BMI <= 30.80 THEN class = Lung

Rule 173: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm <= 6.12 AND Survival_Months > 3.50 AND Lymph_Nodes_Positive > 7.50 AND Age > 45.00 AND BMI > 30.80 THEN class = Skin

Rule 174: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm <= 6.44 AND Lymph_Nodes_Examined <= 5.50 AND Lymph_Nodes_Examined <= 0.50 THEN class = Skin

Rule 175: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm <= 6.44 AND Lymph_Nodes_Examined <= 5.50 AND Lymph_Nodes_Examined > 0.50 AND Age <= 37.50 AND BMI <= 24.80 THEN class = Colon

Rule 176: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm <= 6.44 AND Lymph_Nodes_Examined <= 5.50 AND Lymph_Nodes_Examined > 0.50 AND Age <= 37.50 AND BMI > 24.80 THEN class = Leukemia

Rule 177: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm <= 6.44 AND Lymph_Nodes_Examined <= 5.50 AND Lymph_Nodes_Examined > 0.50 AND Age > 37.50 THEN class = Leukemia

Rule 178: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm <= 6.44 AND Lymph_Nodes_Examined > 5.50 AND BMI <= 21.95 AND Age <= 31.00 THEN class = Colon

Rule 179: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm <= 6.44 AND Lymph_Nodes_Examined > 5.50 AND BMI <= 21.95 AND Age > 31.00 AND Lymph_Nodes_Positive <= 2.50 THEN class = Leukemia

Rule 180: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm <= 6.44 AND Lymph_Nodes_Examined > 5.50 AND BMI <= 21.95 AND Age > 31.00 AND Lymph_Nodes_Positive > 2.50 THEN class = Skin

Rule 181: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm <= 6.44 AND Lymph_Nodes_Examined > 5.50 AND BMI > 21.95 THEN class = Prostate

Rule 182: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm > 6.44 AND BMI <= 23.75 AND Tumor_Size_cm <= 7.11 AND Age <= 32.50 AND Tumor_Size_cm <= 6.69 THEN class = Breast

Rule 183: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm > 6.44 AND BMI <= 23.75 AND Tumor_Size_cm <= 7.11 AND Age <= 32.50 AND Tumor_Size_cm > 6.69 THEN class = Colon

Rule 184: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm > 6.44 AND BMI <= 23.75 AND Tumor_Size_cm <= 7.11 AND Age > 32.50 AND BMI <= 23.15 AND Tumor_Size_cm <= 6.84 AND Survival_Months <= 10.00 THEN class = Colon

Rule 185: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm > 6.44 AND BMI <= 23.75 AND Tumor_Size_cm <= 7.11 AND Age > 32.50 AND BMI <= 23.15 AND Tumor_Size_cm <= 6.84 AND Survival_Months > 10.00 AND Age <= 55.50 THEN class = Skin

Rule 186: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm > 6.44 AND BMI <= 23.75 AND Tumor_Size_cm <= 7.11 AND Age > 32.50 AND BMI <= 23.15 AND Tumor_Size_cm <= 6.84 AND Survival_Months > 10.00 AND Age > 55.50 AND Lymph_Nodes_Positive <= 3.50 THEN class = Prostate

Rule 187: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm > 6.44 AND BMI <= 23.75 AND Tumor_Size_cm <= 7.11 AND Age > 32.50 AND BMI <= 23.15 AND Tumor_Size_cm <= 6.84 AND Survival_Months > 10.00 AND Age > 55.50 AND Lymph_Nodes_Positive > 3.50 THEN class = Lung

Rule 188: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm > 6.44 AND BMI <= 23.75 AND Tumor_Size_cm <= 7.11 AND Age > 32.50 AND BMI <= 23.15 AND Tumor_Size_cm > 6.84 THEN class = Skin

Rule 189: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm > 6.44 AND BMI <= 23.75 AND Tumor_Size_cm <= 7.11 AND Age > 32.50 AND BMI > 23.15 AND Age <= 38.00 THEN class = Leukemia

Rule 190: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm > 6.44 AND BMI <= 23.75 AND Tumor_Size_cm <= 7.11 AND Age > 32.50 AND BMI > 23.15 AND Age > 38.00 AND Survival_Months <= 29.50 THEN class = Colon

Rule 191: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm > 6.44 AND BMI <= 23.75 AND Tumor_Size_cm <= 7.11 AND Age > 32.50 AND BMI > 23.15 AND Age > 38.00 AND Survival_Months > 29.50 THEN class = Prostate

Rule 192: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm > 6.44 AND BMI <= 23.75 AND Tumor_Size_cm > 7.11 AND Lymph_Nodes_Examined <= 0.50 THEN class = Skin

Rule 193: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm > 6.44 AND BMI <= 23.75 AND Tumor_Size_cm > 7.11 AND Lymph_Nodes_Examined > 0.50 AND BMI <= 18.65 AND Lymph_Nodes_Examined <= 4.50 AND Lymph_Nodes_Examined <= 2.50 THEN class = Prostate

Rule 194: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm > 6.44 AND BMI <= 23.75 AND Tumor_Size_cm > 7.11 AND Lymph_Nodes_Examined > 0.50 AND BMI <= 18.65 AND Lymph_Nodes_Examined <= 4.50 AND Lymph_Nodes_Examined > 2.50 THEN class = Leukemia

Rule 195: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm > 6.44 AND BMI <= 23.75 AND Tumor_Size_cm > 7.11 AND Lymph_Nodes_Examined > 0.50 AND BMI <= 18.65 AND Lymph_Nodes_Examined > 4.50 AND BMI <= 13.05 THEN class = Colon

Rule 196: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm > 6.44 AND BMI <= 23.75 AND Tumor_Size_cm > 7.11 AND Lymph_Nodes_Examined > 0.50 AND BMI <= 18.65 AND Lymph_Nodes_Examined > 4.50 AND BMI > 13.05 THEN class = Prostate

Rule 197: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm > 6.44 AND BMI <= 23.75 AND Tumor_Size_cm > 7.11 AND Lymph_Nodes_Examined > 0.50 AND BMI > 18.65 AND Lymph_Nodes_Positive <= 1.50 AND Tumor_Size_cm <= 7.45 THEN class = Prostate

Rule 198: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm > 6.44 AND BMI <= 23.75 AND Tumor_Size_cm > 7.11 AND Lymph_Nodes_Examined > 0.50 AND BMI > 18.65 AND Lymph_Nodes_Positive <= 1.50 AND Tumor_Size_cm > 7.45 AND Tumor_Size_cm <= 7.76 AND Tumor_Size_cm <= 7.55 AND Survival_Months <= 15.50 THEN class = Breast

Rule 199: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm > 6.44 AND BMI <= 23.75 AND Tumor_Size_cm > 7.11 AND Lymph_Nodes_Examined > 0.50 AND BMI > 18.65 AND Lymph_Nodes_Positive <= 1.50 AND Tumor_Size_cm > 7.45 AND Tumor_Size_cm <= 7.76 AND Tumor_Size_cm <= 7.55 AND Survival_Months > 15.50 THEN class = Skin

Rule 200: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm > 6.44 AND BMI <= 23.75 AND Tumor_Size_cm > 7.11 AND Lymph_Nodes_Examined > 0.50 AND BMI > 18.65 AND Lymph_Nodes_Positive <= 1.50 AND Tumor_Size_cm > 7.45 AND Tumor_Size_cm <= 7.76 AND Tumor_Size_cm > 7.55 THEN class = Breast

Rule 201: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm > 6.44 AND BMI <= 23.75 AND Tumor_Size_cm > 7.11 AND Lymph_Nodes_Examined > 0.50 AND BMI > 18.65 AND Lymph_Nodes_Positive <= 1.50 AND Tumor_Size_cm > 7.45 AND Tumor_Size_cm > 7.76 AND BMI <= 22.10 THEN class = Lung

Rule 202: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm > 6.44 AND BMI <= 23.75 AND Tumor_Size_cm > 7.11 AND Lymph_Nodes_Examined > 0.50 AND BMI > 18.65 AND

Lymph_Nodes_Positive <= 1.50 AND Tumor_Size_cm > 7.45 AND Tumor_Size_cm > 7.76 AND BMI > 22.10 THEN class = Colon

Rule 203: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm > 6.44 AND BMI <= 23.75 AND Tumor_Size_cm > 7.11 AND Lymph_Nodes_Examined > 0.50 AND BMI > 18.65 AND Lymph_Nodes_Positive > 1.50 AND Age <= 78.50 AND BMI <= 23.40 THEN class = Leukemia

Rule 204: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm > 6.44 AND BMI <= 23.75 AND Tumor_Size_cm > 7.11 AND Lymph_Nodes_Examined > 0.50 AND BMI > 18.65 AND Lymph_Nodes_Positive > 1.50 AND Age <= 78.50 AND BMI > 23.40 THEN class = Breast

Rule 205: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm > 6.44 AND BMI <= 23.75 AND Tumor_Size_cm > 7.11 AND Lymph_Nodes_Examined > 0.50 AND BMI > 18.65 AND Lymph_Nodes_Positive > 1.50 AND Age > 78.50 THEN class = Breast

Rule 206: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm > 6.44 AND BMI > 23.75 AND Survival_Months <= 24.50 AND Survival_Months <= 6.50 AND BMI <= 29.10 AND BMI <= 27.20 AND Lymph_Nodes_Positive <= 3.00 THEN class = Colon

Rule 207: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm > 6.44 AND BMI > 23.75 AND Survival_Months <= 24.50 AND Survival_Months <= 6.50 AND BMI <= 29.10 AND BMI <= 27.20 AND Lymph_Nodes_Positive > 3.00 AND Lymph_Nodes_Positive <= 6.50 THEN class = Breast

Rule 208: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm > 6.44 AND BMI > 23.75 AND Survival_Months <= 24.50 AND Survival_Months <= 6.50 AND BMI <= 29.10 AND BMI <= 27.20 AND Lymph_Nodes_Positive > 3.00 AND Lymph_Nodes_Positive > 6.50 THEN class = Colon

Rule 209: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm > 6.44 AND BMI > 23.75 AND Survival_Months <= 24.50 AND Survival_Months <= 6.50 AND BMI <= 29.10 AND BMI > 27.20 AND Tumor_Size_cm <= 6.67 THEN class = Breast

Rule 210: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm > 6.44 AND BMI > 23.75 AND Survival_Months <= 24.50 AND Survival_Months <= 6.50 AND BMI <= 29.10 AND BMI > 27.20 AND Tumor_Size_cm > 6.67 THEN class = Skin

Rule 211: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm > 6.44 AND BMI > 23.75 AND Survival_Months <= 24.50 AND Survival_Months <= 6.50 AND BMI > 29.10 THEN class = Leukemia

Rule 212: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm > 6.44 AND BMI > 23.75 AND Survival_Months <= 24.50 AND Survival_Months > 6.50 AND Tumor_Size_cm <= 7.14 AND

Tumor_Size_cm <= 6.98 AND Survival_Months <= 15.50 AND Tumor_Size_cm <= 6.59 AND Tumor_Size_cm <= 6.51 THEN class = Skin

Rule 213: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm > 6.44 AND BMI > 23.75 AND Survival_Months <= 24.50 AND Survival_Months > 6.50 AND Tumor_Size_cm <= 7.14 AND Tumor_Size_cm <= 6.98 AND Survival_Months <= 15.50 AND Tumor_Size_cm <= 6.59 AND Tumor_Size_cm > 6.51 AND Survival_Months <= 12.50 THEN class = Prostate

Rule 214: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm > 6.44 AND BMI > 23.75 AND Survival_Months <= 24.50 AND Survival_Months > 6.50 AND Tumor_Size_cm <= 7.14 AND Tumor_Size_cm <= 6.98 AND Survival_Months <= 15.50 AND Tumor_Size_cm <= 6.59 AND Tumor_Size_cm > 6.51 AND Survival_Months > 12.50 THEN class = Leukemia

Rule 215: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm > 6.44 AND BMI > 23.75 AND Survival_Months <= 24.50 AND Survival_Months > 6.50 AND Tumor_Size_cm <= 7.14 AND Tumor_Size_cm <= 6.98 AND Survival_Months <= 15.50 AND Tumor_Size_cm > 6.59 THEN class = Skin

Rule 216: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm > 6.44 AND BMI > 23.75 AND Survival_Months <= 24.50 AND Survival_Months > 6.50 AND Tumor_Size_cm <= 7.14 AND Tumor_Size_cm <= 6.98 AND Survival_Months > 15.50 THEN class = Lung

Rule 217: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm > 6.44 AND BMI > 23.75 AND Survival_Months <= 24.50 AND Survival_Months > 6.50 AND Tumor_Size_cm <= 7.14 AND Tumor_Size_cm > 6.98 AND Survival_Months <= 17.00 THEN class = Prostate

Rule 218: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm > 6.44 AND BMI > 23.75 AND Survival_Months <= 24.50 AND Survival_Months > 6.50 AND Tumor_Size_cm <= 7.14 AND Tumor_Size_cm > 6.98 AND Survival_Months > 17.00 THEN class = Leukemia

Rule 219: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm > 6.44 AND BMI > 23.75 AND Survival_Months <= 24.50 AND Survival_Months > 6.50 AND Tumor_Size_cm > 7.14 AND Tumor_Size_cm <= 7.74 AND Lymph_Nodes_Examined <= 6.50 AND Lymph_Nodes_Positive <= 1.50 AND Lymph_Nodes_Examined <= 3.50 AND BMI <= 29.00 THEN class = Breast

Rule 220: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm > 6.44 AND BMI > 23.75 AND Survival_Months <= 24.50 AND Survival_Months > 6.50 AND Tumor_Size_cm > 7.14 AND Tumor_Size_cm <= 7.74 AND Lymph_Nodes_Examined <= 6.50 AND Lymph_Nodes_Positive <= 1.50 AND Lymph_Nodes_Examined <= 3.50 AND BMI > 29.00 THEN class = Leukemia

Rule 221: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm > 6.44 AND BMI > 23.75 AND Survival_Months <= 24.50 AND Survival_Months > 6.50 AND Tumor_Size_cm > 7.14 AND

Tumor_Size_cm <= 7.74 AND Lymph_Nodes_Examined <= 6.50 AND Lymph_Nodes_Positive <= 1.50 AND Lymph_Nodes_Examined > 3.50 THEN class = Lung

Rule 222: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm > 6.44 AND BMI > 23.75 AND Survival_Months <= 24.50 AND Survival_Months > 6.50 AND Tumor_Size_cm > 7.14 AND Tumor_Size_cm <= 7.74 AND Lymph_Nodes_Examined <= 6.50 AND Lymph_Nodes_Positive > 1.50 AND Survival_Months <= 15.50 AND Age <= 51.50 THEN class = Leukemia

Rule 223: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm > 6.44 AND BMI > 23.75 AND Survival_Months <= 24.50 AND Survival_Months > 6.50 AND Tumor_Size_cm > 7.14 AND Tumor_Size_cm <= 7.74 AND Lymph_Nodes_Examined <= 6.50 AND Lymph_Nodes_Positive > 1.50 AND Survival_Months <= 15.50 AND Age > 51.50 AND Age <= 64.00 THEN class = Breast

Rule 224: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm > 6.44 AND BMI > 23.75 AND Survival_Months <= 24.50 AND Survival_Months > 6.50 AND Tumor_Size_cm > 7.14 AND Tumor_Size_cm <= 7.74 AND Lymph_Nodes_Examined <= 6.50 AND Lymph_Nodes_Positive > 1.50 AND Survival_Months <= 15.50 AND Age > 51.50 AND Age > 64.00 THEN class = Skin

Rule 225: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm > 6.44 AND BMI > 23.75 AND Survival_Months <= 24.50 AND Survival_Months > 6.50 AND Tumor_Size_cm > 7.14 AND Tumor_Size_cm <= 7.74 AND Lymph_Nodes_Examined <= 6.50 AND Lymph_Nodes_Positive > 1.50 AND Survival_Months > 15.50 THEN class = Skin

Rule 226: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm > 6.44 AND BMI > 23.75 AND Survival_Months <= 24.50 AND Survival_Months > 6.50 AND Tumor_Size_cm > 7.14 AND Tumor_Size_cm <= 7.74 AND Lymph_Nodes_Examined > 6.50 THEN class = Skin

Rule 227: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm > 6.44 AND BMI > 23.75 AND Survival_Months <= 24.50 AND Survival_Months > 6.50 AND Tumor_Size_cm > 7.14 AND Tumor_Size_cm > 7.74 AND Lymph_Nodes_Examined <= 7.00 THEN class = Skin

Rule 228: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm > 6.44 AND BMI > 23.75 AND Survival_Months <= 24.50 AND Survival_Months > 6.50 AND Tumor_Size_cm > 7.14 AND Tumor_Size_cm > 7.74 AND Lymph_Nodes_Examined > 7.00 THEN class = Breast

Rule 229: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm > 6.44 AND BMI > 23.75 AND Survival_Months > 24.50 AND Age <= 43.00 AND Lymph_Nodes_Examined <= 5.00 AND Lymph_Nodes_Positive <= 1.50 AND BMI <= 28.65 THEN class = Prostate

Rule 230: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm > 6.44 AND BMI > 23.75 AND Survival_Months > 24.50 AND Age <= 43.00 AND Lymph_Nodes_Examined <= 5.00 AND Lymph_Nodes_Positive <= 1.50 AND BMI > 28.65 AND Age <= 29.50 THEN class = Lung

Rule 231: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm > 6.44 AND BMI > 23.75 AND Survival_Months > 24.50 AND Age <= 43.00 AND Lymph_Nodes_Examined <= 5.00 AND Lymph_Nodes_Positive <= 1.50 AND BMI > 28.65 AND Age > 29.50 AND Lymph_Nodes_Examined <= 0.50 THEN class = Skin

Rule 232: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm > 6.44 AND BMI > 23.75 AND Survival_Months > 24.50 AND Age <= 43.00 AND Lymph_Nodes_Examined <= 5.00 AND Lymph_Nodes_Positive <= 1.50 AND BMI > 28.65 AND Age > 29.50 AND Lymph_Nodes_Examined > 0.50 THEN class = Colon

Rule 233: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm > 6.44 AND BMI > 23.75 AND Survival_Months > 24.50 AND Age <= 43.00 AND Lymph_Nodes_Examined <= 5.00 AND Lymph_Nodes_Positive > 1.50 THEN class = Colon

Rule 234: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm > 6.44 AND BMI > 23.75 AND Survival_Months > 24.50 AND Age <= 43.00 AND Lymph_Nodes_Examined > 5.00 THEN class = Skin

Rule 235: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm > 6.44 AND BMI > 23.75 AND Survival_Months > 24.50 AND Age > 43.00 AND Lymph_Nodes_Positive <= 1.50 AND Lymph_Nodes_Examined <= 0.50 THEN class = Lung

Rule 236: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm > 6.44 AND BMI > 23.75 AND Survival_Months > 24.50 AND Age > 43.00 AND Lymph_Nodes_Positive <= 1.50 AND Lymph_Nodes_Examined > 0.50 AND Tumor_Size_cm <= 7.92 AND Lymph_Nodes_Examined <= 1.50 AND Age <= 69.00 THEN class = Leukemia

Rule 237: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm > 6.44 AND BMI > 23.75 AND Survival_Months > 24.50 AND Age > 43.00 AND Lymph_Nodes_Positive <= 1.50 AND Lymph_Nodes_Examined > 0.50 AND Tumor_Size_cm <= 7.92 AND Lymph_Nodes_Examined <= 1.50 AND Age > 69.00 THEN class = Skin

Rule 238: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm > 6.44 AND BMI > 23.75 AND Survival_Months > 24.50 AND Age > 43.00 AND Lymph_Nodes_Positive <= 1.50 AND Lymph_Nodes_Examined > 0.50 AND Tumor_Size_cm <= 7.92 AND Lymph_Nodes_Examined > 1.50 THEN class = Skin

Rule 239: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm > 6.44 AND BMI > 23.75 AND Survival_Months > 24.50 AND Age > 43.00 AND Lymph_Nodes_Positive <= 1.50 AND Lymph_Nodes_Examined > 0.50 AND Tumor_Size_cm > 7.92 AND Lymph_Nodes_Positive <= 0.50 THEN class = Breast

Rule 240: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm > 6.44 AND BMI > 23.75 AND Survival_Months > 24.50 AND Age > 43.00 AND Lymph_Nodes_Positive <= 1.50 AND Lymph_Nodes_Examined > 0.50 AND Tumor_Size_cm > 7.92 AND Lymph_Nodes_Positive > 0.50 THEN class = Lung

Rule 241: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm > 6.44 AND BMI > 23.75 AND Survival_Months > 24.50 AND Age > 43.00 AND Lymph_Nodes_Positive > 1.50 AND Age <= 55.50 AND Tumor_Size_cm <= 7.01 THEN class = Leukemia

Rule 242: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm > 6.44 AND BMI > 23.75 AND Survival_Months > 24.50 AND Age > 43.00 AND Lymph_Nodes_Positive > 1.50 AND Age <= 55.50 AND Tumor_Size_cm > 7.01 AND Lymph_Nodes_Examined <= 2.50 THEN class = Breast

Rule 243: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm > 6.44 AND BMI > 23.75 AND Survival_Months > 24.50 AND Age > 43.00 AND Lymph_Nodes_Positive > 1.50 AND Age <= 55.50 AND Tumor_Size_cm > 7.01 AND Lymph_Nodes_Examined > 2.50 THEN class = Prostate

Rule 244: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm > 6.44 AND BMI > 23.75 AND Survival_Months > 24.50 AND Age > 43.00 AND Lymph_Nodes_Positive > 1.50 AND Age > 55.50 AND Age <= 83.00 AND Lymph_Nodes_Examined <= 8.50 AND BMI <= 26.75 AND Lymph_Nodes_Examined <= 7.50 THEN class = Breast

Rule 245: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm > 6.44 AND BMI > 23.75 AND Survival_Months > 24.50 AND Age > 43.00 AND Lymph_Nodes_Positive > 1.50 AND Age > 55.50 AND Age <= 83.00 AND Lymph_Nodes_Examined <= 8.50 AND BMI <= 26.75 AND Lymph_Nodes_Examined > 7.50 THEN class = Lung

Rule 246: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm > 6.44 AND BMI > 23.75 AND Survival_Months > 24.50 AND Age > 43.00 AND Lymph_Nodes_Positive > 1.50 AND Age > 55.50 AND Age <= 83.00 AND Lymph_Nodes_Examined <= 8.50 AND BMI > 26.75 THEN class = Lung

Rule 247: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm > 6.44 AND BMI > 23.75 AND Survival_Months > 24.50 AND Age > 43.00 AND Lymph_Nodes_Positive > 1.50 AND Age > 55.50 AND Age <= 83.00 AND Lymph_Nodes_Examined > 8.50 THEN class = Colon

Rule 248: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm > 6.44 AND BMI > 23.75 AND Survival_Months > 24.50 AND Age > 43.00 AND Lymph_Nodes_Positive > 1.50 AND Age > 55.50 AND Age > 83.00 AND Tumor_Size_cm <= 8.18 THEN class = Breast

Rule 249: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 8.39 AND Tumor_Size_cm > 6.12 AND Tumor_Size_cm > 6.44 AND BMI > 23.75 AND Survival_Months > 24.50 AND Age > 43.00 AND Lymph_Nodes_Positive > 1.50 AND Age > 55.50 AND Age > 83.00 AND Tumor_Size_cm > 8.18 THEN class = Leukemia

Rule 250: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm > 8.39 AND BMI <= 32.05 AND Lymph_Nodes_Examined <= 8.50 AND Age <= 86.50 AND Tumor_Size_cm <= 8.44 AND BMI <= 25.35 THEN class = Leukemia

Rule 251: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm > 8.39 AND BMI <= 32.05 AND Lymph_Nodes_Examined <= 8.50 AND Age <= 86.50 AND Tumor_Size_cm <= 8.44 AND BMI > 25.35 THEN class = Prostate

Rule 252: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm > 8.39 AND BMI <= 32.05 AND Lymph_Nodes_Examined <= 8.50 AND Age <= 86.50 AND Tumor_Size_cm > 8.44 AND Age <= 77.50 AND Lymph_Nodes_Examined <= 3.50 AND Survival_Months <= 43.50 AND BMI <= 20.50 AND Age <= 66.00 THEN class = Leukemia

Rule 253: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm > 8.39 AND BMI <= 32.05 AND Lymph_Nodes_Examined <= 8.50 AND Age <= 86.50 AND Tumor_Size_cm > 8.44 AND Age <= 77.50 AND Lymph_Nodes_Examined <= 3.50 AND Survival_Months <= 43.50 AND BMI <= 20.50 AND Age > 66.00 THEN class = Breast

Rule 254: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm > 8.39 AND BMI <= 32.05 AND Lymph_Nodes_Examined <= 8.50 AND Age <= 86.50 AND Tumor_Size_cm > 8.44 AND Age <= 77.50 AND Lymph_Nodes_Examined <= 3.50 AND Survival_Months <= 43.50 AND BMI > 20.50 AND Age <= 23.00 THEN class = Skin

Rule 255: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm > 8.39 AND BMI <= 32.05 AND Lymph_Nodes_Examined <= 8.50 AND Age <= 86.50 AND Tumor_Size_cm > 8.44 AND Age <= 77.50 AND Lymph_Nodes_Examined <= 3.50 AND Survival_Months <= 43.50 AND BMI > 20.50 AND Age > 23.00 AND Survival_Months <= 41.50 AND Age <= 71.50 THEN class = Prostate

Rule 256: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm > 8.39 AND BMI <= 32.05 AND Lymph_Nodes_Examined <= 8.50 AND Age <= 86.50 AND Tumor_Size_cm > 8.44 AND Age <= 77.50 AND Lymph_Nodes_Examined <= 3.50 AND Survival_Months <= 43.50 AND BMI > 20.50 AND Age > 23.00 AND Survival_Months <= 41.50 AND Age > 71.50 AND Age <= 74.50 THEN class = Leukemia

Rule 257: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm > 8.39 AND BMI <= 32.05 AND Lymph_Nodes_Examined <= 8.50 AND Age <= 86.50 AND Tumor_Size_cm > 8.44 AND Age <= 77.50 AND Lymph_Nodes_Examined <= 3.50 AND Survival_Months <= 43.50 AND BMI > 20.50 AND Age > 23.00 AND Survival_Months <= 41.50 AND Age > 71.50 AND Age > 74.50 THEN class = Prostate

Rule 258: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm > 8.39 AND BMI <= 32.05 AND Lymph_Nodes_Examined <= 8.50 AND Age <= 86.50 AND Tumor_Size_cm > 8.44 AND Age <= 77.50 AND Lymph_Nodes_Examined <= 3.50 AND Survival_Months <= 43.50 AND BMI > 20.50 AND Age > 23.00 AND Survival_Months > 41.50 THEN class = Breast

Rule 259: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm > 8.39 AND BMI <= 32.05 AND Lymph_Nodes_Examined <= 8.50 AND Age <= 86.50 AND Tumor_Size_cm > 8.44 AND Age <= 77.50 AND Lymph_Nodes_Examined <= 3.50 AND Survival_Months > 43.50 AND Lymph_Nodes_Positive <= 1.00 AND Tumor_Size_cm <= 8.78 THEN class = Prostate

Rule 260: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm > 8.39 AND BMI <= 32.05 AND Lymph_Nodes_Examined <= 8.50 AND Age <= 86.50 AND Tumor_Size_cm > 8.44 AND Age <= 77.50 AND Lymph_Nodes_Examined <= 3.50 AND Survival_Months > 43.50 AND Lymph_Nodes_Positive <= 1.00 AND Tumor_Size_cm > 8.78 THEN class = Colon

Rule 261: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm > 8.39 AND BMI <= 32.05 AND Lymph_Nodes_Examined <= 8.50 AND Age <= 86.50 AND Tumor_Size_cm > 8.44 AND Age <= 77.50 AND Lymph_Nodes_Examined <= 3.50 AND Survival_Months > 43.50 AND Lymph_Nodes_Positive > 1.00 AND Age <= 61.50 THEN class = Breast

Rule 262: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm > 8.39 AND BMI <= 32.05 AND Lymph_Nodes_Examined <= 8.50 AND Age <= 86.50 AND Tumor_Size_cm > 8.44 AND Age <= 77.50 AND Lymph_Nodes_Examined <= 3.50 AND Survival_Months > 43.50 AND Lymph_Nodes_Positive > 1.00 AND Age > 61.50 THEN class = Prostate

Rule 263: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm > 8.39 AND BMI <= 32.05 AND Lymph_Nodes_Examined <= 8.50 AND Age <= 86.50 AND Tumor_Size_cm > 8.44 AND Age <= 77.50 AND Lymph_Nodes_Examined > 3.50 AND Survival_Months <= 49.50 AND Survival_Months <= 2.00 THEN class = Lung

Rule 264: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm > 8.39 AND BMI <= 32.05 AND Lymph_Nodes_Examined <= 8.50 AND Age <= 86.50 AND Tumor_Size_cm > 8.44 AND Age <= 77.50 AND Lymph_Nodes_Examined > 3.50 AND Survival_Months <= 49.50 AND Survival_Months > 2.00 AND Lymph_Nodes_Positive <= 5.00 AND Lymph_Nodes_Positive <= 1.50 AND Survival_Months <= 33.00 AND BMI <= 30.10 AND Tumor_Size_cm <= 9.09 AND Lymph_Nodes_Examined <= 4.50 THEN class = Colon

Rule 265: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm > 8.39 AND BMI <= 32.05 AND Lymph_Nodes_Examined <= 8.50 AND Age <= 86.50 AND Tumor_Size_cm > 8.44 AND Age <= 77.50 AND Lymph_Nodes_Examined > 3.50 AND Survival_Months <= 49.50 AND Survival_Months > 2.00 AND Lymph_Nodes_Positive <= 5.00 AND Lymph_Nodes_Positive <= 1.50 AND Survival_Months <= 33.00 AND BMI <= 30.10 AND Tumor_Size_cm <= 9.09 AND Lymph_Nodes_Examined > 4.50 THEN class = Skin

Rule 266: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm > 8.39 AND BMI <= 32.05 AND Lymph_Nodes_Examined <= 8.50 AND Age <= 86.50 AND Tumor_Size_cm > 8.44 AND Age <= 77.50 AND Lymph_Nodes_Examined > 3.50 AND Survival_Months <= 49.50 AND Survival_Months > 2.00 AND Lymph_Nodes_Positive <= 5.00 AND Lymph_Nodes_Positive <= 1.50 AND Survival_Months <= 33.00 AND BMI <= 30.10 AND Tumor_Size_cm > 9.09 THEN class = Colon

Rule 267: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm > 8.39 AND BMI <= 32.05 AND Lymph_Nodes_Examined <= 8.50 AND Age <= 86.50 AND Tumor_Size_cm > 8.44 AND Age <= 77.50 AND Lymph_Nodes_Examined > 3.50 AND Survival_Months <= 49.50 AND Survival_Months > 2.00 AND Lymph_Nodes_Positive <= 5.00 AND Lymph_Nodes_Positive <= 1.50 AND Survival_Months <= 33.00 AND BMI > 30.10 THEN class = Leukemia

Rule 268: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm > 8.39 AND BMI <= 32.05 AND Lymph_Nodes_Examined <= 8.50 AND Age <= 86.50

AND Tumor_Size_cm > 8.44 AND Age <= 77.50 AND Lymph_Nodes_Examined > 3.50 AND Survival_Months <= 49.50 AND Survival_Months > 2.00 AND Lymph_Nodes_Positive <= 5.00 AND Lymph_Nodes_Positive <= 1.50 AND Survival_Months > 33.00 THEN class = Lung

Rule 269: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm > 8.39 AND BMI <= 32.05 AND Lymph_Nodes_Examined <= 8.50 AND Age <= 86.50 AND Tumor_Size_cm > 8.44 AND Age <= 77.50 AND Lymph_Nodes_Examined > 3.50 AND Survival_Months <= 49.50 AND Survival_Months > 2.00 AND Lymph_Nodes_Positive <= 5.00 AND Lymph_Nodes_Positive > 1.50 AND Age <= 31.50 THEN class = Colon

Rule 270: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm > 8.39 AND BMI <= 32.05 AND Lymph_Nodes_Examined <= 8.50 AND Age <= 86.50 AND Tumor_Size_cm > 8.44 AND Age <= 77.50 AND Lymph_Nodes_Examined > 3.50 AND Survival_Months <= 49.50 AND Survival_Months > 2.00 AND Lymph_Nodes_Positive <= 5.00 AND Lymph_Nodes_Positive > 1.50 AND Age > 31.50 AND Tumor_Size_cm <= 8.78 THEN class = Colon

Rule 271: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm > 8.39 AND BMI <= 32.05 AND Lymph_Nodes_Examined <= 8.50 AND Age <= 86.50 AND Tumor_Size_cm > 8.44 AND Age <= 77.50 AND Lymph_Nodes_Examined > 3.50 AND Survival_Months <= 49.50 AND Survival_Months > 2.00 AND Lymph_Nodes_Positive <= 5.00 AND Lymph_Nodes_Positive > 1.50 AND Age > 31.50 AND Tumor_Size_cm > 8.78 THEN class = Prostate

Rule 272: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm > 8.39 AND BMI <= 32.05 AND Lymph_Nodes_Examined <= 8.50 AND Age <= 86.50 AND Tumor_Size_cm > 8.44 AND Age <= 77.50 AND Lymph_Nodes_Examined > 3.50 AND Survival_Months <= 49.50 AND Survival_Months > 2.00 AND Lymph_Nodes_Positive > 5.00 AND Survival_Months <= 10.50 THEN class = Prostate

Rule 273: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm > 8.39 AND BMI <= 32.05 AND Lymph_Nodes_Examined <= 8.50 AND Age <= 86.50 AND Tumor_Size_cm > 8.44 AND Age <= 77.50 AND Lymph_Nodes_Examined > 3.50 AND Survival_Months <= 49.50 AND Survival_Months > 2.00 AND Lymph_Nodes_Positive > 5.00 AND Survival_Months > 10.50 AND Survival_Months <= 21.00 AND Age <= 30.50 THEN class = Colon

Rule 274: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm > 8.39 AND BMI <= 32.05 AND Lymph_Nodes_Examined <= 8.50 AND Age <= 86.50 AND Tumor_Size_cm > 8.44 AND Age <= 77.50 AND Lymph_Nodes_Examined > 3.50 AND Survival_Months <= 49.50 AND Survival_Months > 2.00 AND Lymph_Nodes_Positive > 5.00 AND Survival_Months > 10.50 AND Survival_Months <= 21.00 AND Age > 30.50 AND Lymph_Nodes_Examined <= 7.00 THEN class = Leukemia

Rule 275: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm > 8.39 AND BMI <= 32.05 AND Lymph_Nodes_Examined <= 8.50 AND Age <= 86.50 AND Tumor_Size_cm > 8.44 AND Age <= 77.50 AND Lymph_Nodes_Examined > 3.50 AND Survival_Months <= 49.50 AND Survival_Months > 2.00 AND Lymph_Nodes_Positive > 5.00 AND Survival_Months > 10.50 AND Survival_Months <= 21.00 AND Age > 30.50 AND Lymph_Nodes_Examined > 7.00 THEN class = Colon

Rule 276: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm > 8.39 AND BMI <= 32.05 AND Lymph_Nodes_Examined <= 8.50 AND Age <= 86.50 AND Tumor_Size_cm > 8.44 AND Age <= 77.50 AND Lymph_Nodes_Examined > 3.50 AND

Survival_Months <= 49.50 AND Survival_Months > 2.00 AND Lymph_Nodes_Positive > 5.00 AND Survival_Months > 10.50 AND Survival_Months > 21.00 THEN class = Leukemia

Rule 277: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm > 8.39 AND BMI <= 32.05 AND Lymph_Nodes_Examined <= 8.50 AND Age <= 86.50 AND Tumor_Size_cm > 8.44 AND Age <= 77.50 AND Lymph_Nodes_Examined > 3.50 AND Survival_Months > 49.50 THEN class = Breast

Rule 278: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm > 8.39 AND BMI <= 32.05 AND Lymph_Nodes_Examined <= 8.50 AND Age <= 86.50 AND Tumor_Size_cm > 8.44 AND Age > 77.50 AND BMI <= 25.70 AND Tumor_Size_cm <= 9.26 THEN class = Colon

Rule 279: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm > 8.39 AND BMI <= 32.05 AND Lymph_Nodes_Examined <= 8.50 AND Age <= 86.50 AND Tumor_Size_cm > 8.44 AND Age > 77.50 AND BMI <= 25.70 AND Tumor_Size_cm > 9.26 AND Tumor_Size_cm <= 9.63 THEN class = Prostate

Rule 280: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm > 8.39 AND BMI <= 32.05 AND Lymph_Nodes_Examined <= 8.50 AND Age <= 86.50 AND Tumor_Size_cm > 8.44 AND Age > 77.50 AND BMI <= 25.70 AND Tumor_Size_cm > 9.26 AND Tumor_Size_cm > 9.63 THEN class = Colon

Rule 281: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm > 8.39 AND BMI <= 32.05 AND Lymph_Nodes_Examined <= 8.50 AND Age <= 86.50 AND Tumor_Size_cm > 8.44 AND Age > 77.50 AND BMI > 25.70 THEN class = Lung

Rule 282: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm > 8.39 AND BMI <= 32.05 AND Lymph_Nodes_Examined <= 8.50 AND Age > 86.50 THEN class = Prostate

Rule 283: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm > 8.39 AND BMI <= 32.05 AND Lymph_Nodes_Examined > 8.50 AND Survival_Months <= 36.50 AND Tumor_Size_cm <= 9.05 THEN class = Prostate

Rule 284: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm > 8.39 AND BMI <= 32.05 AND Lymph_Nodes_Examined > 8.50 AND Survival_Months <= 36.50 AND Tumor_Size_cm > 9.05 AND Survival_Months <= 17.50 THEN class = Prostate

Rule 285: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm > 8.39 AND BMI <= 32.05 AND Lymph_Nodes_Examined > 8.50 AND Survival_Months <= 36.50 AND Tumor_Size_cm > 9.05 AND Survival_Months > 17.50 THEN class = Lung

Rule 286: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm > 8.39 AND BMI <= 32.05 AND Lymph_Nodes_Examined > 8.50 AND Survival_Months > 36.50 AND Lymph_Nodes_Positive <= 5.50 THEN class = Skin

Rule 287: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm > 8.39 AND BMI <= 32.05 AND Lymph_Nodes_Examined > 8.50 AND Survival_Months > 36.50 AND Lymph_Nodes_Positive > 5.50 THEN class = Prostate

Rule 288: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm > 8.39 AND BMI > 32.05 AND Tumor_Size_cm <= 9.62 AND Lymph_Nodes_Positive <= 0.50 THEN class = Skin

Rule 289: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm > 8.39 AND BMI > 32.05 AND Tumor_Size_cm <= 9.62 AND Lymph_Nodes_Positive > 0.50 AND BMI <= 33.55 THEN class = Leukemia

Rule 290: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm > 8.39 AND BMI > 32.05 AND Tumor_Size_cm <= 9.62 AND Lymph_Nodes_Positive > 0.50 AND BMI > 33.55 AND Survival_Months <= 37.00 THEN class = Prostate

Rule 291: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm > 8.39 AND BMI > 32.05 AND Tumor_Size_cm <= 9.62 AND Lymph_Nodes_Positive > 0.50 AND BMI > 33.55 AND Survival_Months > 37.00 THEN class = Lung

Rule 292: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm > 8.39 AND BMI > 32.05 AND Tumor_Size_cm > 9.62 THEN class = Lung

Rule 293: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months <= 9.50 AND BMI <= 24.40 AND BMI <= 23.55 AND BMI <= 22.95 AND Tumor_Size_cm <= 8.30 AND Tumor_Size_cm <= 6.47 AND Age <= 36.50 AND Survival_Months <= 3.50 AND Lymph_Nodes_Positive <= 2.00 THEN class = Colon

Rule 294: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months <= 9.50 AND BMI <= 24.40 AND BMI <= 23.55 AND BMI <= 22.95 AND Tumor_Size_cm <= 8.30 AND Tumor_Size_cm <= 6.47 AND Age <= 36.50 AND Survival_Months <= 3.50 AND Lymph_Nodes_Positive > 2.00 AND BMI <= 17.00 THEN class = Breast

Rule 295: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months <= 9.50 AND BMI <= 24.40 AND BMI <= 23.55 AND BMI <= 22.95 AND Tumor_Size_cm <= 8.30 AND Tumor_Size_cm <= 6.47 AND Age <= 36.50 AND Survival_Months <= 3.50 AND Lymph_Nodes_Positive > 2.00 AND BMI > 17.00 THEN class = Leukemia

Rule 296: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months <= 9.50 AND BMI <= 24.40 AND BMI <= 23.55 AND BMI <= 22.95 AND Tumor_Size_cm <= 8.30 AND Tumor_Size_cm <= 6.47 AND Age <= 36.50 AND Survival_Months > 3.50 THEN class = Lung

Rule 297: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months <= 9.50 AND BMI <= 24.40 AND BMI <= 23.55 AND BMI <= 22.95 AND Tumor_Size_cm <= 8.30 AND Tumor_Size_cm <= 6.47 AND Age > 36.50 AND Tumor_Size_cm <= 1.59 AND Age <= 65.00 THEN class = Breast

Rule 298: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months <= 9.50 AND BMI <= 24.40 AND BMI <= 23.55 AND BMI <= 22.95 AND Tumor_Size_cm <= 8.30 AND Tumor_Size_cm <= 6.47 AND Age > 36.50 AND Tumor_Size_cm <= 1.59 AND Age > 65.00 AND Tumor_Size_cm <= 1.41 THEN class = Colon

Rule 299: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months <= 9.50 AND BMI <= 24.40 AND BMI <= 23.55

AND BMI <= 22.95 AND Tumor_Size_cm <= 8.30 AND Tumor_Size_cm <= 6.47 AND Age > 36.50 AND Tumor_Size_cm <= 1.59 AND Age > 65.00 AND Tumor_Size_cm > 1.41 THEN class = Prostate

Rule 300: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months <= 9.50 AND BMI <= 24.40 AND BMI <= 23.55 AND BMI <= 22.95 AND Tumor_Size_cm <= 8.30 AND Tumor_Size_cm <= 6.47 AND Age > 36.50 AND Tumor_Size_cm > 1.59 AND Lymph_Nodes_Examined <= 10.50 THEN class = Skin

Rule 301: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months <= 9.50 AND BMI <= 24.40 AND BMI <= 23.55 AND BMI <= 22.95 AND Tumor_Size_cm <= 8.30 AND Tumor_Size_cm <= 6.47 AND Age > 36.50 AND Tumor_Size_cm > 1.59 AND Lymph_Nodes_Examined > 10.50 AND Survival_Months <= 1.50 THEN class = Lung

Rule 302: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months <= 9.50 AND BMI <= 24.40 AND BMI <= 23.55 AND BMI <= 22.95 AND Tumor_Size_cm <= 8.30 AND Tumor_Size_cm <= 6.47 AND Age > 36.50 AND Tumor_Size_cm > 1.59 AND Lymph_Nodes_Examined > 10.50 AND Survival_Months > 1.50 AND Age <= 85.50 THEN class = Breast

Rule 303: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months <= 9.50 AND BMI <= 24.40 AND BMI <= 23.55 AND BMI <= 22.95 AND Tumor_Size_cm <= 8.30 AND Tumor_Size_cm <= 6.47 AND Age > 36.50 AND Tumor_Size_cm > 1.59 AND Lymph_Nodes_Examined > 10.50 AND Survival_Months > 1.50 AND Age > 85.50 THEN class = Leukemia

Rule 304: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months <= 9.50 AND BMI <= 24.40 AND BMI <= 23.55 AND BMI <= 22.95 AND Tumor_Size_cm <= 8.30 AND Tumor_Size_cm > 6.47 AND Lymph_Nodes_Examined <= 14.50 THEN class = Colon

Rule 305: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months <= 9.50 AND BMI <= 24.40 AND BMI <= 23.55 AND BMI <= 22.95 AND Tumor_Size_cm <= 8.30 AND Tumor_Size_cm > 6.47 AND Lymph_Nodes_Examined > 14.50 THEN class = Skin

Rule 306: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months <= 9.50 AND BMI <= 24.40 AND BMI <= 23.55 AND BMI <= 22.95 AND Tumor_Size_cm > 8.30 THEN class = Breast

Rule 307: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months <= 9.50 AND BMI <= 24.40 AND BMI <= 23.55 AND BMI > 22.95 AND Age <= 27.50 THEN class = Breast

Rule 308: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months <= 9.50 AND BMI <= 24.40 AND BMI <= 23.55 AND BMI > 22.95 AND Age > 27.50 THEN class = Prostate

Rule 309: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months <= 9.50 AND BMI <= 24.40 AND BMI > 23.55 AND BMI <= 23.85 THEN class = Leukemia

Rule 310: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months <= 9.50 AND BMI <= 24.40 AND BMI > 23.55 AND BMI > 23.85 AND Tumor_Size_cm <= 3.17 THEN class = Colon

Rule 311: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months <= 9.50 AND BMI <= 24.40 AND BMI > 23.55 AND BMI > 23.85 AND Tumor_Size_cm > 3.17 AND Lymph_Nodes_Examined <= 13.50 THEN class = Leukemia

Rule 312: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months <= 9.50 AND BMI <= 24.40 AND BMI > 23.55 AND BMI > 23.85 AND Tumor_Size_cm > 3.17 AND Lymph_Nodes_Examined > 13.50 THEN class = Breast

Rule 313: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months <= 9.50 AND BMI > 24.40 AND Tumor_Size_cm <= 9.57 AND BMI <= 24.85 AND Lymph_Nodes_Examined <= 13.00 THEN class = Colon

Rule 314: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months <= 9.50 AND BMI > 24.40 AND Tumor_Size_cm <= 9.57 AND BMI <= 24.85 AND Lymph_Nodes_Examined > 13.00 THEN class = Prostate

Rule 315: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months <= 9.50 AND BMI > 24.40 AND Tumor_Size_cm <= 9.57 AND BMI > 24.85 AND Tumor_Size_cm <= 5.25 AND Age <= 49.50 AND Survival_Months <= 1.50 THEN class = Skin

Rule 316: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months <= 9.50 AND BMI > 24.40 AND Tumor_Size_cm <= 9.57 AND BMI > 24.85 AND Tumor_Size_cm <= 5.25 AND Age <= 49.50 AND Survival_Months > 1.50 THEN class = Colon

Rule 317: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months <= 9.50 AND BMI > 24.40 AND Tumor_Size_cm <= 9.57 AND BMI > 24.85 AND Tumor_Size_cm <= 5.25 AND Age > 49.50 AND BMI <= 27.75 AND BMI <= 25.45 AND Survival_Months <= 3.50 THEN class = Lung

Rule 318: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months <= 9.50 AND BMI > 24.40 AND Tumor_Size_cm <= 9.57 AND BMI > 24.85 AND Tumor_Size_cm <= 5.25 AND Age > 49.50 AND BMI <= 27.75 AND BMI <= 25.45 AND Survival_Months > 3.50 THEN class = Breast

Rule 319: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months <= 9.50 AND BMI > 24.40 AND Tumor_Size_cm <= 9.57 AND BMI > 24.85 AND Tumor_Size_cm <= 5.25 AND Age > 49.50 AND BMI <= 27.75 AND BMI > 25.45 THEN class = Colon

Rule 320: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months <= 9.50 AND BMI > 24.40 AND

Tumor_Size_cm <= 9.57 AND BMI > 24.85 AND Tumor_Size_cm <= 5.25 AND Age > 49.50 AND BMI > 27.75 AND Tumor_Size_cm <= 2.38 AND Survival_Months <= 6.50 THEN class = Skin

Rule 321: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months <= 9.50 AND BMI > 24.40 AND Tumor_Size_cm <= 9.57 AND BMI > 24.85 AND Tumor_Size_cm <= 5.25 AND Age > 49.50 AND BMI > 27.75 AND Tumor_Size_cm <= 2.38 AND Survival_Months > 6.50 THEN class = Prostate

Rule 322: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months <= 9.50 AND BMI > 24.40 AND Tumor_Size_cm <= 9.57 AND BMI > 24.85 AND Tumor_Size_cm <= 5.25 AND Age > 49.50 AND BMI > 27.75 AND Tumor_Size_cm > 2.38 THEN class = Leukemia

Rule 323: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months <= 9.50 AND BMI > 24.40 AND Tumor_Size_cm <= 9.57 AND BMI > 24.85 AND Tumor_Size_cm > 5.25 AND Lymph_Nodes_Positive <= 16.00 AND Tumor_Size_cm <= 9.14 AND Survival_Months <= 4.00 AND Lymph_Nodes_Examined <= 17.50 AND Tumor_Size_cm <= 6.54 THEN class = Lung

Rule 324: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months <= 9.50 AND BMI > 24.40 AND Tumor_Size_cm <= 9.57 AND BMI > 24.85 AND Tumor_Size_cm > 5.25 AND Lymph_Nodes_Positive <= 16.00 AND Tumor_Size_cm <= 9.14 AND Survival_Months <= 4.00 AND Lymph_Nodes_Examined <= 17.50 AND Tumor_Size_cm > 6.54 AND Survival_Months <= 1.50 AND Lymph_Nodes_Examined <= 13.00 THEN class = Leukemia

Rule 325: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months <= 9.50 AND BMI > 24.40 AND Tumor_Size_cm <= 9.57 AND BMI > 24.85 AND Tumor_Size_cm > 5.25 AND Lymph_Nodes_Positive <= 16.00 AND Tumor_Size_cm <= 9.14 AND Survival_Months <= 4.00 AND Lymph_Nodes_Examined <= 17.50 AND Tumor_Size_cm > 6.54 AND Survival_Months <= 1.50 AND Lymph_Nodes_Examined > 13.00 THEN class = Breast

Rule 326: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months <= 9.50 AND BMI > 24.40 AND Tumor_Size_cm <= 9.57 AND BMI > 24.85 AND Tumor_Size_cm > 5.25 AND Lymph_Nodes_Positive <= 16.00 AND Tumor_Size_cm <= 9.14 AND Survival_Months <= 4.00 AND Lymph_Nodes_Examined <= 17.50 AND Tumor_Size_cm > 6.54 AND Survival_Months > 1.50 THEN class = Breast

Rule 327: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months <= 9.50 AND BMI > 24.40 AND Tumor_Size_cm <= 9.57 AND BMI > 24.85 AND Tumor_Size_cm > 5.25 AND Lymph_Nodes_Positive <= 16.00 AND Tumor_Size_cm <= 9.14 AND Survival_Months <= 4.00 AND Lymph_Nodes_Examined > 17.50 THEN class = Prostate

Rule 328: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months <= 9.50 AND BMI > 24.40 AND Tumor_Size_cm <= 9.57 AND BMI > 24.85 AND Tumor_Size_cm > 5.25 AND Lymph_Nodes_Positive <= 16.00 AND Tumor_Size_cm <= 9.14 AND Survival_Months > 4.00 AND Tumor_Size_cm <= 7.81 THEN class = Prostate

Rule 329: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months <= 9.50 AND BMI > 24.40 AND Tumor_Size_cm <= 9.57 AND BMI > 24.85 AND Tumor_Size_cm > 5.25 AND Lymph_Nodes_Positive <= 16.00 AND Tumor_Size_cm <= 9.14 AND Survival_Months > 4.00 AND Tumor_Size_cm > 7.81 THEN class = Leukemia

Rule 330: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months <= 9.50 AND BMI > 24.40 AND Tumor_Size_cm <= 9.57 AND BMI > 24.85 AND Tumor_Size_cm > 5.25 AND Lymph_Nodes_Positive <= 16.00 AND Tumor_Size_cm > 9.14 AND Age <= 55.50 AND Lymph_Nodes_Positive <= 5.50 THEN class = Skin

Rule 331: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months <= 9.50 AND BMI > 24.40 AND Tumor_Size_cm <= 9.57 AND BMI > 24.85 AND Tumor_Size_cm > 5.25 AND Lymph_Nodes_Positive <= 16.00 AND Tumor_Size_cm > 9.14 AND Age <= 55.50 AND Lymph_Nodes_Positive > 5.50 THEN class = Colon

Rule 332: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months <= 9.50 AND BMI > 24.40 AND Tumor_Size_cm <= 9.57 AND BMI > 24.85 AND Tumor_Size_cm > 5.25 AND Lymph_Nodes_Positive <= 16.00 AND Tumor_Size_cm > 9.14 AND Age > 55.50 THEN class = Lung

Rule 333: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months <= 9.50 AND BMI > 24.40 AND Tumor_Size_cm <= 9.57 AND BMI > 24.85 AND Tumor_Size_cm > 5.25 AND Lymph_Nodes_Positive > 16.00 THEN class = Skin

Rule 334: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months <= 9.50 AND BMI > 24.40 AND Tumor_Size_cm > 9.57 THEN class = Colon

Rule 335: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months <= 21.50 AND BMI <= 30.15 AND Lymph_Nodes_Positive <= 5.50 AND BMI <= 24.10 AND BMI <= 22.60 AND Lymph_Nodes_Examined <= 10.50 THEN class = Lung

Rule 336: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months <= 21.50 AND BMI <= 30.15 AND Lymph_Nodes_Positive <= 5.50 AND BMI <= 24.10 AND BMI <= 22.60 AND Lymph_Nodes_Examined > 10.50 AND Age <= 39.00 AND Tumor_Size_cm <= 7.93 AND Age <= 32.00 AND Lymph_Nodes_Positive <= 2.50 AND BMI <= 15.75 THEN class = Leukemia

Rule 337: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months <= 21.50 AND BMI <= 30.15 AND Lymph_Nodes_Positive <= 5.50 AND BMI <= 24.10 AND BMI <= 22.60 AND Lymph_Nodes_Examined > 10.50 AND Age <= 39.00 AND

Tumor_Size_cm <= 7.93 AND Age <= 32.00 AND Lymph_Nodes_Positive <= 2.50 AND BMI > 15.75 THEN class = Skin

Rule 338: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months <= 21.50 AND BMI <= 30.15 AND Lymph_Nodes_Positive <= 5.50 AND BMI <= 24.10 AND BMI <= 22.60 AND Lymph_Nodes_Examined > 10.50 AND Age <= 39.00 AND Tumor_Size_cm <= 7.93 AND Age <= 32.00 AND Lymph_Nodes_Positive > 2.50 THEN class = Colon

Rule 339: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months <= 21.50 AND BMI <= 30.15 AND Lymph_Nodes_Positive <= 5.50 AND BMI <= 24.10 AND BMI <= 22.60 AND Lymph_Nodes_Examined > 10.50 AND Age <= 39.00 AND Tumor_Size_cm <= 7.93 AND Age > 32.00 THEN class = Skin

Rule 340: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months <= 21.50 AND BMI <= 30.15 AND Lymph_Nodes_Positive <= 5.50 AND BMI <= 24.10 AND BMI <= 22.60 AND Lymph_Nodes_Examined > 10.50 AND Age <= 39.00 AND Tumor_Size_cm > 7.93 THEN class = Prostate

Rule 341: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months <= 21.50 AND BMI <= 30.15 AND Lymph_Nodes_Positive <= 5.50 AND BMI <= 24.10 AND BMI <= 22.60 AND Lymph_Nodes_Examined > 10.50 AND Age > 39.00 AND Lymph_Nodes_Examined <= 16.00 THEN class = Lung

Rule 342: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months <= 21.50 AND BMI <= 30.15 AND Lymph_Nodes_Positive <= 5.50 AND BMI <= 24.10 AND BMI <= 22.60 AND Lymph_Nodes_Examined > 10.50 AND Age > 39.00 AND Lymph_Nodes_Examined > 16.00 THEN class = Leukemia

Rule 343: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months <= 21.50 AND BMI <= 30.15 AND Lymph_Nodes_Positive <= 5.50 AND BMI <= 24.10 AND BMI > 22.60 AND Survival_Months <= 17.00 THEN class = Prostate

Rule 344: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months <= 21.50 AND BMI <= 30.15 AND Lymph_Nodes_Positive <= 5.50 AND BMI <= 24.10 AND BMI > 22.60 AND Survival_Months > 17.00 THEN class = Breast

Rule 345: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months <= 21.50 AND BMI <= 30.15 AND Lymph_Nodes_Positive <= 5.50 AND BMI > 24.10 AND Survival_Months <= 20.50 AND Survival_Months <= 17.50 THEN class = Skin

Rule 346: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months <= 21.50 AND BMI <= 30.15 AND Lymph_Nodes_Positive <= 5.50 AND BMI > 24.10 AND Survival_Months <= 20.50 AND Survival_Months > 17.50 AND Survival_Months <= 19.50 THEN class = Colon

Rule 347: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months <= 21.50 AND BMI <= 30.15 AND Lymph_Nodes_Positive <= 5.50 AND BMI > 24.10 AND Survival_Months <= 20.50 AND Survival_Months > 17.50 AND Survival_Months > 19.50 THEN class = Skin

Rule 348: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months <= 21.50 AND BMI <= 30.15 AND Lymph_Nodes_Positive <= 5.50 AND BMI > 24.10 AND Survival_Months > 20.50 THEN class = Leukemia

Rule 349: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months <= 21.50 AND BMI <= 30.15 AND Lymph_Nodes_Positive > 5.50 AND Tumor_Size_cm <= 4.04 AND Tumor_Size_cm <= 3.30 AND BMI <= 24.30 AND Lymph_Nodes_Positive <= 7.50 THEN class = Skin

Rule 350: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months <= 21.50 AND BMI <= 30.15 AND Lymph_Nodes_Positive > 5.50 AND Tumor_Size_cm <= 4.04 AND Tumor_Size_cm <= 3.30 AND BMI <= 24.30 AND Lymph_Nodes_Positive > 7.50 AND Survival_Months <= 16.50 THEN class = Leukemia

Rule 351: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months <= 21.50 AND BMI <= 30.15 AND Lymph_Nodes_Positive > 5.50 AND Tumor_Size_cm <= 4.04 AND Tumor_Size_cm <= 3.30 AND BMI <= 24.30 AND Lymph_Nodes_Positive > 7.50 AND Survival_Months > 16.50 THEN class = Breast

Rule 352: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <=

62.50 AND Survival_Months <= 21.50 AND BMI <= 30.15 AND Lymph_Nodes_Positive > 5.50 AND Tumor_Size_cm <= 4.04 AND Tumor_Size_cm <= 3.30 AND BMI > 24.30 THEN class = Colon

Rule 353: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months <= 21.50 AND BMI <= 30.15 AND Lymph_Nodes_Positive > 5.50 AND Tumor_Size_cm <= 4.04 AND Tumor_Size_cm > 3.30 THEN class = Breast

Rule 354: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months <= 21.50 AND BMI <= 30.15 AND Lymph_Nodes_Positive > 5.50 AND Tumor_Size_cm > 4.04 AND Survival_Months <= 16.50 AND BMI <= 20.40 THEN class = Lung

Rule 355: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months <= 21.50 AND BMI <= 30.15 AND Lymph_Nodes_Positive > 5.50 AND Tumor_Size_cm > 4.04 AND Survival_Months <= 16.50 AND BMI > 20.40 AND Tumor_Size_cm <= 7.36 AND Survival_Months <= 14.00 THEN class = Leukemia

Rule 356: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months <= 21.50 AND BMI <= 30.15 AND Lymph_Nodes_Positive > 5.50 AND Tumor_Size_cm > 4.04 AND Survival_Months <= 16.50 AND BMI > 20.40 AND Tumor_Size_cm <= 7.36 AND Survival_Months > 14.00 THEN class = Breast

Rule 357: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months <= 21.50 AND BMI <= 30.15 AND Lymph_Nodes_Positive > 5.50 AND Tumor_Size_cm > 4.04 AND Survival_Months <= 16.50 AND BMI > 20.40 AND Tumor_Size_cm > 7.36 AND BMI <= 25.05 THEN class = Skin

Rule 358: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months <= 21.50 AND BMI <= 30.15 AND Lymph_Nodes_Positive > 5.50 AND Tumor_Size_cm > 4.04 AND Survival_Months <= 16.50 AND BMI > 20.40 AND Tumor_Size_cm > 7.36 AND BMI > 25.05 AND Lymph_Nodes_Positive <= 10.00 AND BMI <= 25.80 THEN class = Breast

Rule 359: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months <= 21.50 AND BMI <= 30.15 AND Lymph_Nodes_Positive > 5.50 AND Tumor_Size_cm > 4.04 AND Survival_Months <= 16.50 AND BMI > 20.40 AND Tumor_Size_cm > 7.36 AND BMI > 25.05 AND Lymph_Nodes_Positive <= 10.00 AND BMI > 25.80 THEN class = Colon

Rule 360: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months <= 21.50 AND BMI <= 30.15 AND Lymph_Nodes_Positive > 5.50 AND Tumor_Size_cm > 4.04 AND Survival_Months <= 16.50 AND BMI > 20.40 AND Tumor_Size_cm > 7.36 AND BMI > 25.05 AND Lymph_Nodes_Positive > 10.00 THEN class = Prostate

Rule 361: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months <= 21.50 AND BMI <= 30.15 AND Lymph_Nodes_Positive > 5.50 AND Tumor_Size_cm > 4.04 AND Survival_Months > 16.50 AND Lymph_Nodes_Examined <= 11.00 THEN class = Lung

Rule 362: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months <= 21.50 AND BMI <= 30.15 AND Lymph_Nodes_Positive > 5.50 AND Tumor_Size_cm > 4.04 AND Survival_Months > 16.50 AND Lymph_Nodes_Examined > 11.00 THEN class = Leukemia

Rule 363: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months <= 21.50 AND BMI > 30.15 THEN class = Breast

Rule 364: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm <= 4.07 AND Lymph_Nodes_Positive <= 1.50 AND Lymph_Nodes_Examined <= 11.00 THEN class = Skin

Rule 365: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm <= 4.07 AND Lymph_Nodes_Positive <= 1.50 AND Lymph_Nodes_Examined > 11.00 AND Survival_Months <= 37.50 THEN class = Prostate

Rule 366: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm <= 4.07 AND Lymph_Nodes_Positive <= 1.50 AND Lymph_Nodes_Examined > 11.00 AND Survival_Months > 37.50 AND Lymph_Nodes_Positive <= 0.50 THEN class = Leukemia

Rule 367: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm <= 4.07 AND Lymph_Nodes_Positive <= 1.50 AND Lymph_Nodes_Examined > 11.00 AND Survival_Months > 37.50 AND Lymph_Nodes_Positive > 0.50 THEN class = Skin

Rule 368: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm <= 4.07 AND Lymph_Nodes_Positive > 1.50 AND Lymph_Nodes_Positive <= 2.50 THEN class = Lung

Rule 369: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm <= 4.07 AND Lymph_Nodes_Positive > 1.50 AND Lymph_Nodes_Positive > 2.50 AND Lymph_Nodes_Positive <= 9.00 AND Tumor_Size_cm <= 0.90 AND Lymph_Nodes_Positive <= 7.00 THEN class = Breast

Rule 370: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm <= 4.07 AND Lymph_Nodes_Positive > 1.50 AND Lymph_Nodes_Positive > 2.50 AND Lymph_Nodes_Positive <= 9.00 AND Tumor_Size_cm <= 0.90 AND Lymph_Nodes_Positive > 7.00 THEN class = Leukemia

Rule 371: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm <= 4.07 AND Lymph_Nodes_Positive > 1.50 AND Lymph_Nodes_Positive > 2.50 AND Lymph_Nodes_Positive <= 9.00 AND Tumor_Size_cm > 0.90 AND Tumor_Size_cm <= 2.69 AND Survival_Months <= 42.50 AND Age <= 39.50 THEN class = Lung

Rule 372: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm <= 4.07 AND Lymph_Nodes_Positive > 1.50 AND Lymph_Nodes_Positive > 2.50 AND Lymph_Nodes_Positive <= 9.00 AND Tumor_Size_cm > 0.90 AND Tumor_Size_cm <= 2.69 AND Survival_Months <= 42.50 AND Age > 39.50 AND Survival_Months <= 25.50 AND Lymph_Nodes_Examined <= 14.00 THEN class = Leukemia

Rule 373: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm <= 4.07 AND Lymph_Nodes_Positive > 1.50 AND Lymph_Nodes_Positive > 2.50 AND Lymph_Nodes_Positive <= 9.00 AND Tumor_Size_cm > 0.90 AND Tumor_Size_cm <= 2.69 AND Survival_Months <= 42.50 AND Age > 39.50 AND Survival_Months <= 25.50 AND Lymph_Nodes_Examined > 14.00 THEN class = Lung

Rule 374: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm <= 4.07 AND Lymph_Nodes_Positive > 1.50 AND Lymph_Nodes_Positive > 2.50 AND Lymph_Nodes_Positive <= 9.00 AND Tumor_Size_cm > 0.90 AND Tumor_Size_cm <= 2.69 AND Survival_Months <= 42.50 AND Age > 39.50 AND Survival_Months > 25.50 AND Survival_Months <= 34.00 THEN class = Colon

Rule 375: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm <= 4.07 AND Lymph_Nodes_Positive > 1.50 AND Lymph_Nodes_Positive > 2.50 AND Lymph_Nodes_Positive <= 9.00 AND Tumor_Size_cm > 0.90 AND Tumor_Size_cm <= 2.69 AND Survival_Months <= 42.50 AND Age > 39.50 AND Survival_Months > 25.50 AND Survival_Months > 34.00 THEN class = Leukemia

Rule 376: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm <= 4.07 AND Lymph_Nodes_Positive > 1.50 AND Lymph_Nodes_Positive > 2.50 AND Lymph_Nodes_Positive <= 9.00 AND Tumor_Size_cm > 0.90 AND Tumor_Size_cm <= 2.69 AND Survival_Months > 42.50 THEN class = Prostate

Rule 377: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm <= 4.07 AND Lymph_Nodes_Positive > 1.50 AND Lymph_Nodes_Positive > 2.50 AND Lymph_Nodes_Positive <= 9.00 AND Tumor_Size_cm > 0.90 AND Tumor_Size_cm > 2.69 AND BMI <= 21.10 AND Age <= 61.50 AND Survival_Months <= 46.50 THEN class = Lung

Rule 378: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm <= 4.07 AND Lymph_Nodes_Positive > 1.50 AND Lymph_Nodes_Positive > 2.50 AND Lymph_Nodes_Positive <= 9.00 AND Tumor_Size_cm > 0.90 AND Tumor_Size_cm > 2.69 AND BMI <= 21.10 AND Age <= 61.50 AND Survival_Months > 46.50 AND BMI <= 15.95 THEN class = Leukemia

Rule 379: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm <= 4.07 AND Lymph_Nodes_Positive > 1.50 AND Lymph_Nodes_Positive > 2.50 AND Lymph_Nodes_Positive <= 9.00 AND Tumor_Size_cm > 0.90 AND Tumor_Size_cm > 2.69 AND BMI <= 21.10 AND Age <= 61.50 AND Survival_Months > 46.50 AND BMI > 15.95 THEN class = Lung

Rule 380: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm <= 4.07 AND Lymph_Nodes_Positive > 1.50 AND Lymph_Nodes_Positive > 2.50 AND Lymph_Nodes_Positive <= 9.00 AND Tumor_Size_cm > 0.90 AND Tumor_Size_cm > 2.69 AND BMI <= 21.10 AND Age > 61.50 THEN class = Prostate

Rule 381: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm <= 4.07 AND Lymph_Nodes_Positive > 1.50

AND Lymph_Nodes_Positive > 2.50 AND Lymph_Nodes_Positive <= 9.00 AND Tumor_Size_cm > 0.90 AND Tumor_Size_cm > 2.69 AND BMI > 21.10 AND Survival_Months <= 28.50 AND Lymph_Nodes_Examined <= 14.50 THEN class = Breast

Rule 382: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm <= 4.07 AND Lymph_Nodes_Positive > 1.50 AND Lymph_Nodes_Positive > 2.50 AND Lymph_Nodes_Positive <= 9.00 AND Tumor_Size_cm > 0.90 AND Tumor_Size_cm > 2.69 AND BMI > 21.10 AND Survival_Months <= 28.50 AND Lymph_Nodes_Examined > 14.50 THEN class = Prostate

Rule 383: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm <= 4.07 AND Lymph_Nodes_Positive > 1.50 AND Lymph_Nodes_Positive > 2.50 AND Lymph_Nodes_Positive <= 9.00 AND Tumor_Size_cm > 0.90 AND Tumor_Size_cm > 2.69 AND BMI > 21.10 AND Survival_Months > 28.50 AND Lymph_Nodes_Examined <= 11.50 THEN class = Breast

Rule 384: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm <= 4.07 AND Lymph_Nodes_Positive > 1.50 AND Lymph_Nodes_Positive > 2.50 AND Lymph_Nodes_Positive <= 9.00 AND Tumor_Size_cm > 0.90 AND Tumor_Size_cm > 2.69 AND BMI > 21.10 AND Survival_Months > 28.50 AND Lymph_Nodes_Examined > 11.50 THEN class = Skin

Rule 385: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm <= 4.07 AND Lymph_Nodes_Positive > 1.50 AND Lymph_Nodes_Positive > 2.50 AND Lymph_Nodes_Positive > 9.00 AND Tumor_Size_cm <= 0.63 THEN class = Prostate

Rule 386: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm <= 4.07 AND Lymph_Nodes_Positive > 1.50 AND Lymph_Nodes_Positive > 2.50 AND Lymph_Nodes_Positive > 9.00 AND Tumor_Size_cm > 0.63 AND BMI <= 23.50 AND BMI <= 17.50 THEN class = Lung

Rule 387: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm <= 4.07 AND Lymph_Nodes_Positive > 1.50 AND Lymph_Nodes_Positive > 2.50 AND Lymph_Nodes_Positive > 9.00 AND Tumor_Size_cm > 0.63 AND BMI <= 23.50 AND BMI > 17.50 THEN class = Skin

Rule 388: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50

AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm <= 4.07 AND Lymph_Nodes_Positive > 1.50 AND Lymph_Nodes_Positive > 2.50 AND Lymph_Nodes_Positive > 9.00 AND Tumor_Size_cm > 0.63 AND BMI > 23.50 AND Survival_Months <= 48.50 AND Survival_Months <= 25.00 AND Age <= 47.00 THEN class = Prostate

Rule 389: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm <= 4.07 AND Lymph_Nodes_Positive > 1.50 AND Lymph_Nodes_Positive > 2.50 AND Lymph_Nodes_Positive > 9.00 AND Tumor_Size_cm > 0.63 AND BMI > 23.50 AND Survival_Months <= 48.50 AND Survival_Months <= 25.00 AND Age > 47.00 THEN class = Lung

Rule 390: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm <= 4.07 AND Lymph_Nodes_Positive > 1.50 AND Lymph_Nodes_Positive > 2.50 AND Lymph_Nodes_Positive > 9.00 AND Tumor_Size_cm > 0.63 AND BMI > 23.50 AND Survival_Months <= 48.50 AND Survival_Months > 25.00 THEN class = Lung

Rule 391: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm <= 4.07 AND Lymph_Nodes_Positive > 1.50 AND Lymph_Nodes_Positive > 2.50 AND Lymph_Nodes_Positive > 9.00 AND Tumor_Size_cm > 0.63 AND BMI > 23.50 AND Survival_Months > 48.50 THEN class = Skin

Rule 392: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm > 4.07 AND BMI <= 13.45 THEN class = Colon

Rule 393: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm > 4.07 AND BMI > 13.45 AND Lymph_Nodes_Examined <= 13.50 AND Lymph_Nodes_Examined <= 10.50 AND Survival_Months <= 37.00 AND BMI <= 26.25 AND Survival_Months <= 29.50 AND Lymph_Nodes_Positive <= 1.00 THEN class = Breast

Rule 394: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm > 4.07 AND BMI > 13.45 AND Lymph_Nodes_Examined <= 13.50 AND Lymph_Nodes_Examined <= 10.50 AND Survival_Months <= 37.00 AND BMI <= 26.25 AND Survival_Months <= 29.50 AND Lymph_Nodes_Positive > 1.00 THEN class = Lung

Rule 395: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm > 4.07 AND BMI > 13.45 AND Lymph_Nodes_Examined <= 13.50 AND Lymph_Nodes_Examined <= 10.50 AND Survival_Months <= 37.00 AND BMI <= 26.25 AND Survival_Months > 29.50 THEN class = Leukemia

Rule 396: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm > 4.07 AND BMI > 13.45 AND Lymph_Nodes_Examined <= 13.50 AND Lymph_Nodes_Examined <= 10.50 AND Survival_Months <= 37.00 AND BMI > 26.25 THEN class = Breast

Rule 397: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm > 4.07 AND BMI > 13.45 AND Lymph_Nodes_Examined <= 13.50 AND Lymph_Nodes_Examined <= 10.50 AND Survival_Months > 37.00 THEN class = Colon

Rule 398: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm > 4.07 AND BMI > 13.45 AND Lymph_Nodes_Examined <= 13.50 AND Lymph_Nodes_Examined > 10.50 AND Lymph_Nodes_Positive <= 10.50 AND Age <= 43.50 AND Age <= 29.00 AND BMI <= 22.75 THEN class = Breast

Rule 399: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm > 4.07 AND BMI > 13.45 AND Lymph_Nodes_Examined <= 13.50 AND Lymph_Nodes_Examined > 10.50 AND Lymph_Nodes_Positive <= 10.50 AND Age <= 43.50 AND Age <= 29.00 AND BMI > 22.75 AND Lymph_Nodes_Examined <= 12.50 THEN class = Skin

Rule 400: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm > 4.07 AND BMI > 13.45 AND Lymph_Nodes_Examined <= 13.50 AND Lymph_Nodes_Examined > 10.50 AND Lymph_Nodes_Positive <= 10.50 AND Age <= 43.50 AND Age <= 29.00 AND BMI > 22.75 AND Lymph_Nodes_Examined > 12.50 THEN class = Prostate

Rule 401: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm > 4.07 AND BMI > 13.45 AND Lymph_Nodes_Examined <= 13.50 AND Lymph_Nodes_Examined > 10.50 AND

Lymph_Nodes_Positive <= 10.50 AND Age <= 43.50 AND Age > 29.00 AND Lymph_Nodes_Positive <= 9.50 AND Tumor_Size_cm <= 4.97 AND BMI <= 22.30 THEN class = Skin

Rule 402: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm > 4.07 AND BMI > 13.45 AND Lymph_Nodes_Examined <= 13.50 AND Lymph_Nodes_Examined > 10.50 AND Lymph_Nodes_Positive <= 10.50 AND Age <= 43.50 AND Age > 29.00 AND Lymph_Nodes_Positive <= 9.50 AND Tumor_Size_cm <= 4.97 AND BMI > 22.30 THEN class = Colon

Rule 403: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm > 4.07 AND BMI > 13.45 AND Lymph_Nodes_Examined <= 13.50 AND Lymph_Nodes_Examined > 10.50 AND Lymph_Nodes_Positive <= 10.50 AND Age <= 43.50 AND Age > 29.00 AND Lymph_Nodes_Positive <= 9.50 AND Tumor_Size_cm > 4.97 AND Survival_Months <= 39.50 THEN class = Skin

Rule 404: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm > 4.07 AND BMI > 13.45 AND Lymph_Nodes_Examined <= 13.50 AND Lymph_Nodes_Examined > 10.50 AND Lymph_Nodes_Positive <= 10.50 AND Age <= 43.50 AND Age > 29.00 AND Lymph_Nodes_Positive <= 9.50 AND Tumor_Size_cm > 4.97 AND Survival_Months > 39.50 AND Survival_Months <= 42.00 THEN class = Lung

Rule 405: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm > 4.07 AND BMI > 13.45 AND Lymph_Nodes_Examined <= 13.50 AND Lymph_Nodes_Examined > 10.50 AND Lymph_Nodes_Positive <= 10.50 AND Age <= 43.50 AND Age > 29.00 AND Lymph_Nodes_Positive <= 9.50 AND Tumor_Size_cm > 4.97 AND Survival_Months > 39.50 AND Survival_Months > 42.00 THEN class = Skin

Rule 406: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm > 4.07 AND BMI > 13.45 AND Lymph_Nodes_Examined <= 13.50 AND Lymph_Nodes_Examined > 10.50 AND Lymph_Nodes_Positive <= 10.50 AND Age <= 43.50 AND Age > 29.00 AND Lymph_Nodes_Positive > 9.50 THEN class = Prostate

Rule 407: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm > 4.07 AND BMI > 13.45 AND Lymph_Nodes_Examined <= 13.50 AND Lymph_Nodes_Examined > 10.50 AND

Lymph_Nodes_Positive <= 10.50 AND Age > 43.50 AND BMI <= 22.25 AND Lymph_Nodes_Examined <= 11.50 THEN class = Lung

Rule 408: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm > 4.07 AND BMI > 13.45 AND Lymph_Nodes_Examined <= 13.50 AND Lymph_Nodes_Examined > 10.50 AND Lymph_Nodes_Positive <= 10.50 AND Age > 43.50 AND BMI <= 22.25 AND Lymph_Nodes_Examined > 11.50 THEN class = Skin

Rule 409: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm > 4.07 AND BMI > 13.45 AND Lymph_Nodes_Examined <= 13.50 AND Lymph_Nodes_Examined > 10.50 AND Lymph_Nodes_Positive <= 10.50 AND Age > 43.50 AND BMI > 22.25 AND Age <= 54.00 AND Lymph_Nodes_Positive <= 8.50 THEN class = Leukemia

Rule 410: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm > 4.07 AND BMI > 13.45 AND Lymph_Nodes_Examined <= 13.50 AND Lymph_Nodes_Examined > 10.50 AND Lymph_Nodes_Positive <= 10.50 AND Age > 43.50 AND BMI > 22.25 AND Age <= 54.00 AND Lymph_Nodes_Positive > 8.50 THEN class = Breast

Rule 411: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm > 4.07 AND BMI > 13.45 AND Lymph_Nodes_Examined <= 13.50 AND Lymph_Nodes_Examined > 10.50 AND Lymph_Nodes_Positive <= 10.50 AND Age > 43.50 AND BMI > 22.25 AND Age > 54.00 THEN class = Prostate

Rule 412: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm > 4.07 AND BMI > 13.45 AND Lymph_Nodes_Examined <= 13.50 AND Lymph_Nodes_Examined > 10.50 AND Lymph_Nodes_Positive > 10.50 AND BMI <= 25.60 THEN class = Leukemia

Rule 413: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm > 4.07 AND BMI > 13.45 AND Lymph_Nodes_Examined <= 13.50 AND Lymph_Nodes_Examined > 10.50 AND Lymph_Nodes_Positive > 10.50 AND BMI > 25.60 THEN class = Colon

Rule 414: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50

AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm > 4.07 AND BMI > 13.45 AND Lymph_Nodes_Examined > 13.50 AND Survival_Months <= 29.50 AND Age <= 44.00 AND Age <= 29.50 AND BMI <= 21.35 THEN class = Lung

Rule 415: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm > 4.07 AND BMI > 13.45 AND Lymph_Nodes_Examined > 13.50 AND Survival_Months <= 29.50 AND Age <= 44.00 AND Age <= 29.50 AND BMI > 21.35 THEN class = Skin

Rule 416: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm > 4.07 AND BMI > 13.45 AND Lymph_Nodes_Examined > 13.50 AND Survival_Months <= 29.50 AND Age <= 44.00 AND Age > 29.50 AND Tumor_Size_cm <= 4.56 THEN class = Colon

Rule 417: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm > 4.07 AND BMI > 13.45 AND Lymph_Nodes_Examined > 13.50 AND Survival_Months <= 29.50 AND Age <= 44.00 AND Age > 29.50 AND Tumor_Size_cm > 4.56 THEN class = Lung

Rule 418: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm > 4.07 AND BMI > 13.45 AND Lymph_Nodes_Examined > 13.50 AND Survival_Months <= 29.50 AND Age > 44.00 AND Age <= 50.50 THEN class = Leukemia

Rule 419: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm > 4.07 AND BMI > 13.45 AND Lymph_Nodes_Examined > 13.50 AND Survival_Months <= 29.50 AND Age > 44.00 AND Age > 50.50 AND Age <= 55.50 THEN class = Breast

Rule 420: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm > 4.07 AND BMI > 13.45 AND Lymph_Nodes_Examined > 13.50 AND Survival_Months <= 29.50 AND Age > 44.00 AND Age > 50.50 AND Age > 55.50 AND Survival_Months <= 23.00 THEN class = Prostate

Rule 421: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm > 4.07 AND BMI > 13.45 AND

Lymph_Nodes_Examined > 13.50 AND Survival_Months <= 29.50 AND Age > 44.00 AND Age > 50.50 AND Age > 55.50 AND Survival_Months > 23.00 THEN class = Lung

Rule 422: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm > 4.07 AND BMI > 13.45 AND Lymph_Nodes_Examined > 13.50 AND Survival_Months > 29.50 AND Survival_Months <= 41.50 AND BMI <= 24.50 AND Survival_Months <= 30.50 THEN class = Colon

Rule 423: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm > 4.07 AND BMI > 13.45 AND Lymph_Nodes_Examined > 13.50 AND Survival_Months > 29.50 AND Survival_Months <= 41.50 AND BMI <= 24.50 AND Survival_Months > 30.50 AND Age <= 22.50 THEN class = Leukemia

Rule 424: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm > 4.07 AND BMI > 13.45 AND Lymph_Nodes_Examined > 13.50 AND Survival_Months > 29.50 AND Survival_Months <= 41.50 AND BMI <= 24.50 AND Survival_Months > 30.50 AND Age > 22.50 AND BMI <= 21.70 AND Lymph_Nodes_Positive <= 5.00 THEN class = Breast

Rule 425: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm > 4.07 AND BMI > 13.45 AND Lymph_Nodes_Examined > 13.50 AND Survival_Months > 29.50 AND Survival_Months <= 41.50 AND BMI <= 24.50 AND Survival_Months > 30.50 AND Age > 22.50 AND BMI <= 21.70 AND Lymph_Nodes_Positive > 5.00 AND Age <= 33.00 THEN class = Breast

Rule 426: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm > 4.07 AND BMI > 13.45 AND Lymph_Nodes_Examined > 13.50 AND Survival_Months > 29.50 AND Survival_Months <= 41.50 AND BMI <= 24.50 AND Survival_Months > 30.50 AND Age > 22.50 AND BMI <= 21.70 AND Lymph_Nodes_Positive > 5.00 AND Age > 33.00 THEN class = Prostate

Rule 427: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm > 4.07 AND BMI > 13.45 AND Lymph_Nodes_Examined > 13.50 AND Survival_Months > 29.50 AND Survival_Months <= 41.50 AND BMI <= 24.50 AND Survival_Months > 30.50 AND Age > 22.50 AND BMI > 21.70 AND Age <= 53.00 THEN class = Breast

Rule 428: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50

AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm > 4.07 AND BMI > 13.45 AND Lymph_Nodes_Examined > 13.50 AND Survival_Months > 29.50 AND Survival_Months <= 41.50 AND BMI <= 24.50 AND Survival_Months > 30.50 AND Age > 22.50 AND BMI > 21.70 AND Age > 53.00 AND Lymph_Nodes_Examined <= 16.00 THEN class = Leukemia

Rule 429: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm > 4.07 AND BMI > 13.45 AND Lymph_Nodes_Examined > 13.50 AND Survival_Months > 29.50 AND Survival_Months <= 41.50 AND BMI <= 24.50 AND Survival_Months > 30.50 AND Age > 22.50 AND BMI > 21.70 AND Age > 53.00 AND Lymph_Nodes_Examined > 16.00 THEN class = Breast

Rule 430: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm > 4.07 AND BMI > 13.45 AND Lymph_Nodes_Examined > 13.50 AND Survival_Months > 29.50 AND Survival_Months <= 41.50 AND BMI > 24.50 AND BMI <= 27.20 AND Age <= 45.50 AND Age <= 23.00 THEN class = Lung

Rule 431: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm > 4.07 AND BMI > 13.45 AND Lymph_Nodes_Examined > 13.50 AND Survival_Months > 29.50 AND Survival_Months <= 41.50 AND BMI > 24.50 AND BMI <= 27.20 AND Age <= 45.50 AND Age > 23.00 THEN class = Colon

Rule 432: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm > 4.07 AND BMI > 13.45 AND Lymph_Nodes_Examined > 13.50 AND Survival_Months > 29.50 AND Survival_Months <= 41.50 AND BMI > 24.50 AND BMI <= 27.20 AND Age > 45.50 THEN class = Prostate

Rule 433: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm > 4.07 AND BMI > 13.45 AND Lymph_Nodes_Examined > 13.50 AND Survival_Months > 29.50 AND Survival_Months <= 41.50 AND BMI > 24.50 AND BMI > 27.20 AND Tumor_Size_cm <= 5.26 THEN class = Lung

Rule 434: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm > 4.07 AND BMI > 13.45 AND Lymph_Nodes_Examined > 13.50 AND Survival_Months > 29.50 AND Survival_Months <= 41.50 AND BMI > 24.50 AND BMI > 27.20 AND Tumor_Size_cm > 5.26 AND Age <= 26.00 THEN class = Skin

Rule 435: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50

AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm > 4.07 AND BMI > 13.45 AND Lymph_Nodes_Examined > 13.50 AND Survival_Months > 29.50 AND Survival_Months <= 41.50 AND BMI > 24.50 AND BMI > 27.20 AND Tumor_Size_cm > 5.26 AND Age > 26.00 AND Age <= 35.50 THEN class = Breast

Rule 436: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm > 4.07 AND BMI > 13.45 AND Lymph_Nodes_Examined > 13.50 AND Survival_Months > 29.50 AND Survival_Months <= 41.50 AND BMI > 24.50 AND BMI > 27.20 AND Tumor_Size_cm > 5.26 AND Age > 26.00 AND Age > 35.50 AND Age <= 57.00 THEN class = Leukemia

Rule 437: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm > 4.07 AND BMI > 13.45 AND Lymph_Nodes_Examined > 13.50 AND Survival_Months > 29.50 AND Survival_Months <= 41.50 AND BMI > 24.50 AND BMI > 27.20 AND Tumor_Size_cm > 5.26 AND Age > 26.00 AND Age > 35.50 AND Age > 57.00 THEN class = Breast

Rule 438: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm > 4.07 AND BMI > 13.45 AND Lymph_Nodes_Examined > 13.50 AND Survival_Months > 29.50 AND Survival_Months > 41.50 AND Age <= 23.00 THEN class = Prostate

Rule 439: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm > 4.07 AND BMI > 13.45 AND Lymph_Nodes_Examined > 13.50 AND Survival_Months > 29.50 AND Survival_Months > 41.50 AND Age > 23.00 AND Lymph_Nodes_Positive <= 1.00 THEN class = Skin

Rule 440: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm > 4.07 AND BMI > 13.45 AND Lymph_Nodes_Examined > 13.50 AND Survival_Months > 29.50 AND Survival_Months > 41.50 AND Age > 23.00 AND Lymph_Nodes_Positive > 1.00 AND Age <= 53.00 AND Lymph_Nodes_Positive <= 4.50 AND Lymph_Nodes_Positive <= 2.50 AND Survival_Months <= 42.50 THEN class = Lung

Rule 441: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm > 4.07 AND BMI > 13.45 AND Lymph_Nodes_Examined > 13.50 AND Survival_Months > 29.50 AND Survival_Months > 41.50 AND

Age > 23.00 AND Lymph_Nodes_Positive > 1.00 AND Age <= 53.00 AND Lymph_Nodes_Positive <= 4.50 AND Lymph_Nodes_Positive <= 2.50 AND Survival_Months > 42.50 THEN class = Breast

Rule 442: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm > 4.07 AND BMI > 13.45 AND Lymph_Nodes_Examined > 13.50 AND Survival_Months > 29.50 AND Survival_Months > 41.50 AND Age > 23.00 AND Lymph_Nodes_Positive > 1.00 AND Age <= 53.00 AND Lymph_Nodes_Positive <= 4.50 AND Lymph_Nodes_Positive > 2.50 THEN class = Lung

Rule 443: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm > 4.07 AND BMI > 13.45 AND Lymph_Nodes_Examined > 13.50 AND Survival_Months > 29.50 AND Survival_Months > 41.50 AND Age > 23.00 AND Lymph_Nodes_Positive > 1.00 AND Age <= 53.00 AND Lymph_Nodes_Positive > 4.50 AND BMI <= 29.10 THEN class = Leukemia

Rule 444: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm > 4.07 AND BMI > 13.45 AND Lymph_Nodes_Examined > 13.50 AND Survival_Months > 29.50 AND Survival_Months > 41.50 AND Age > 23.00 AND Lymph_Nodes_Positive > 1.00 AND Age <= 53.00 AND Lymph_Nodes_Positive > 4.50 AND BMI > 29.10 THEN class = Breast

Rule 445: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age <= 62.50 AND Survival_Months > 21.50 AND Tumor_Size_cm > 4.07 AND BMI > 13.45 AND Lymph_Nodes_Examined > 13.50 AND Survival_Months > 29.50 AND Survival_Months > 41.50 AND Age > 23.00 AND Lymph_Nodes_Positive > 1.00 AND Age > 53.00 THEN class = Lung

Rule 446: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm <= 8.98 AND Age <= 84.50 AND Age <= 70.50 AND Lymph_Nodes_Examined <= 14.50 AND Tumor_Size_cm <= 7.34 AND Tumor_Size_cm <= 5.11 AND Age <= 63.50 THEN class = Colon

Rule 447: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm <= 8.98 AND Age <= 84.50 AND Age <= 70.50 AND Lymph_Nodes_Examined <= 14.50 AND Tumor_Size_cm <= 7.34 AND Tumor_Size_cm <= 5.11 AND Age > 63.50 AND Lymph_Nodes_Positive <= 10.00 AND Lymph_Nodes_Examined <= 12.50 THEN class = Leukemia

Rule 448: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50

AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm <= 8.98 AND Age <= 84.50 AND Age <= 70.50 AND Lymph_Nodes_Examined <= 14.50 AND Tumor_Size_cm <= 7.34 AND Tumor_Size_cm <= 5.11 AND Age > 63.50 AND Lymph_Nodes_Positive <= 10.00 AND Lymph_Nodes_Examined > 12.50 AND Lymph_Nodes_Examined <= 13.50 THEN class = Lung

Rule 449: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm <= 8.98 AND Age <= 84.50 AND Age <= 70.50 AND Lymph_Nodes_Examined <= 14.50 AND Tumor_Size_cm <= 7.34 AND Tumor_Size_cm <= 5.11 AND Age > 63.50 AND Lymph_Nodes_Positive <= 10.00 AND Lymph_Nodes_Examined > 12.50 AND Lymph_Nodes_Examined > 13.50 THEN class = Leukemia

Rule 450: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm <= 8.98 AND Age <= 84.50 AND Age <= 70.50 AND Lymph_Nodes_Examined <= 14.50 AND Tumor_Size_cm <= 7.34 AND Tumor_Size_cm <= 5.11 AND Age > 63.50 AND Lymph_Nodes_Positive > 10.00 AND Lymph_Nodes_Examined <= 12.50 AND BMI <= 22.90 THEN class = Breast

Rule 451: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm <= 8.98 AND Age <= 84.50 AND Age <= 70.50 AND Lymph_Nodes_Examined <= 14.50 AND Tumor_Size_cm <= 7.34 AND Tumor_Size_cm <= 5.11 AND Age > 63.50 AND Lymph_Nodes_Positive > 10.00 AND Lymph_Nodes_Examined <= 12.50 AND BMI > 22.90 THEN class = Leukemia

Rule 452: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm <= 8.98 AND Age <= 84.50 AND Age <= 70.50 AND Lymph_Nodes_Examined <= 14.50 AND Tumor_Size_cm <= 7.34 AND Tumor_Size_cm <= 5.11 AND Age > 63.50 AND Lymph_Nodes_Positive > 10.00 AND Lymph_Nodes_Examined > 12.50 THEN class = Colon

Rule 453: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm <= 8.98 AND Age <= 84.50 AND Age <= 70.50 AND Lymph_Nodes_Examined <= 14.50 AND Tumor_Size_cm <= 7.34 AND Tumor_Size_cm > 5.11 AND Survival_Months <= 35.50 AND Lymph_Nodes_Examined <= 13.50 AND Lymph_Nodes_Positive <= 8.50 THEN class = Colon

Rule 454: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm <= 8.98 AND Age <= 84.50 AND Age <= 70.50 AND

Lymph_Nodes_Examined <= 14.50 AND Tumor_Size_cm <= 7.34 AND Tumor_Size_cm > 5.11 AND Survival_Months <= 35.50 AND Lymph_Nodes_Examined <= 13.50 AND Lymph_Nodes_Positive > 8.50 THEN class = Breast

Rule 455: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm <= 8.98 AND Age <= 84.50 AND Age <= 70.50 AND Lymph_Nodes_Examined <= 14.50 AND Tumor_Size_cm <= 7.34 AND Tumor_Size_cm > 5.11 AND Survival_Months <= 35.50 AND Lymph_Nodes_Examined > 13.50 THEN class = Breast

Rule 456: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm <= 8.98 AND Age <= 84.50 AND Age <= 70.50 AND Lymph_Nodes_Examined <= 14.50 AND Tumor_Size_cm <= 7.34 AND Tumor_Size_cm > 5.11 AND Survival_Months > 35.50 AND Age <= 66.50 THEN class = Breast

Rule 457: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm <= 8.98 AND Age <= 84.50 AND Age <= 70.50 AND Lymph_Nodes_Examined <= 14.50 AND Tumor_Size_cm <= 7.34 AND Tumor_Size_cm > 5.11 AND Survival_Months > 35.50 AND Age > 66.50 THEN class = Skin

Rule 458: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm <= 8.98 AND Age <= 84.50 AND Age <= 70.50 AND Lymph_Nodes_Examined <= 14.50 AND Tumor_Size_cm > 7.34 THEN class = Colon

Rule 459: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm <= 8.98 AND Age <= 84.50 AND Age <= 70.50 AND Lymph_Nodes_Examined > 14.50 AND BMI <= 23.20 AND Survival_Months <= 25.00 AND Lymph_Nodes_Positive <= 7.00 THEN class = Colon

Rule 460: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm <= 8.98 AND Age <= 84.50 AND Age <= 70.50 AND Lymph_Nodes_Examined > 14.50 AND BMI <= 23.20 AND Survival_Months <= 25.00 AND Lymph_Nodes_Positive > 7.00 AND BMI <= 19.90 THEN class = Lung

Rule 461: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm <= 8.98 AND Age <= 84.50 AND Age <= 70.50 AND Lymph_Nodes_Examined > 14.50 AND BMI <= 23.20 AND Survival_Months <= 25.00 AND Lymph_Nodes_Positive > 7.00 AND BMI > 19.90 THEN class = Prostate

Rule 462: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm <= 8.98 AND Age <= 84.50 AND Age <= 70.50 AND Lymph_Nodes_Examined > 14.50 AND BMI <= 23.20 AND Survival_Months > 25.00 AND Lymph_Nodes_Positive <= 2.00 THEN class = Colon

Rule 463: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm <= 8.98 AND Age <= 84.50 AND Age <= 70.50 AND Lymph_Nodes_Examined > 14.50 AND BMI <= 23.20 AND Survival_Months > 25.00 AND Lymph_Nodes_Positive > 2.00 THEN class = Skin

Rule 464: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm <= 8.98 AND Age <= 84.50 AND Age <= 70.50 AND Lymph_Nodes_Examined > 14.50 AND BMI > 23.20 AND Age <= 69.50 AND Tumor_Size_cm <= 4.43 AND Age <= 66.00 THEN class = Leukemia

Rule 465: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm <= 8.98 AND Age <= 84.50 AND Age <= 70.50 AND Lymph_Nodes_Examined > 14.50 AND BMI > 23.20 AND Age <= 69.50 AND Tumor_Size_cm <= 4.43 AND Age > 66.00 AND Survival_Months <= 23.00 THEN class = Lung

Rule 466: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm <= 8.98 AND Age <= 84.50 AND Age <= 70.50 AND Lymph_Nodes_Examined > 14.50 AND BMI > 23.20 AND Age <= 69.50 AND Tumor_Size_cm <= 4.43 AND Age > 66.00 AND Survival_Months > 23.00 THEN class = Breast

Rule 467: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm <= 8.98 AND Age <= 84.50 AND Age <= 70.50 AND Lymph_Nodes_Examined > 14.50 AND BMI > 23.20 AND Age <= 69.50 AND Tumor_Size_cm > 4.43 THEN class = Lung

Rule 468: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm <= 8.98 AND Age <= 84.50 AND Age <= 70.50 AND Lymph_Nodes_Examined > 14.50 AND BMI > 23.20 AND Age > 69.50 AND Tumor_Size_cm <= 3.98 THEN class = Colon

Rule 469: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50

AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm <= 8.98 AND Age <= 84.50 AND Age <= 70.50 AND Lymph_Nodes_Examined > 14.50 AND BMI > 23.20 AND Age > 69.50 AND Tumor_Size_cm > 3.98 AND BMI <= 26.70 THEN class = Leukemia

Rule 470: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm <= 8.98 AND Age <= 84.50 AND Age <= 70.50 AND Lymph_Nodes_Examined > 14.50 AND BMI > 23.20 AND Age > 69.50 AND Tumor_Size_cm > 3.98 AND BMI > 26.70 THEN class = Prostate

Rule 471: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm <= 8.98 AND Age <= 84.50 AND Age > 70.50 AND BMI <= 20.20 AND Survival_Months <= 20.50 THEN class = Breast

Rule 472: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm <= 8.98 AND Age <= 84.50 AND Age > 70.50 AND BMI <= 20.20 AND Survival_Months > 20.50 AND Tumor_Size_cm <= 8.67 AND Tumor_Size_cm <= 1.30 AND Lymph_Nodes_Examined <= 17.50 THEN class = Leukemia

Rule 473: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm <= 8.98 AND Age <= 84.50 AND Age > 70.50 AND BMI <= 20.20 AND Survival_Months > 20.50 AND Tumor_Size_cm <= 8.67 AND Tumor_Size_cm <= 1.30 AND Lymph_Nodes_Examined > 17.50 THEN class = Prostate

Rule 474: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm <= 8.98 AND Age <= 84.50 AND Age > 70.50 AND BMI <= 20.20 AND Survival_Months > 20.50 AND Tumor_Size_cm <= 8.67 AND Tumor_Size_cm > 1.30 THEN class = Prostate

Rule 475: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm <= 8.98 AND Age <= 84.50 AND Age > 70.50 AND BMI <= 20.20 AND Survival_Months > 20.50 AND Tumor_Size_cm > 8.67 THEN class = Lung

Rule 476: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm <= 8.98 AND Age <= 84.50 AND Age > 70.50 AND BMI > 20.20 AND Survival_Months <= 18.00 AND Survival_Months <= 14.00 AND Tumor_Size_cm <= 6.06 THEN class = Colon

Rule 477: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm <= 8.98 AND Age <= 84.50 AND Age > 70.50 AND BMI > 20.20 AND Survival_Months <= 18.00 AND Survival_Months <= 14.00 AND Tumor_Size_cm > 6.06 AND BMI <= 25.80 THEN class = Prostate

Rule 478: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm <= 8.98 AND Age <= 84.50 AND Age > 70.50 AND BMI > 20.20 AND Survival_Months <= 18.00 AND Survival_Months <= 14.00 AND Tumor_Size_cm > 6.06 AND BMI > 25.80 THEN class = Lung

Rule 479: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm <= 8.98 AND Age <= 84.50 AND Age > 70.50 AND BMI > 20.20 AND Survival_Months <= 18.00 AND Survival_Months > 14.00 AND BMI <= 22.40 AND Age <= 80.50 THEN class = Breast

Rule 480: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm <= 8.98 AND Age <= 84.50 AND Age > 70.50 AND BMI > 20.20 AND Survival_Months <= 18.00 AND Survival_Months > 14.00 AND BMI <= 22.40 AND Age > 80.50 THEN class = Skin

Rule 481: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm <= 8.98 AND Age <= 84.50 AND Age > 70.50 AND BMI > 20.20 AND Survival_Months <= 18.00 AND Survival_Months > 14.00 AND BMI > 22.40 THEN class = Skin

Rule 482: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm <= 8.98 AND Age <= 84.50 AND Age > 70.50 AND BMI > 20.20 AND Survival_Months > 18.00 AND Survival_Months <= 26.50 AND BMI <= 26.20 AND Survival_Months <= 20.00 THEN class = Breast

Rule 483: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm <= 8.98 AND Age <= 84.50 AND Age > 70.50 AND BMI > 20.20 AND Survival_Months > 18.00 AND Survival_Months <= 26.50 AND BMI <= 26.20 AND Survival_Months > 20.00 AND Age <= 71.50 THEN class = Leukemia

Rule 484: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age >

62.50 AND Tumor_Size_cm <= 8.98 AND Age <= 84.50 AND Age > 70.50 AND BMI > 20.20 AND Survival_Months > 18.00 AND Survival_Months <= 26.50 AND BMI <= 26.20 AND Survival_Months > 20.00 AND Age > 71.50 THEN class = Colon

Rule 485: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm <= 8.98 AND Age <= 84.50 AND Age > 70.50 AND BMI > 20.20 AND Survival_Months > 18.00 AND Survival_Months <= 26.50 AND BMI > 26.20 AND BMI <= 28.75 AND BMI <= 27.50 AND Tumor_Size_cm <= 7.72 THEN class = Lung

Rule 486: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm <= 8.98 AND Age <= 84.50 AND Age > 70.50 AND BMI > 20.20 AND Survival_Months > 18.00 AND Survival_Months <= 26.50 AND BMI > 26.20 AND BMI <= 28.75 AND BMI <= 27.50 AND Tumor_Size_cm > 7.72 THEN class = Prostate

Rule 487: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm <= 8.98 AND Age <= 84.50 AND Age > 70.50 AND BMI > 20.20 AND Survival_Months > 18.00 AND Survival_Months <= 26.50 AND BMI > 26.20 AND BMI <= 28.75 AND BMI > 27.50 THEN class = Breast

Rule 488: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm <= 8.98 AND Age <= 84.50 AND Age > 70.50 AND BMI > 20.20 AND Survival_Months > 18.00 AND Survival_Months <= 26.50 AND BMI > 26.20 AND BMI > 28.75 THEN class = Leukemia

Rule 489: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm <= 8.98 AND Age <= 84.50 AND Age > 70.50 AND BMI > 20.20 AND Survival_Months > 18.00 AND Survival_Months > 26.50 AND Tumor_Size_cm <= 7.71 AND Survival_Months <= 32.50 AND Tumor_Size_cm <= 4.11 THEN class = Lung

Rule 490: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm <= 8.98 AND Age <= 84.50 AND Age > 70.50 AND BMI > 20.20 AND Survival_Months > 18.00 AND Survival_Months > 26.50 AND Tumor_Size_cm <= 7.71 AND Survival_Months <= 32.50 AND Tumor_Size_cm > 4.11 THEN class = Breast

Rule 491: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm <= 8.98 AND Age <= 84.50 AND Age > 70.50 AND BMI > 20.20 AND Survival_Months > 18.00 AND Survival_Months > 26.50 AND Tumor_Size_cm <= 7.71 AND

Survival_Months > 32.50 AND Age <= 78.50 AND Lymph_Nodes_Examined <= 14.50 AND Survival_Months <= 41.00 AND BMI <= 24.20 THEN class = Prostate

Rule 492: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm <= 8.98 AND Age <= 84.50 AND Age > 70.50 AND BMI > 20.20 AND Survival_Months > 18.00 AND Survival_Months > 26.50 AND Tumor_Size_cm <= 7.71 AND Survival_Months > 32.50 AND Age <= 78.50 AND Lymph_Nodes_Examined <= 14.50 AND Survival_Months <= 41.00 AND BMI > 24.20 AND Age <= 73.50 THEN class = Colon

Rule 493: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm <= 8.98 AND Age <= 84.50 AND Age > 70.50 AND BMI > 20.20 AND Survival_Months > 18.00 AND Survival_Months > 26.50 AND Tumor_Size_cm <= 7.71 AND Survival_Months > 32.50 AND Age <= 78.50 AND Lymph_Nodes_Examined <= 14.50 AND Survival_Months <= 41.00 AND BMI > 24.20 AND Age > 73.50 THEN class = Skin

Rule 494: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm <= 8.98 AND Age <= 84.50 AND Age > 70.50 AND BMI > 20.20 AND Survival_Months > 18.00 AND Survival_Months > 26.50 AND Tumor_Size_cm <= 7.71 AND Survival_Months > 32.50 AND Age <= 78.50 AND Lymph_Nodes_Examined <= 14.50 AND Survival_Months > 41.00 THEN class = Breast

Rule 495: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm <= 8.98 AND Age <= 84.50 AND Age > 70.50 AND BMI > 20.20 AND Survival_Months > 18.00 AND Survival_Months > 26.50 AND Tumor_Size_cm <= 7.71 AND Survival_Months > 32.50 AND Age <= 78.50 AND Lymph_Nodes_Examined > 14.50 THEN class = Prostate

Rule 496: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm <= 8.98 AND Age <= 84.50 AND Age > 70.50 AND BMI > 20.20 AND Survival_Months > 18.00 AND Survival_Months > 26.50 AND Tumor_Size_cm <= 7.71 AND Survival_Months > 32.50 AND Age > 78.50 AND Lymph_Nodes_Positive <= 11.50 AND Lymph_Nodes_Examined <= 13.00 THEN class = Leukemia

Rule 497: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm <= 8.98 AND Age <= 84.50 AND Age > 70.50 AND BMI > 20.20 AND Survival_Months > 18.00 AND Survival_Months > 26.50 AND Tumor_Size_cm <= 7.71 AND Survival_Months > 32.50 AND Age > 78.50 AND Lymph_Nodes_Positive <= 11.50 AND Lymph_Nodes_Examined > 13.00 AND Lymph_Nodes_Examined <= 16.50 THEN class = Colon

Rule 498: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm <= 8.98 AND Age <= 84.50 AND Age > 70.50 AND BMI > 20.20 AND Survival_Months > 18.00 AND Survival_Months > 26.50 AND Tumor_Size_cm <= 7.71 AND Survival_Months > 32.50 AND Age > 78.50 AND Lymph_Nodes_Positive <= 11.50 AND Lymph_Nodes_Examined > 13.00 AND Lymph_Nodes_Examined > 16.50 THEN class = Leukemia

Rule 499: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm <= 8.98 AND Age <= 84.50 AND Age > 70.50 AND BMI > 20.20 AND Survival_Months > 18.00 AND Survival_Months > 26.50 AND Tumor_Size_cm <= 7.71 AND Survival_Months > 32.50 AND Age > 78.50 AND Lymph_Nodes_Positive > 11.50 THEN class = Breast

Rule 500: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm <= 8.98 AND Age <= 84.50 AND Age > 70.50 AND BMI > 20.20 AND Survival_Months > 18.00 AND Survival_Months > 26.50 AND Tumor_Size_cm > 7.71 THEN class = Prostate

Rule 501: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm <= 8.98 AND Age > 84.50 AND BMI <= 26.10 AND Lymph_Nodes_Examined <= 16.50 AND Age <= 86.00 AND Lymph_Nodes_Positive <= 9.50 THEN class = Lung

Rule 502: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm <= 8.98 AND Age > 84.50 AND BMI <= 26.10 AND Lymph_Nodes_Examined <= 16.50 AND Age <= 86.00 AND Lymph_Nodes_Positive > 9.50 THEN class = Colon

Rule 503: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm <= 8.98 AND Age > 84.50 AND BMI <= 26.10 AND Lymph_Nodes_Examined <= 16.50 AND Age > 86.00 THEN class = Lung

Rule 504: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm <= 8.98 AND Age > 84.50 AND BMI <= 26.10 AND Lymph_Nodes_Examined > 16.50 AND BMI <= 24.40 AND Survival_Months <= 24.50 THEN class = Prostate

Rule 505: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50

AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm <= 8.98 AND Age > 84.50 AND BMI <= 26.10 AND Lymph_Nodes_Examined > 16.50 AND BMI <= 24.40 AND Survival_Months > 24.50 THEN class = Skin

Rule 506: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm <= 8.98 AND Age > 84.50 AND BMI <= 26.10 AND Lymph_Nodes_Examined > 16.50 AND BMI > 24.40 THEN class = Colon

Rule 507: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm <= 8.98 AND Age > 84.50 AND BMI > 26.10 THEN class = Skin

Rule 508: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm > 8.98 AND Lymph_Nodes_Positive <= 9.50 AND Lymph_Nodes_Examined <= 12.50 AND BMI <= 26.35 THEN class = Lung

Rule 509: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm > 8.98 AND Lymph_Nodes_Positive <= 9.50 AND Lymph_Nodes_Examined <= 12.50 AND BMI > 26.35 AND BMI <= 28.95 THEN class = Skin

Rule 510: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm > 8.98 AND Lymph_Nodes_Positive <= 9.50 AND Lymph_Nodes_Examined <= 12.50 AND BMI > 26.35 AND BMI > 28.95 THEN class = Prostate

Rule 511: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm > 8.98 AND Lymph_Nodes_Positive <= 9.50 AND Lymph_Nodes_Examined > 12.50 AND BMI <= 24.25 THEN class = Skin

Rule 512: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm > 8.98 AND Lymph_Nodes_Positive <= 9.50 AND Lymph_Nodes_Examined > 12.50 AND BMI > 24.25 AND BMI <= 27.20 THEN class = Breast

Rule 513: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm > 8.98 AND Lymph_Nodes_Positive <= 9.50 AND Lymph_Nodes_Examined > 12.50 AND BMI > 24.25 AND BMI > 27.20 AND Survival_Months <= 34.50 THEN class = Skin

Rule 514: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm > 8.98 AND Lymph_Nodes_Positive <= 9.50 AND Lymph_Nodes_Examined > 12.50 AND BMI > 24.25 AND BMI > 27.20 AND Survival_Months > 34.50 THEN class = Leukemia

Rule 515: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm > 8.98 AND Lymph_Nodes_Positive > 9.50 AND BMI <= 21.10 AND Survival_Months <= 46.00 THEN class = Leukemia

Rule 516: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm > 8.98 AND Lymph_Nodes_Positive > 9.50 AND BMI <= 21.10 AND Survival_Months > 46.00 THEN class = Lung

Rule 517: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm > 8.98 AND Lymph_Nodes_Positive > 9.50 AND BMI > 21.10 AND Tumor_Size_cm <= 9.75 AND Lymph_Nodes_Examined <= 12.50 THEN class = Prostate

Rule 518: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm > 8.98 AND Lymph_Nodes_Positive > 9.50 AND BMI > 21.10 AND Tumor_Size_cm <= 9.75 AND Lymph_Nodes_Examined > 12.50 THEN class = Lung

Rule 519: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive <= 13.50 AND Age > 62.50 AND Tumor_Size_cm > 8.98 AND Lymph_Nodes_Positive > 9.50 AND BMI > 21.10 AND Tumor_Size_cm > 9.75 THEN class = Prostate

Rule 520: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive > 13.50 AND Survival_Months <= 44.50 AND Tumor_Size_cm <= 7.80 AND Tumor_Size_cm <= 1.22 AND BMI <= 27.95 THEN class = Skin

Rule 521: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive > 13.50 AND Survival_Months <= 44.50 AND Tumor_Size_cm <= 7.80 AND Tumor_Size_cm <= 1.22 AND BMI > 27.95 THEN class = Leukemia

Rule 522: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50

AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive > 13.50 AND Survival_Months <= 44.50 AND Tumor_Size_cm <= 7.80 AND Tumor_Size_cm > 1.22 AND Tumor_Size_cm <= 3.50 AND Lymph_Nodes_Examined <= 14.50 THEN class = Prostate

Rule 523: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive > 13.50 AND Survival_Months <= 44.50 AND Tumor_Size_cm <= 7.80 AND Tumor_Size_cm > 1.22 AND Tumor_Size_cm <= 3.50 AND Lymph_Nodes_Examined > 14.50 AND Age <= 73.50 THEN class = Colon

Rule 524: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive > 13.50 AND Survival_Months <= 44.50 AND Tumor_Size_cm <= 7.80 AND Tumor_Size_cm > 1.22 AND Tumor_Size_cm <= 3.50 AND Lymph_Nodes_Examined > 14.50 AND Age > 73.50 THEN class = Skin

Rule 525: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive > 13.50 AND Survival_Months <= 44.50 AND Tumor_Size_cm <= 7.80 AND Tumor_Size_cm > 1.22 AND Tumor_Size_cm > 3.50 AND Age <= 73.50 AND Lymph_Nodes_Examined <= 17.50 AND Age <= 28.50 THEN class = Skin

Rule 526: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive > 13.50 AND Survival_Months <= 44.50 AND Tumor_Size_cm <= 7.80 AND Tumor_Size_cm > 1.22 AND Tumor_Size_cm > 3.50 AND Age <= 73.50 AND Lymph_Nodes_Examined <= 17.50 AND Age > 28.50 THEN class = Prostate

Rule 527: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive > 13.50 AND Survival_Months <= 44.50 AND Tumor_Size_cm <= 7.80 AND Tumor_Size_cm > 1.22 AND Tumor_Size_cm > 3.50 AND Age <= 73.50 AND Lymph_Nodes_Examined > 17.50 THEN class = Leukemia

Rule 528: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive > 13.50 AND Survival_Months <= 44.50 AND Tumor_Size_cm <= 7.80 AND Tumor_Size_cm > 1.22 AND Tumor_Size_cm > 3.50 AND Age > 73.50 THEN class = Colon

Rule 529: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive > 13.50 AND Survival_Months <= 44.50 AND Tumor_Size_cm > 7.80 AND BMI <= 23.85 THEN class = Skin

Rule 530: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50

AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive > 13.50 AND Survival_Months <= 44.50 AND Tumor_Size_cm > 7.80 AND BMI > 23.85 THEN class = Breast

Rule 531: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive > 13.50 AND Survival_Months > 44.50 AND Age <= 32.00 THEN class = Lung

Rule 532: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months <= 50.50 AND Lymph_Nodes_Positive > 13.50 AND Survival_Months > 44.50 AND Age > 32.00 THEN class = Leukemia

Rule 533: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months > 50.50 AND BMI <= 24.85 AND Tumor_Size_cm <= 6.84 AND Age <= 41.00 THEN class = Colon

Rule 534: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months > 50.50 AND BMI <= 24.85 AND Tumor_Size_cm <= 6.84 AND Age > 41.00 THEN class = Breast

Rule 535: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months > 50.50 AND BMI <= 24.85 AND Tumor_Size_cm > 6.84 THEN class = Colon

Rule 536: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI <= 31.55 AND Survival_Months > 50.50 AND BMI > 24.85 THEN class = Skin

Rule 537: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI > 31.55 AND Survival_Months <= 32.50 AND Tumor_Size_cm <= 2.66 THEN class = Colon

Rule 538: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI > 31.55 AND Survival_Months <= 32.50 AND Tumor_Size_cm > 2.66 THEN class = Leukemia

Rule 539: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive <= 15.50 AND BMI > 31.55 AND Survival_Months > 32.50 THEN class = Colon

Rule 540: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive > 15.50 AND Tumor_Size_cm <= 4.41 AND Lymph_Nodes_Positive <= 17.50 AND Tumor_Size_cm <= 2.01 THEN class = Skin

Rule 541: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive > 15.50 AND Tumor_Size_cm <= 4.41 AND Lymph_Nodes_Positive <= 17.50 AND Tumor_Size_cm > 2.01 AND Survival_Months <= 24.00 THEN class = Lung

Rule 542: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive > 15.50 AND Tumor_Size_cm <= 4.41 AND Lymph_Nodes_Positive <= 17.50 AND Tumor_Size_cm > 2.01 AND Survival_Months > 24.00 THEN class = Colon

Rule 543: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive > 15.50 AND Tumor_Size_cm <= 4.41 AND Lymph_Nodes_Positive > 17.50 THEN class = Leukemia

Rule 544: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive > 15.50 AND Tumor_Size_cm > 4.41 AND Lymph_Nodes_Examined <= 17.50 THEN class = Prostate

Rule 545: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive > 15.50 AND Tumor_Size_cm > 4.41 AND Lymph_Nodes_Examined > 17.50 AND Survival_Months <= 36.00 THEN class = Breast

Rule 546: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive > 15.50 AND Tumor_Size_cm > 4.41 AND Lymph_Nodes_Examined > 17.50 AND Survival_Months > 36.00 AND BMI <= 25.40 THEN class = Breast

Rule 547: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI <= 31.75 AND Survival_Months > 9.50 AND Lymph_Nodes_Positive > 15.50 AND Tumor_Size_cm > 4.41 AND Lymph_Nodes_Examined > 17.50 AND Survival_Months > 36.00 AND BMI > 25.40 THEN class = Lung

Rule 548: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI > 31.75 AND Age <= 58.50 AND Survival_Months <= 15.00 THEN class = Lung

Rule 549: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI > 31.75 AND Age <= 58.50 AND Survival_Months > 15.00 AND Tumor_Size_cm <= 7.02 AND Lymph_Nodes_Examined <= 15.00 THEN class = Skin

Rule 550: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI > 31.75 AND Age <= 58.50 AND Survival_Months > 15.00 AND Tumor_Size_cm <= 7.02 AND Lymph_Nodes_Examined > 15.00 AND BMI <= 32.70 THEN class = Leukemia

Rule 551: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI > 31.75 AND Age <= 58.50 AND Survival_Months > 15.00 AND Tumor_Size_cm <= 7.02 AND Lymph_Nodes_Examined > 15.00 AND BMI > 32.70 THEN class = Prostate

Rule 552: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI > 31.75 AND Age <= 58.50 AND Survival_Months > 15.00 AND Tumor_Size_cm > 7.02 AND Age <= 30.00 THEN class = Skin

Rule 553: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI > 31.75 AND Age <= 58.50 AND Survival_Months > 15.00 AND Tumor_Size_cm > 7.02 AND Age > 30.00 THEN class = Breast

Rule 554: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI > 31.75 AND Age > 58.50 AND Age <= 80.50 THEN class = Skin

Rule 555: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI > 31.75 AND Age > 58.50 AND Age > 80.50 AND Age <= 86.00 THEN class = Leukemia

Rule 556: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI <= 32.85 AND BMI > 31.75 AND Age > 58.50 AND Age > 80.50 AND Age > 86.00 THEN class = Skin

Rule 557: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI > 32.85 AND Tumor_Size_cm <= 8.36 AND BMI <= 35.10 AND BMI <= 34.35 AND BMI <= 33.50 AND Survival_Months <= 30.00 AND Tumor_Size_cm <= 3.16 THEN class = Leukemia

Rule 558: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI > 32.85 AND Tumor_Size_cm <= 8.36 AND BMI <= 35.10 AND BMI <= 34.35 AND BMI <= 33.50 AND Survival_Months <= 30.00 AND Tumor_Size_cm > 3.16 THEN class = Breast

Rule 559: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI > 32.85 AND Tumor_Size_cm <= 8.36 AND BMI <= 35.10 AND BMI <= 34.35 AND BMI <= 33.50 AND Survival_Months > 30.00 THEN class = Prostate

Rule 560: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI > 32.85 AND Tumor_Size_cm <= 8.36 AND BMI <= 35.10 AND BMI <= 34.35 AND BMI > 33.50 AND BMI <= 33.95 THEN class = Lung

Rule 561: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI > 32.85 AND Tumor_Size_cm <= 8.36 AND BMI <= 35.10 AND BMI <= 34.35 AND BMI > 33.50 AND BMI > 33.95 AND Age <= 32.00 THEN class = Colon

Rule 562: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI > 32.85 AND Tumor_Size_cm <= 8.36 AND BMI <= 35.10 AND BMI <= 34.35 AND BMI > 33.50 AND BMI > 33.95 AND Age > 32.00 AND Lymph_Nodes_Positive <= 10.00 THEN class = Breast

Rule 563: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI > 32.85 AND Tumor_Size_cm <= 8.36 AND BMI <= 35.10 AND BMI <= 34.35 AND BMI > 33.50 AND BMI > 33.95 AND Age > 32.00 AND Lymph_Nodes_Positive > 10.00 AND Age <= 40.00 THEN class = Breast

Rule 564: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI > 32.85 AND Tumor_Size_cm <= 8.36 AND BMI <= 35.10 AND BMI <= 34.35 AND BMI > 33.50 AND BMI > 33.95 AND Age > 32.00 AND Lymph_Nodes_Positive > 10.00 AND Age > 40.00 THEN class = Lung

Rule 565: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI > 32.85 AND Tumor_Size_cm <= 8.36 AND BMI <= 35.10 AND BMI > 34.35 THEN class = Breast

Rule 566: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI > 32.85 AND Tumor_Size_cm <= 8.36 AND BMI > 35.10 AND Age <= 76.00 AND Lymph_Nodes_Positive <= 5.00 THEN class = Prostate

Rule 567: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI > 32.85 AND Tumor_Size_cm <= 8.36 AND BMI > 35.10 AND Age <= 76.00 AND Lymph_Nodes_Positive > 5.00 THEN class = Leukemia

Rule 568: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI > 32.85 AND Tumor_Size_cm <= 8.36 AND BMI > 35.10 AND Age > 76.00 THEN class = Skin

Rule 569: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI > 32.85 AND Tumor_Size_cm > 8.36 AND Lymph_Nodes_Examined <= 17.00 THEN class = Lung

Rule 570: IF Age > 19.50 AND Survival_Months <= 51.50 AND Lymph_Nodes_Examined > 9.50 AND BMI > 32.85 AND Tumor_Size_cm > 8.36 AND Lymph_Nodes_Examined > 17.00 THEN class = Skin

Rule 571: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm <= 3.86 AND Tumor_Size_cm <= 2.45 AND BMI <= 18.35 AND Tumor_Size_cm <= 1.65 AND Lymph_Nodes_Positive <= 2.50 AND Lymph_Nodes_Positive <= 1.50 AND Lymph_Nodes_Positive <= 0.50 THEN class = Leukemia

Rule 572: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm <= 3.86 AND Tumor_Size_cm <= 2.45 AND BMI <= 18.35 AND Tumor_Size_cm <= 1.65 AND Lymph_Nodes_Positive <= 2.50 AND Lymph_Nodes_Positive <= 1.50 AND Lymph_Nodes_Positive > 0.50 AND Age <= 40.50 THEN class = Skin

Rule 573: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm <= 3.86 AND Tumor_Size_cm <= 2.45 AND BMI <= 18.35 AND Tumor_Size_cm <= 1.65 AND Lymph_Nodes_Positive <= 2.50 AND Lymph_Nodes_Positive <= 1.50 AND Lymph_Nodes_Positive > 0.50 AND Age > 40.50 THEN class = Lung

Rule 574: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm <= 3.86 AND Tumor_Size_cm <= 2.45 AND BMI <= 18.35 AND Tumor_Size_cm <= 1.65 AND Lymph_Nodes_Positive <= 2.50 AND Lymph_Nodes_Positive > 1.50 THEN class = Leukemia

Rule 575: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm <= 3.86 AND Tumor_Size_cm <= 2.45 AND BMI <= 18.35 AND Tumor_Size_cm <= 1.65 AND Lymph_Nodes_Positive > 2.50 AND Lymph_Nodes_Examined <= 8.00 THEN class = Colon

Rule 576: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm <= 3.86 AND Tumor_Size_cm <= 2.45 AND BMI <= 18.35 AND Tumor_Size_cm <= 1.65 AND Lymph_Nodes_Positive > 2.50 AND Lymph_Nodes_Examined > 8.00 THEN class = Prostate

Rule 577: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm <= 3.86 AND Tumor_Size_cm <= 2.45 AND BMI <= 18.35 AND Tumor_Size_cm > 1.65 AND Tumor_Size_cm <= 2.12 THEN class = Prostate

Rule 578: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm <= 3.86 AND Tumor_Size_cm <= 2.45 AND BMI <= 18.35 AND Tumor_Size_cm > 1.65 AND Tumor_Size_cm > 2.12 THEN class = Leukemia

Rule 579: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm <= 3.86 AND Tumor_Size_cm <= 2.45 AND BMI > 18.35 AND BMI <= 22.20 AND Tumor_Size_cm <= 1.04 AND Age <= 24.00 THEN class = Colon

Rule 580: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm <= 3.86 AND Tumor_Size_cm <= 2.45 AND BMI > 18.35 AND BMI <= 22.20 AND Tumor_Size_cm <= 1.04 AND Age > 24.00 THEN class = Skin

Rule 581: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm <= 3.86 AND Tumor_Size_cm <= 2.45 AND BMI > 18.35 AND BMI <= 22.20 AND Tumor_Size_cm > 1.04 AND Age <= 42.00 AND Survival_Months <= 78.50 THEN class = Lung

Rule 582: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm <= 3.86 AND Tumor_Size_cm <= 2.45 AND BMI > 18.35 AND BMI <= 22.20 AND Tumor_Size_cm > 1.04 AND Age <= 42.00 AND Survival_Months > 78.50 AND Lymph_Nodes_Examined <= 8.50 THEN class = Prostate

Rule 583: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm <= 3.86 AND Tumor_Size_cm <= 2.45 AND BMI > 18.35 AND BMI <= 22.20 AND Tumor_Size_cm > 1.04 AND Age <= 42.00 AND Survival_Months > 78.50 AND Lymph_Nodes_Examined > 8.50 THEN class = Colon

Rule 584: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm <= 3.86 AND Tumor_Size_cm <= 2.45 AND BMI > 18.35 AND BMI <= 22.20 AND Tumor_Size_cm > 1.04 AND Age > 42.00 AND Survival_Months <= 61.00 THEN class = Skin

Rule 585: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm <= 3.86 AND Tumor_Size_cm <= 2.45 AND BMI > 18.35 AND BMI <= 22.20 AND Tumor_Size_cm > 1.04 AND Age > 42.00 AND Survival_Months > 61.00 THEN class = Colon

Rule 586: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm <= 3.86 AND Tumor_Size_cm <= 2.45 AND BMI > 18.35 AND BMI > 22.20 THEN class = Leukemia

Rule 587: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm <= 3.86 AND Tumor_Size_cm > 2.45 AND Lymph_Nodes_Examined <= 0.50 AND Survival_Months <= 68.00 THEN class = Lung

Rule 588: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm <= 3.86 AND Tumor_Size_cm > 2.45 AND Lymph_Nodes_Examined <= 0.50 AND Survival_Months > 68.00 THEN class = Leukemia

Rule 589: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm <= 3.86 AND Tumor_Size_cm > 2.45 AND Lymph_Nodes_Examined > 0.50 AND Survival_Months <= 67.50 AND BMI <= 20.55 AND Tumor_Size_cm <= 2.74 THEN class = Breast

Rule 590: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm <= 3.86 AND Tumor_Size_cm > 2.45 AND Lymph_Nodes_Examined > 0.50 AND Survival_Months <= 67.50 AND BMI <= 20.55 AND Tumor_Size_cm > 2.74 AND Tumor_Size_cm <= 3.15 THEN class = Skin

Rule 591: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm <= 3.86 AND Tumor_Size_cm > 2.45 AND Lymph_Nodes_Examined > 0.50 AND Survival_Months <= 67.50 AND BMI <= 20.55 AND Tumor_Size_cm > 2.74 AND Tumor_Size_cm > 3.15 AND Lymph_Nodes_Positive <= 2.50 THEN class = Colon

Rule 592: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm <= 3.86 AND Tumor_Size_cm > 2.45 AND Lymph_Nodes_Examined > 0.50 AND Survival_Months <= 67.50 AND BMI <= 20.55 AND Tumor_Size_cm > 2.74 AND Tumor_Size_cm > 3.15 AND Lymph_Nodes_Positive > 2.50 THEN class = Skin

Rule 593: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm <= 3.86 AND Tumor_Size_cm > 2.45 AND Lymph_Nodes_Examined > 0.50 AND Survival_Months <= 67.50 AND BMI > 20.55 AND BMI <= 21.35 THEN class = Lung

Rule 594: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm <= 3.86 AND Tumor_Size_cm > 2.45 AND Lymph_Nodes_Examined > 0.50 AND Survival_Months <= 67.50 AND BMI > 20.55 AND BMI > 21.35 THEN class = Prostate

Rule 595: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm <= 3.86 AND Tumor_Size_cm > 2.45 AND Lymph_Nodes_Examined > 0.50 AND Survival_Months > 67.50 AND Survival_Months <= 80.50 THEN class = Breast

Rule 596: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm <= 3.86 AND Tumor_Size_cm > 2.45 AND Lymph_Nodes_Examined > 0.50 AND Survival_Months > 67.50 AND Survival_Months > 80.50 AND Lymph_Nodes_Positive <= 2.50 AND Tumor_Size_cm <= 2.90 AND Age <= 55.50 THEN class = Breast

Rule 597: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm <= 3.86 AND Tumor_Size_cm > 2.45 AND Lymph_Nodes_Examined > 0.50 AND Survival_Months > 67.50 AND Survival_Months > 80.50 AND Lymph_Nodes_Positive <= 2.50 AND Tumor_Size_cm <= 2.90 AND Age > 55.50 THEN class = Prostate

Rule 598: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm <= 3.86 AND Tumor_Size_cm > 2.45 AND Lymph_Nodes_Examined > 0.50 AND Survival_Months > 67.50 AND Survival_Months > 80.50 AND Lymph_Nodes_Positive <= 2.50 AND Tumor_Size_cm > 2.90 THEN class = Colon

Rule 599: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm <= 3.86 AND Tumor_Size_cm > 2.45 AND Lymph_Nodes_Examined > 0.50 AND Survival_Months > 67.50 AND Survival_Months > 80.50 AND Lymph_Nodes_Positive > 2.50 AND Tumor_Size_cm <= 3.37 THEN class = Lung

Rule 600: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm <= 3.86 AND Tumor_Size_cm > 2.45 AND Lymph_Nodes_Examined >

0.50 AND Survival_Months > 67.50 AND Survival_Months > 80.50 AND Lymph_Nodes_Positive > 2.50 AND Tumor_Size_cm > 3.37 THEN class = Breast

Rule 601: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm > 3.86 AND Survival_Months <= 52.50 THEN class = Prostate

Rule 602: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm > 3.86 AND Survival_Months > 52.50 AND Tumor_Size_cm <= 7.92 AND Survival_Months <= 95.50 AND Tumor_Size_cm <= 7.72 AND Survival_Months <= 93.50 AND Survival_Months <= 66.50 AND Tumor_Size_cm <= 6.76 AND BMI <= 21.90 AND BMI <= 21.40 AND Tumor_Size_cm <= 5.43 AND BMI <= 14.75 AND Survival_Months <= 63.00 THEN class = Colon

Rule 603: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm > 3.86 AND Survival_Months > 52.50 AND Tumor_Size_cm <= 7.92 AND Survival_Months <= 95.50 AND Tumor_Size_cm <= 7.72 AND Survival_Months <= 93.50 AND Survival_Months <= 66.50 AND Tumor_Size_cm <= 6.76 AND BMI <= 21.90 AND BMI <= 21.40 AND Tumor_Size_cm <= 5.43 AND BMI <= 14.75 AND Survival_Months > 63.00 THEN class = Prostate

Rule 604: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm > 3.86 AND Survival_Months > 52.50 AND Tumor_Size_cm <= 7.92 AND Survival_Months <= 95.50 AND Tumor_Size_cm <= 7.72 AND Survival_Months <= 93.50 AND Survival_Months <= 66.50 AND Tumor_Size_cm <= 6.76 AND BMI <= 21.90 AND BMI <= 21.40 AND Tumor_Size_cm <= 5.43 AND BMI > 14.75 AND Lymph_Nodes_Examined <= 4.00 THEN class = Skin

Rule 605: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm > 3.86 AND Survival_Months > 52.50 AND Tumor_Size_cm <= 7.92 AND Survival_Months <= 95.50 AND Tumor_Size_cm <= 7.72 AND Survival_Months <= 93.50 AND Survival_Months <= 66.50 AND Tumor_Size_cm <= 6.76 AND BMI <= 21.90 AND BMI <= 21.40 AND Tumor_Size_cm <= 5.43 AND BMI > 14.75 AND Lymph_Nodes_Examined > 4.00 AND Survival_Months <= 61.50 THEN class = Lung

Rule 606: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm > 3.86 AND Survival_Months > 52.50 AND Tumor_Size_cm <= 7.92 AND Survival_Months <= 95.50 AND Tumor_Size_cm <= 7.72 AND Survival_Months <= 93.50 AND Survival_Months <= 66.50 AND Tumor_Size_cm <= 6.76 AND BMI <= 21.90 AND BMI <= 21.40 AND Tumor_Size_cm <= 5.43 AND BMI > 14.75 AND Lymph_Nodes_Examined > 4.00 AND Survival_Months > 61.50 THEN class = Skin

Rule 607: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm > 3.86 AND Survival_Months > 52.50 AND Tumor_Size_cm <= 7.92 AND Survival_Months <= 95.50 AND Tumor_Size_cm <= 7.72 AND Survival_Months <= 93.50 AND Survival_Months <= 66.50 AND Tumor_Size_cm <= 6.76 AND BMI <= 21.90 AND BMI <= 21.40 AND Tumor_Size_cm > 5.43 AND BMI <= 18.50 THEN class = Lung

Rule 608: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm > 3.86 AND Survival_Months > 52.50 AND Tumor_Size_cm <= 7.92 AND Survival_Months <= 95.50 AND Tumor_Size_cm <= 7.72 AND Survival_Months <= 93.50 AND Survival_Months <= 66.50 AND Tumor_Size_cm <= 6.76 AND BMI <= 21.90 AND BMI <= 21.40 AND Tumor_Size_cm > 5.43 AND BMI > 18.50 THEN class = Prostate

Rule 609: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm > 3.86 AND Survival_Months > 52.50 AND Tumor_Size_cm <= 7.92 AND Survival_Months <= 95.50 AND Tumor_Size_cm <= 7.72 AND Survival_Months <= 93.50 AND Survival_Months <= 66.50 AND Tumor_Size_cm <= 6.76 AND BMI <= 21.90 AND BMI > 21.40 THEN class = Skin

Rule 610: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm > 3.86 AND Survival_Months > 52.50 AND Tumor_Size_cm <= 7.92 AND Survival_Months <= 95.50 AND Tumor_Size_cm <= 7.72 AND Survival_Months <= 93.50 AND Survival_Months <= 66.50 AND Tumor_Size_cm <= 6.76 AND BMI > 21.90 THEN class = Colon

Rule 611: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm > 3.86 AND Survival_Months > 52.50 AND Tumor_Size_cm <= 7.92 AND Survival_Months <= 95.50 AND Tumor_Size_cm <= 7.72 AND Survival_Months <= 93.50 AND Survival_Months <= 66.50 AND Tumor_Size_cm > 6.76 AND Tumor_Size_cm <= 7.38 AND Age <= 65.00 THEN class = Leukemia

Rule 612: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm > 3.86 AND Survival_Months > 52.50 AND Tumor_Size_cm <= 7.92 AND Survival_Months <= 95.50 AND Tumor_Size_cm <= 7.72 AND Survival_Months <= 93.50 AND Survival_Months <= 66.50 AND Tumor_Size_cm > 6.76 AND Tumor_Size_cm <= 7.38 AND Age > 65.00 THEN class = Lung

Rule 613: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <=

100.50 AND Tumor_Size_cm > 3.86 AND Survival_Months > 52.50 AND Tumor_Size_cm <= 7.92 AND Survival_Months <= 95.50 AND Tumor_Size_cm <= 7.72 AND Survival_Months <= 93.50 AND Survival_Months <= 66.50 AND Tumor_Size_cm > 6.76 AND Tumor_Size_cm > 7.38 THEN class = Lung

Rule 614: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm > 3.86 AND Survival_Months > 52.50 AND Tumor_Size_cm <= 7.92 AND Survival_Months <= 95.50 AND Tumor_Size_cm <= 7.72 AND Survival_Months <= 93.50 AND Survival_Months > 66.50 AND Tumor_Size_cm <= 4.20 THEN class = Breast

Rule 615: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm > 3.86 AND Survival_Months > 52.50 AND Tumor_Size_cm <= 7.92 AND Survival_Months <= 95.50 AND Tumor_Size_cm <= 7.72 AND Survival_Months <= 93.50 AND Survival_Months > 66.50 AND Tumor_Size_cm > 4.20 AND Survival_Months <= 75.50 AND BMI <= 21.15 AND Lymph_Nodes_Examined <= 0.50 THEN class = Skin

Rule 616: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm > 3.86 AND Survival_Months > 52.50 AND Tumor_Size_cm <= 7.92 AND Survival_Months <= 95.50 AND Tumor_Size_cm <= 7.72 AND Survival_Months <= 93.50 AND Survival_Months > 66.50 AND Tumor_Size_cm > 4.20 AND Survival_Months <= 75.50 AND BMI <= 21.15 AND Lymph_Nodes_Examined > 0.50 THEN class = Breast

Rule 617: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm > 3.86 AND Survival_Months > 52.50 AND Tumor_Size_cm <= 7.92 AND Survival_Months <= 95.50 AND Tumor_Size_cm <= 7.72 AND Survival_Months <= 93.50 AND Survival_Months > 66.50 AND Tumor_Size_cm > 4.20 AND Survival_Months <= 75.50 AND BMI > 21.15 AND BMI <= 21.85 THEN class = Lung

Rule 618: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm > 3.86 AND Survival_Months > 52.50 AND Tumor_Size_cm <= 7.92 AND Survival_Months <= 95.50 AND Tumor_Size_cm <= 7.72 AND Survival_Months <= 93.50 AND Survival_Months > 66.50 AND Tumor_Size_cm > 4.20 AND Survival_Months <= 75.50 AND BMI > 21.15 AND BMI > 21.85 THEN class = Skin

Rule 619: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm > 3.86 AND Survival_Months > 52.50 AND Tumor_Size_cm <= 7.92 AND Survival_Months <= 95.50 AND Tumor_Size_cm <= 7.72 AND Survival_Months <= 93.50 AND Survival_Months > 66.50 AND Tumor_Size_cm > 4.20 AND Survival_Months > 75.50 AND Age <= 43.00 AND Age <= 33.00 AND Tumor_Size_cm <= 4.47 THEN class = Prostate

Rule 620: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm > 3.86 AND Survival_Months > 52.50 AND Tumor_Size_cm <= 7.92 AND Survival_Months <= 95.50 AND Tumor_Size_cm <= 7.72 AND Survival_Months <= 93.50 AND Survival_Months > 66.50 AND Tumor_Size_cm > 4.20 AND Survival_Months > 75.50 AND Age <= 43.00 AND Age <= 33.00 AND Tumor_Size_cm > 4.47 AND Tumor_Size_cm <= 5.97 THEN class = Lung

Rule 621: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm > 3.86 AND Survival_Months > 52.50 AND Tumor_Size_cm <= 7.92 AND Survival_Months <= 95.50 AND Tumor_Size_cm <= 7.72 AND Survival_Months <= 93.50 AND Survival_Months > 66.50 AND Tumor_Size_cm > 4.20 AND Survival_Months > 75.50 AND Age <= 43.00 AND Age <= 33.00 AND Tumor_Size_cm > 4.47 AND Tumor_Size_cm > 5.97 THEN class = Colon

Rule 622: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm > 3.86 AND Survival_Months > 52.50 AND Tumor_Size_cm <= 7.92 AND Survival_Months <= 95.50 AND Tumor_Size_cm <= 7.72 AND Survival_Months <= 93.50 AND Survival_Months > 66.50 AND Tumor_Size_cm > 4.20 AND Survival_Months > 75.50 AND Age <= 43.00 AND Age > 33.00 THEN class = Colon

Rule 623: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm > 3.86 AND Survival_Months > 52.50 AND Tumor_Size_cm <= 7.92 AND Survival_Months <= 95.50 AND Tumor_Size_cm <= 7.72 AND Survival_Months <= 93.50 AND Survival_Months > 66.50 AND Tumor_Size_cm > 4.20 AND Survival_Months > 75.50 AND Age > 43.00 AND Lymph_Nodes_Examined <= 0.50 THEN class = Breast

Rule 624: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm > 3.86 AND Survival_Months > 52.50 AND Tumor_Size_cm <= 7.92 AND Survival_Months <= 95.50 AND Tumor_Size_cm <= 7.72 AND Survival_Months <= 93.50 AND Survival_Months > 66.50 AND Tumor_Size_cm > 4.20 AND Survival_Months > 75.50 AND Age > 43.00 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive <= 3.50 AND Age <= 63.00 THEN class = Lung

Rule 625: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm > 3.86 AND Survival_Months > 52.50 AND Tumor_Size_cm <= 7.92 AND Survival_Months <= 95.50 AND Tumor_Size_cm <= 7.72 AND Survival_Months <= 93.50 AND Survival_Months > 66.50 AND Tumor_Size_cm > 4.20 AND Survival_Months > 75.50 AND Age > 43.00 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive <= 3.50 AND Age > 63.00 AND Age <= 70.00 AND Tumor_Size_cm <= 6.70 THEN class = Prostate

Rule 626: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm > 3.86 AND Survival_Months > 52.50 AND Tumor_Size_cm <= 7.92 AND Survival_Months <= 95.50 AND Tumor_Size_cm <= 7.72 AND Survival_Months <= 93.50 AND Survival_Months > 66.50 AND Tumor_Size_cm > 4.20 AND Survival_Months > 75.50 AND Age > 43.00 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive <= 3.50 AND Age > 63.00 AND Age <= 70.00 AND Tumor_Size_cm > 6.70 THEN class = Colon

Rule 627: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm > 3.86 AND Survival_Months > 52.50 AND Tumor_Size_cm <= 7.92 AND Survival_Months <= 95.50 AND Tumor_Size_cm <= 7.72 AND Survival_Months <= 93.50 AND Survival_Months > 66.50 AND Tumor_Size_cm > 4.20 AND Survival_Months > 75.50 AND Age > 43.00 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive <= 3.50 AND Age > 63.00 AND Age > 70.00 THEN class = Lung

Rule 628: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm > 3.86 AND Survival_Months > 52.50 AND Tumor_Size_cm <= 7.92 AND Survival_Months <= 95.50 AND Tumor_Size_cm <= 7.72 AND Survival_Months <= 93.50 AND Survival_Months > 66.50 AND Tumor_Size_cm > 4.20 AND Survival_Months > 75.50 AND Age > 43.00 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive > 3.50 AND Lymph_Nodes_Examined <= 5.00 THEN class = Lung

Rule 629: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm > 3.86 AND Survival_Months > 52.50 AND Tumor_Size_cm <= 7.92 AND Survival_Months <= 95.50 AND Tumor_Size_cm <= 7.72 AND Survival_Months <= 93.50 AND Survival_Months > 66.50 AND Tumor_Size_cm > 4.20 AND Survival_Months > 75.50 AND Age > 43.00 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive > 3.50 AND Lymph_Nodes_Examined > 5.00 AND BMI <= 17.30 THEN class = Skin

Rule 630: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm > 3.86 AND Survival_Months > 52.50 AND Tumor_Size_cm <= 7.92 AND Survival_Months <= 95.50 AND Tumor_Size_cm <= 7.72 AND Survival_Months <= 93.50 AND Survival_Months > 66.50 AND Tumor_Size_cm > 4.20 AND Survival_Months > 75.50 AND Age > 43.00 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive > 3.50 AND Lymph_Nodes_Examined > 5.00 AND BMI > 17.30 AND Tumor_Size_cm <= 5.68 THEN class = Leukemia

Rule 631: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm > 3.86 AND Survival_Months > 52.50 AND Tumor_Size_cm <= 7.92 AND

Survival_Months <= 95.50 AND Tumor_Size_cm <= 7.72 AND Survival_Months <= 93.50 AND Survival_Months > 66.50 AND Tumor_Size_cm > 4.20 AND Survival_Months > 75.50 AND Age > 43.00 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive > 3.50 AND Lymph_Nodes_Examined > 5.00 AND BMI > 17.30 AND Tumor_Size_cm > 5.68 THEN class = Breast

Rule 632: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm > 3.86 AND Survival_Months > 52.50 AND Tumor_Size_cm <= 7.92 AND Survival_Months <= 95.50 AND Tumor_Size_cm <= 7.72 AND Survival_Months > 93.50 THEN class = Colon

Rule 633: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm > 3.86 AND Survival_Months > 52.50 AND Tumor_Size_cm <= 7.92 AND Survival_Months <= 95.50 AND Tumor_Size_cm > 7.72 THEN class = Prostate

Rule 634: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm > 3.86 AND Survival_Months > 52.50 AND Tumor_Size_cm <= 7.92 AND Survival_Months > 95.50 AND BMI <= 17.25 THEN class = Leukemia

Rule 635: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm > 3.86 AND Survival_Months > 52.50 AND Tumor_Size_cm <= 7.92 AND Survival_Months > 95.50 AND BMI > 17.25 AND BMI <= 20.10 AND Age <= 76.00 THEN class = Skin

Rule 636: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm > 3.86 AND Survival_Months > 52.50 AND Tumor_Size_cm <= 7.92 AND Survival_Months > 95.50 AND BMI > 17.25 AND BMI <= 20.10 AND Age > 76.00 THEN class = Prostate

Rule 637: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm > 3.86 AND Survival_Months > 52.50 AND Tumor_Size_cm <= 7.92 AND Survival_Months > 95.50 AND BMI > 17.25 AND BMI > 20.10 AND Tumor_Size_cm <= 6.50 AND Age <= 44.50 THEN class = Lung

Rule 638: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm > 3.86 AND Survival_Months > 52.50 AND Tumor_Size_cm <= 7.92 AND Survival_Months > 95.50 AND BMI > 17.25 AND BMI > 20.10 AND Tumor_Size_cm <= 6.50 AND Age > 44.50 THEN class = Skin

Rule 639: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm > 3.86 AND Survival_Months > 52.50 AND Tumor_Size_cm <= 7.92 AND Survival_Months > 95.50 AND BMI > 17.25 AND BMI > 20.10 AND Tumor_Size_cm > 6.50 THEN class = Lung

Rule 640: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm > 3.86 AND Survival_Months > 52.50 AND Tumor_Size_cm > 7.92 AND Survival_Months <= 76.00 AND Lymph_Nodes_Examined <= 4.50 AND Tumor_Size_cm <= 8.13 THEN class = Skin

Rule 641: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm > 3.86 AND Survival_Months > 52.50 AND Tumor_Size_cm > 7.92 AND Survival_Months <= 76.00 AND Lymph_Nodes_Examined <= 4.50 AND Tumor_Size_cm > 8.13 THEN class = Prostate

Rule 642: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm > 3.86 AND Survival_Months > 52.50 AND Tumor_Size_cm > 7.92 AND Survival_Months <= 76.00 AND Lymph_Nodes_Examined > 4.50 THEN class = Lung

Rule 643: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months <= 100.50 AND Tumor_Size_cm > 3.86 AND Survival_Months > 52.50 AND Tumor_Size_cm > 7.92 AND Survival_Months > 76.00 THEN class = Skin

Rule 644: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months > 100.50 AND Survival_Months <= 110.50 AND Tumor_Size_cm <= 1.93 THEN class = Skin

Rule 645: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months > 100.50 AND Survival_Months <= 110.50 AND Tumor_Size_cm > 1.93 AND Age <= 32.50 AND Lymph_Nodes_Examined <= 5.00 THEN class = Leukemia

Rule 646: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months > 100.50 AND Survival_Months <= 110.50 AND Tumor_Size_cm > 1.93 AND Age <= 32.50 AND Lymph_Nodes_Examined > 5.00 AND Survival_Months <= 106.50 THEN class = Breast

Rule 647: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months > 100.50 AND Survival_Months <= 110.50 AND Tumor_Size_cm > 1.93 AND Age <= 32.50 AND Lymph_Nodes_Examined > 5.00 AND Survival_Months > 106.50 THEN class = Skin

Rule 648: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months > 100.50 AND Survival_Months <= 110.50 AND Tumor_Size_cm > 1.93 AND Age > 32.50 AND Tumor_Size_cm <= 7.86 AND Survival_Months <= 106.50 THEN class = Colon

Rule 649: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months > 100.50 AND Survival_Months <= 110.50 AND Tumor_Size_cm > 1.93 AND Age > 32.50 AND Tumor_Size_cm <= 7.86 AND Survival_Months > 106.50 AND Tumor_Size_cm <= 3.79 THEN class = Skin

Rule 650: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months > 100.50 AND Survival_Months <= 110.50 AND Tumor_Size_cm > 1.93 AND Age > 32.50 AND Tumor_Size_cm <= 7.86 AND Survival_Months > 106.50 AND Tumor_Size_cm > 3.79 AND Age <= 61.50 THEN class = Colon

Rule 651: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months > 100.50 AND Survival_Months <= 110.50 AND Tumor_Size_cm > 1.93 AND Age > 32.50 AND Tumor_Size_cm <= 7.86 AND Survival_Months > 106.50 AND Tumor_Size_cm > 3.79 AND Age > 61.50 AND Age <= 70.00 THEN class = Skin

Rule 652: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months > 100.50 AND Survival_Months <= 110.50 AND Tumor_Size_cm > 1.93 AND Age > 32.50 AND Tumor_Size_cm <= 7.86 AND Survival_Months > 106.50 AND Tumor_Size_cm > 3.79 AND Age > 61.50 AND Age > 70.00 THEN class = Colon

Rule 653: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months > 100.50 AND Survival_Months <= 110.50 AND Tumor_Size_cm > 1.93 AND Age > 32.50 AND Tumor_Size_cm > 7.86 THEN class = Leukemia

Rule 654: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm <= 8.34 AND Survival_Months > 100.50 AND Survival_Months > 110.50 THEN class = Prostate

Rule 655: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm > 8.34 AND Survival_Months <= 69.00 AND BMI <= 20.55 AND Lymph_Nodes_Examined <= 1.50 THEN class = Prostate

Rule 656: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm > 8.34 AND Survival_Months <= 69.00 AND BMI <= 20.55 AND Lymph_Nodes_Examined > 1.50 AND Age <= 58.50 AND Age <= 41.00 THEN class = Breast

Rule 657: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm > 8.34 AND Survival_Months <= 69.00 AND BMI <= 20.55 AND Lymph_Nodes_Examined > 1.50 AND Age <= 58.50 AND Age > 41.00 THEN class = Leukemia

Rule 658: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm > 8.34 AND Survival_Months <= 69.00 AND BMI <= 20.55 AND Lymph_Nodes_Examined > 1.50 AND Age > 58.50 AND BMI <= 19.10 THEN class = Prostate

Rule 659: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm > 8.34 AND Survival_Months <= 69.00 AND BMI <= 20.55 AND Lymph_Nodes_Examined > 1.50 AND Age > 58.50 AND BMI > 19.10 THEN class = Breast

Rule 660: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm > 8.34 AND Survival_Months <= 69.00 AND BMI > 20.55 THEN class = Lung

Rule 661: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm > 8.34 AND Survival_Months > 69.00 AND Age <= 38.50 THEN class = Leukemia

Rule 662: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm > 8.34 AND Survival_Months > 69.00 AND Age > 38.50 AND Survival_Months <= 101.00 AND Age <= 75.50 AND Lymph_Nodes_Positive <= 3.50 AND Tumor_Size_cm <= 9.27 THEN class = Colon

Rule 663: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm > 8.34 AND Survival_Months > 69.00 AND Age > 38.50 AND Survival_Months <= 101.00 AND Age <= 75.50 AND Lymph_Nodes_Positive <= 3.50 AND Tumor_Size_cm > 9.27 AND BMI <= 20.90 THEN class = Prostate

Rule 664: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm > 8.34 AND Survival_Months > 69.00 AND Age > 38.50 AND Survival_Months <= 101.00 AND Age <= 75.50 AND Lymph_Nodes_Positive <= 3.50 AND Tumor_Size_cm > 9.27 AND BMI > 20.90 THEN class = Colon

Rule 665: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm > 8.34 AND Survival_Months > 69.00 AND Age > 38.50 AND Survival_Months <= 101.00 AND Age <= 75.50 AND Lymph_Nodes_Positive > 3.50 AND Tumor_Size_cm <= 8.90 THEN class = Colon

Rule 666: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm > 8.34 AND Survival_Months > 69.00 AND Age > 38.50 AND Survival_Months <= 101.00 AND Age <= 75.50 AND Lymph_Nodes_Positive > 3.50 AND Tumor_Size_cm > 8.90 THEN class = Leukemia

Rule 667: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm > 8.34 AND Survival_Months > 69.00 AND Age > 38.50 AND Survival_Months <= 101.00 AND Age > 75.50 THEN class = Leukemia

Rule 668: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm > 8.34 AND Survival_Months > 69.00 AND Age > 38.50 AND Survival_Months > 101.00 AND BMI <= 19.75 THEN class = Leukemia

Rule 669: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI <= 22.45 AND Tumor_Size_cm > 8.34 AND Survival_Months > 69.00 AND Age > 38.50 AND Survival_Months > 101.00 AND BMI > 19.75 THEN class = Prostate

Rule 670: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI > 22.45 AND BMI <= 23.35 AND Survival_Months <= 66.50 AND BMI <= 22.95 AND Tumor_Size_cm <= 8.16 AND Lymph_Nodes_Positive <= 2.50 THEN class = Lung

Rule 671: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI > 22.45 AND BMI <= 23.35 AND Survival_Months <= 66.50 AND BMI <= 22.95 AND Tumor_Size_cm <= 8.16 AND Lymph_Nodes_Positive > 2.50 AND Survival_Months <= 55.00 THEN class = Lung

Rule 672: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI > 22.45 AND BMI <= 23.35 AND Survival_Months <= 66.50 AND BMI <= 22.95 AND Tumor_Size_cm <= 8.16 AND Lymph_Nodes_Positive > 2.50 AND Survival_Months > 55.00 THEN class = Leukemia

Rule 673: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND

Survival_Months <= 111.50 AND BMI > 22.45 AND BMI <= 23.35 AND Survival_Months <= 66.50 AND BMI <= 22.95 AND Tumor_Size_cm > 8.16 THEN class = Prostate

Rule 674: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI > 22.45 AND BMI <= 23.35 AND Survival_Months <= 66.50 AND BMI > 22.95 AND Lymph_Nodes_Examined <= 6.50 AND Age <= 71.00 THEN class = Colon

Rule 675: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI > 22.45 AND BMI <= 23.35 AND Survival_Months <= 66.50 AND BMI > 22.95 AND Lymph_Nodes_Examined <= 6.50 AND Age > 71.00 AND Survival_Months <= 55.50 THEN class = Prostate

Rule 676: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI > 22.45 AND BMI <= 23.35 AND Survival_Months <= 66.50 AND BMI > 22.95 AND Lymph_Nodes_Examined <= 6.50 AND Age > 71.00 AND Survival_Months > 55.50 THEN class = Lung

Rule 677: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI > 22.45 AND BMI <= 23.35 AND Survival_Months <= 66.50 AND BMI > 22.95 AND Lymph_Nodes_Examined > 6.50 THEN class = Leukemia

Rule 678: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI > 22.45 AND BMI <= 23.35 AND Survival_Months > 66.50 AND Survival_Months <= 80.50 AND Lymph_Nodes_Examined <= 4.00 AND Age <= 28.00 THEN class = Colon

Rule 679: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI > 22.45 AND BMI <= 23.35 AND Survival_Months > 66.50 AND Survival_Months <= 80.50 AND Lymph_Nodes_Examined <= 4.00 AND Age > 28.00 AND Age <= 61.50 AND Age <= 41.50 THEN class = Leukemia

Rule 680: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI > 22.45 AND BMI <= 23.35 AND Survival_Months > 66.50 AND Survival_Months <= 80.50 AND Lymph_Nodes_Examined <= 4.00 AND Age > 28.00 AND Age <= 61.50 AND Age > 41.50 AND Age <= 58.50 THEN class = Skin

Rule 681: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI > 22.45 AND BMI <= 23.35 AND Survival_Months > 66.50 AND Survival_Months <= 80.50 AND Lymph_Nodes_Examined <= 4.00 AND Age > 28.00 AND Age <= 61.50 AND Age > 41.50 AND Age > 58.50 THEN class = Leukemia

Rule 682: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI > 22.45 AND BMI <= 23.35 AND Survival_Months > 66.50 AND

Survival_Months <= 80.50 AND Lymph_Nodes_Examined <= 4.00 AND Age > 28.00 AND Age > 61.50 THEN class = Prostate

Rule 683: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI > 22.45 AND BMI <= 23.35 AND Survival_Months > 66.50 AND Survival_Months <= 80.50 AND Lymph_Nodes_Examined > 4.00 AND Tumor_Size_cm <= 1.33 AND BMI <= 22.80 THEN class = Colon

Rule 684: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI > 22.45 AND BMI <= 23.35 AND Survival_Months > 66.50 AND Survival_Months <= 80.50 AND Lymph_Nodes_Examined > 4.00 AND Tumor_Size_cm <= 1.33 AND BMI > 22.80 THEN class = Leukemia

Rule 685: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI > 22.45 AND BMI <= 23.35 AND Survival_Months > 66.50 AND Survival_Months <= 80.50 AND Lymph_Nodes_Examined > 4.00 AND Tumor_Size_cm > 1.33 AND Survival_Months <= 70.50 AND Tumor_Size_cm <= 6.94 THEN class = Prostate

Rule 686: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI > 22.45 AND BMI <= 23.35 AND Survival_Months > 66.50 AND Survival_Months <= 80.50 AND Lymph_Nodes_Examined > 4.00 AND Tumor_Size_cm > 1.33 AND Survival_Months <= 70.50 AND Tumor_Size_cm > 6.94 THEN class = Breast

Rule 687: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI > 22.45 AND BMI <= 23.35 AND Survival_Months > 66.50 AND Survival_Months <= 80.50 AND Lymph_Nodes_Examined > 4.00 AND Tumor_Size_cm > 1.33 AND Survival_Months > 70.50 THEN class = Breast

Rule 688: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI > 22.45 AND BMI <= 23.35 AND Survival_Months > 66.50 AND Survival_Months > 80.50 AND BMI <= 22.95 AND Survival_Months <= 95.50 THEN class = Prostate

Rule 689: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI > 22.45 AND BMI <= 23.35 AND Survival_Months > 66.50 AND Survival_Months > 80.50 AND BMI <= 22.95 AND Survival_Months > 95.50 AND Survival_Months <= 104.00 THEN class = Breast

Rule 690: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI > 22.45 AND BMI <= 23.35 AND Survival_Months > 66.50 AND Survival_Months > 80.50 AND BMI <= 22.95 AND Survival_Months > 95.50 AND Survival_Months > 104.00 AND Lymph_Nodes_Examined <= 7.00 THEN class = Prostate

Rule 691: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND

Survival_Months <= 111.50 AND BMI > 22.45 AND BMI <= 23.35 AND Survival_Months > 66.50 AND Survival_Months > 80.50 AND BMI <= 22.95 AND Survival_Months > 95.50 AND Survival_Months > 104.00 AND Lymph_Nodes_Examined > 7.00 THEN class = Lung

Rule 692: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI > 22.45 AND BMI <= 23.35 AND Survival_Months > 66.50 AND Survival_Months > 80.50 AND BMI > 22.95 AND Lymph_Nodes_Examined <= 5.00 THEN class = Prostate

Rule 693: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI > 22.45 AND BMI <= 23.35 AND Survival_Months > 66.50 AND Survival_Months > 80.50 AND BMI > 22.95 AND Lymph_Nodes_Examined > 5.00 AND Survival_Months <= 109.00 THEN class = Lung

Rule 694: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI > 22.45 AND BMI <= 23.35 AND Survival_Months > 66.50 AND Survival_Months > 80.50 AND BMI > 22.95 AND Lymph_Nodes_Examined > 5.00 AND Survival_Months > 109.00 AND Lymph_Nodes_Examined <= 12.50 THEN class = Skin

Rule 695: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI > 22.45 AND BMI <= 23.35 AND Survival_Months > 66.50 AND Survival_Months > 80.50 AND BMI > 22.95 AND Lymph_Nodes_Examined > 5.00 AND Survival_Months > 109.00 AND Lymph_Nodes_Examined > 12.50 THEN class = Lung

Rule 696: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI > 22.45 AND BMI > 23.35 AND Tumor_Size_cm <= 2.94 THEN class = Breast

Rule 697: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI > 22.45 AND BMI > 23.35 AND Tumor_Size_cm > 2.94 AND Survival_Months <= 57.50 THEN class = Skin

Rule 698: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months <= 111.50 AND BMI > 22.45 AND BMI > 23.35 AND Tumor_Size_cm > 2.94 AND Survival_Months > 57.50 THEN class = Lung

Rule 699: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months > 111.50 AND Tumor_Size_cm <= 6.58 AND Lymph_Nodes_Positive <= 1.50 AND Tumor_Size_cm <= 3.44 THEN class = Skin

Rule 700: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months > 111.50 AND Tumor_Size_cm <= 6.58 AND Lymph_Nodes_Positive <= 1.50 AND Tumor_Size_cm > 3.44 THEN class = Prostate

Rule 701: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months > 111.50 AND Tumor_Size_cm <= 6.58 AND Lymph_Nodes_Positive > 1.50 THEN class = Breast

Rule 702: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive <= 4.50 AND Survival_Months > 111.50 AND Tumor_Size_cm > 6.58 THEN class = Skin

Rule 703: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined <= 8.50 AND Survival_Months <= 92.50 AND Age <= 45.00 AND Age <= 26.00 THEN class = Leukemia

Rule 704: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined <= 8.50 AND Survival_Months <= 92.50 AND Age <= 45.00 AND Age > 26.00 AND Tumor_Size_cm <= 8.54 AND Age <= 34.50 AND BMI <= 18.20 THEN class = Breast

Rule 705: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined <= 8.50 AND Survival_Months <= 92.50 AND Age <= 45.00 AND Age > 26.00 AND Tumor_Size_cm <= 8.54 AND Age <= 34.50 AND BMI > 18.20 THEN class = Lung

Rule 706: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined <= 8.50 AND Survival_Months <= 92.50 AND Age <= 45.00 AND Age > 26.00 AND Tumor_Size_cm <= 8.54 AND Age > 34.50 THEN class = Breast

Rule 707: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined <= 8.50 AND Survival_Months <= 92.50 AND Age <= 45.00 AND Age > 26.00 AND Tumor_Size_cm > 8.54 THEN class = Colon

Rule 708: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined <= 8.50 AND Survival_Months <= 92.50 AND Age > 45.00 AND Lymph_Nodes_Examined <= 7.50 AND Tumor_Size_cm <= 1.82 AND Survival_Months <= 64.50 THEN class = Lung

Rule 709: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined <= 8.50 AND Survival_Months <= 92.50 AND Age > 45.00 AND Lymph_Nodes_Examined <= 7.50 AND Tumor_Size_cm <= 1.82 AND Survival_Months > 64.50 AND Lymph_Nodes_Positive <= 5.50 THEN class = Prostate

Rule 710: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined <= 8.50 AND Survival_Months <= 92.50 AND Age > 45.00 AND Lymph_Nodes_Examined <= 7.50 AND Tumor_Size_cm <= 1.82 AND Survival_Months > 64.50 AND Lymph_Nodes_Positive > 5.50 THEN class = Colon

Rule 711: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined <= 8.50 AND Survival_Months <= 92.50 AND Age > 45.00 AND Lymph_Nodes_Examined <= 7.50 AND Tumor_Size_cm > 1.82 AND Age <= 71.00 THEN class = Leukemia

Rule 712: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined <= 8.50 AND Survival_Months <= 92.50 AND Age > 45.00 AND Lymph_Nodes_Examined <= 7.50 AND Tumor_Size_cm > 1.82 AND Age > 71.00 THEN class = Prostate

Rule 713: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined <= 8.50 AND Survival_Months <= 92.50 AND Age > 45.00 AND Lymph_Nodes_Examined > 7.50 AND Survival_Months <= 70.50 THEN class = Prostate

Rule 714: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined <= 8.50 AND Survival_Months <= 92.50 AND Age > 45.00 AND Lymph_Nodes_Examined > 7.50 AND Survival_Months > 70.50 THEN class = Colon

Rule 715: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined <= 8.50 AND Survival_Months > 92.50 AND Survival_Months <= 106.50 AND Lymph_Nodes_Examined <= 5.50 THEN class = Prostate

Rule 716: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined <= 8.50 AND Survival_Months > 92.50 AND Survival_Months <= 106.50 AND Lymph_Nodes_Examined > 5.50 AND Tumor_Size_cm <= 9.14 AND Age <= 34.00 AND Tumor_Size_cm <= 6.79 THEN class = Leukemia

Rule 717: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined <= 8.50 AND Survival_Months > 92.50 AND Survival_Months <= 106.50 AND Lymph_Nodes_Examined > 5.50 AND Tumor_Size_cm <= 9.14 AND Age <= 34.00 AND Tumor_Size_cm > 6.79 THEN class = Lung

Rule 718: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined <= 8.50 AND Survival_Months > 92.50 AND Survival_Months <= 106.50 AND Lymph_Nodes_Examined > 5.50 AND Tumor_Size_cm <= 9.14 AND Age > 34.00 THEN class = Lung

Rule 719: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined <= 8.50 AND Survival_Months > 92.50 AND Survival_Months <= 106.50 AND Lymph_Nodes_Examined > 5.50 AND Tumor_Size_cm > 9.14 AND Tumor_Size_cm <= 9.59 THEN class = Skin

Rule 720: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND

Lymph_Nodes_Examined <= 8.50 AND Survival_Months > 92.50 AND Survival_Months <= 106.50 AND Lymph_Nodes_Examined > 5.50 AND Tumor_Size_cm > 9.14 AND Tumor_Size_cm > 9.59 THEN class = Lung

Rule 721: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined <= 8.50 AND Survival_Months > 92.50 AND Survival_Months > 106.50 AND Tumor_Size_cm <= 3.23 AND Lymph_Nodes_Positive <= 6.00 THEN class = Lung

Rule 722: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined <= 8.50 AND Survival_Months > 92.50 AND Survival_Months > 106.50 AND Tumor_Size_cm <= 3.23 AND Lymph_Nodes_Positive > 6.00 THEN class = Colon

Rule 723: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined <= 8.50 AND Survival_Months > 92.50 AND Survival_Months > 106.50 AND Tumor_Size_cm > 3.23 THEN class = Leukemia

Rule 724: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age <= 26.50 AND Lymph_Nodes_Positive <= 13.50 AND BMI <= 22.70 AND Tumor_Size_cm <= 1.97 AND Survival_Months <= 76.00 AND Lymph_Nodes_Positive <= 6.50 THEN class = Breast

Rule 725: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age <= 26.50 AND Lymph_Nodes_Positive <= 13.50 AND BMI <= 22.70 AND Tumor_Size_cm <= 1.97 AND Survival_Months <= 76.00 AND Lymph_Nodes_Positive > 6.50 THEN class = Colon

Rule 726: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age <= 26.50 AND Lymph_Nodes_Positive <= 13.50 AND BMI <= 22.70 AND Tumor_Size_cm <= 1.97 AND Survival_Months > 76.00 AND Lymph_Nodes_Positive <= 7.50 THEN class = Prostate

Rule 727: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age <= 26.50 AND Lymph_Nodes_Positive <= 13.50 AND BMI <= 22.70 AND Tumor_Size_cm <= 1.97 AND Survival_Months > 76.00 AND Lymph_Nodes_Positive > 7.50 THEN class = Lung

Rule 728: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age <= 26.50 AND Lymph_Nodes_Positive <= 13.50 AND BMI <= 22.70 AND Tumor_Size_cm > 1.97 AND BMI <= 11.75 THEN class = Prostate

Rule 729: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age <= 26.50 AND Lymph_Nodes_Positive <= 13.50 AND BMI

<= 22.70 AND Tumor_Size_cm > 1.97 AND BMI > 11.75 AND Survival_Months <= 93.50 THEN class = Lung

Rule 730: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age <= 26.50 AND Lymph_Nodes_Positive <= 13.50 AND BMI <= 22.70 AND Tumor_Size_cm > 1.97 AND BMI > 11.75 AND Survival_Months > 93.50 AND Survival_Months <= 99.00 THEN class = Leukemia

Rule 731: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age <= 26.50 AND Lymph_Nodes_Positive <= 13.50 AND BMI <= 22.70 AND Tumor_Size_cm > 1.97 AND BMI > 11.75 AND Survival_Months > 93.50 AND Survival_Months > 99.00 THEN class = Lung

Rule 732: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age <= 26.50 AND Lymph_Nodes_Positive <= 13.50 AND BMI > 22.70 THEN class = Colon

Rule 733: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age <= 26.50 AND Lymph_Nodes_Positive > 13.50 THEN class = Breast

Rule 734: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI <= 23.35 AND Tumor_Size_cm <= 7.12 AND Age <= 46.50 AND Lymph_Nodes_Examined <= 11.50 AND Lymph_Nodes_Examined <= 10.50 THEN class = Prostate

Rule 735: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI <= 23.35 AND Tumor_Size_cm <= 7.12 AND Age <= 46.50 AND Lymph_Nodes_Examined <= 11.50 AND Lymph_Nodes_Examined > 10.50 THEN class = Skin

Rule 736: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI <= 23.35 AND Tumor_Size_cm <= 7.12 AND Age <= 46.50 AND Lymph_Nodes_Examined > 11.50 AND Tumor_Size_cm <= 0.69 THEN class = Breast

Rule 737: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI <= 23.35 AND Tumor_Size_cm <= 7.12 AND Age <= 46.50 AND Lymph_Nodes_Examined > 11.50 AND Tumor_Size_cm > 0.69 AND BMI <= 19.45 AND BMI <= 17.25 AND Lymph_Nodes_Positive <= 12.00 THEN class = Breast

Rule 738: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI <= 23.35 AND Tumor_Size_cm <= 7.12

AND Age <= 46.50 AND Lymph_Nodes_Examined > 11.50 AND Tumor_Size_cm > 0.69 AND BMI <= 19.45 AND BMI <= 17.25 AND Lymph_Nodes_Positive > 12.00 THEN class = Skin

Rule 739: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI <= 23.35 AND Tumor_Size_cm <= 7.12 AND Age <= 46.50 AND Lymph_Nodes_Examined > 11.50 AND Tumor_Size_cm > 0.69 AND BMI <= 19.45 AND BMI > 17.25 AND Age <= 29.50 THEN class = Skin

Rule 740: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI <= 23.35 AND Tumor_Size_cm <= 7.12 AND Age <= 46.50 AND Lymph_Nodes_Examined > 11.50 AND Tumor_Size_cm > 0.69 AND BMI <= 19.45 AND BMI > 17.25 AND Age > 29.50 THEN class = Leukemia

Rule 741: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI <= 23.35 AND Tumor_Size_cm <= 7.12 AND Age <= 46.50 AND Lymph_Nodes_Examined > 11.50 AND Tumor_Size_cm > 0.69 AND BMI > 19.45 AND Lymph_Nodes_Positive <= 15.50 AND Lymph_Nodes_Positive <= 14.50 AND Age <= 33.50 AND BMI <= 20.95 AND Tumor_Size_cm <= 3.90 THEN class = Colon

Rule 742: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI <= 23.35 AND Tumor_Size_cm <= 7.12 AND Age <= 46.50 AND Lymph_Nodes_Examined > 11.50 AND Tumor_Size_cm > 0.69 AND BMI > 19.45 AND Lymph_Nodes_Positive <= 15.50 AND Lymph_Nodes_Positive <= 14.50 AND Age <= 33.50 AND BMI <= 20.95 AND Tumor_Size_cm > 3.90 THEN class = Prostate

Rule 743: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI <= 23.35 AND Tumor_Size_cm <= 7.12 AND Age <= 46.50 AND Lymph_Nodes_Examined > 11.50 AND Tumor_Size_cm > 0.69 AND BMI > 19.45 AND Lymph_Nodes_Positive <= 15.50 AND Lymph_Nodes_Positive <= 14.50 AND Age <= 33.50 AND BMI > 20.95 THEN class = Skin

Rule 744: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI <= 23.35 AND Tumor_Size_cm <= 7.12 AND Age <= 46.50 AND Lymph_Nodes_Examined > 11.50 AND Tumor_Size_cm > 0.69 AND BMI > 19.45 AND Lymph_Nodes_Positive <= 15.50 AND Lymph_Nodes_Positive <= 14.50 AND Age > 33.50 AND Lymph_Nodes_Examined <= 14.00 AND Age <= 42.00 THEN class = Breast

Rule 745: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI <= 23.35 AND Tumor_Size_cm <= 7.12 AND Age <= 46.50 AND Lymph_Nodes_Examined > 11.50 AND Tumor_Size_cm > 0.69 AND BMI > 19.45 AND Lymph_Nodes_Positive <= 15.50 AND Lymph_Nodes_Positive <= 14.50 AND Age > 33.50 AND Lymph_Nodes_Examined <= 14.00 AND Age > 42.00 THEN class = Lung

Rule 746: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI <= 23.35 AND Tumor_Size_cm <= 7.12 AND Age <= 46.50 AND Lymph_Nodes_Examined > 11.50 AND Tumor_Size_cm > 0.69 AND BMI > 19.45 AND Lymph_Nodes_Positive <= 15.50 AND Lymph_Nodes_Positive <= 14.50 AND Age > 33.50 AND Lymph_Nodes_Examined > 14.00 AND BMI <= 23.25 AND Lymph_Nodes_Examined <= 18.00 THEN class = Prostate

Rule 747: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI <= 23.35 AND Tumor_Size_cm <= 7.12 AND Age <= 46.50 AND Lymph_Nodes_Examined > 11.50 AND Tumor_Size_cm > 0.69 AND BMI > 19.45 AND Lymph_Nodes_Positive <= 15.50 AND Lymph_Nodes_Positive <= 14.50 AND Age > 33.50 AND Lymph_Nodes_Examined > 14.00 AND BMI <= 23.25 AND Lymph_Nodes_Examined > 18.00 AND Age <= 38.00 AND Survival_Months <= 78.00 THEN class = Leukemia

Rule 748: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI <= 23.35 AND Tumor_Size_cm <= 7.12 AND Age <= 46.50 AND Lymph_Nodes_Examined > 11.50 AND Tumor_Size_cm > 0.69 AND BMI > 19.45 AND Lymph_Nodes_Positive <= 15.50 AND Lymph_Nodes_Positive <= 14.50 AND Age > 33.50 AND Lymph_Nodes_Examined > 14.00 AND BMI <= 23.25 AND Lymph_Nodes_Examined > 18.00 AND Age <= 38.00 AND Survival_Months > 78.00 THEN class = Prostate

Rule 749: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI <= 23.35 AND Tumor_Size_cm <= 7.12 AND Age <= 46.50 AND Lymph_Nodes_Examined > 11.50 AND Tumor_Size_cm > 0.69 AND BMI > 19.45 AND Lymph_Nodes_Positive <= 15.50 AND Lymph_Nodes_Positive <= 14.50 AND Age > 33.50 AND Lymph_Nodes_Examined > 14.00 AND BMI <= 23.25 AND Lymph_Nodes_Examined > 18.00 AND Age > 38.00 AND Lymph_Nodes_Positive <= 10.50 THEN class = Colon

Rule 750: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI <= 23.35 AND Tumor_Size_cm <= 7.12 AND Age <= 46.50 AND Lymph_Nodes_Examined > 11.50 AND Tumor_Size_cm > 0.69 AND BMI > 19.45 AND Lymph_Nodes_Positive <= 15.50 AND Lymph_Nodes_Positive <= 14.50 AND Age > 33.50 AND Lymph_Nodes_Examined > 14.00 AND BMI <= 23.25 AND Lymph_Nodes_Examined > 18.00 AND Age > 38.00 AND Lymph_Nodes_Positive > 10.50 THEN class = Skin

Rule 751: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI <= 23.35 AND Tumor_Size_cm <= 7.12 AND Age <= 46.50 AND Lymph_Nodes_Examined > 11.50 AND Tumor_Size_cm > 0.69 AND BMI > 19.45 AND Lymph_Nodes_Positive <= 15.50 AND Lymph_Nodes_Positive <= 14.50 AND Age > 33.50 AND Lymph_Nodes_Examined > 14.00 AND BMI > 23.25 THEN class = Leukemia

Rule 752: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI <= 23.35 AND Tumor_Size_cm <= 7.12

AND Age <= 46.50 AND Lymph_Nodes_Examined > 11.50 AND Tumor_Size_cm > 0.69 AND BMI > 19.45 AND Lymph_Nodes_Positive <= 15.50 AND Lymph_Nodes_Positive > 14.50 THEN class = Colon

Rule 753: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI <= 23.35 AND Tumor_Size_cm <= 7.12 AND Age <= 46.50 AND Lymph_Nodes_Examined > 11.50 AND Tumor_Size_cm > 0.69 AND BMI > 19.45 AND Lymph_Nodes_Positive > 15.50 AND Age <= 35.00 THEN class = Leukemia

Rule 754: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI <= 23.35 AND Tumor_Size_cm <= 7.12 AND Age <= 46.50 AND Lymph_Nodes_Examined > 11.50 AND Tumor_Size_cm > 0.69 AND BMI > 19.45 AND Lymph_Nodes_Positive > 15.50 AND Age > 35.00 THEN class = Breast

Rule 755: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI <= 23.35 AND Tumor_Size_cm <= 7.12 AND Age > 46.50 AND Age <= 52.50 AND BMI <= 17.80 THEN class = Lung

Rule 756: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI <= 23.35 AND Tumor_Size_cm <= 7.12 AND Age > 46.50 AND Age <= 52.50 AND BMI > 17.80 AND Survival_Months <= 71.00 THEN class = Lung

Rule 757: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI <= 23.35 AND Tumor_Size_cm <= 7.12 AND Age > 46.50 AND Age <= 52.50 AND BMI > 17.80 AND Survival_Months > 71.00 THEN class = Prostate

Rule 758: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI <= 23.35 AND Tumor_Size_cm <= 7.12 AND Age > 46.50 AND Age > 52.50 AND Lymph_Nodes_Examined <= 13.50 AND Lymph_Nodes_Positive <= 8.50 AND BMI <= 20.55 AND Lymph_Nodes_Positive <= 5.50 THEN class = Leukemia

Rule 759: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI <= 23.35 AND Tumor_Size_cm <= 7.12 AND Age > 46.50 AND Age > 52.50 AND Lymph_Nodes_Examined <= 13.50 AND Lymph_Nodes_Positive <= 8.50 AND BMI <= 20.55 AND Lymph_Nodes_Positive > 5.50 AND Survival_Months <= 97.00 THEN class = Prostate

Rule 760: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI <= 23.35 AND Tumor_Size_cm <= 7.12 AND Age > 46.50 AND Age > 52.50 AND Lymph_Nodes_Examined <= 13.50 AND

Lymph_Nodes_Positive <= 8.50 AND BMI <= 20.55 AND Lymph_Nodes_Positive > 5.50 AND Survival_Months > 97.00 THEN class = Leukemia

Rule 761: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI <= 23.35 AND Tumor_Size_cm <= 7.12 AND Age > 46.50 AND Age > 52.50 AND Lymph_Nodes_Examined <= 13.50 AND Lymph_Nodes_Positive <= 8.50 AND BMI > 20.55 AND Survival_Months <= 70.50 AND BMI <= 21.70 THEN class = Lung

Rule 762: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI <= 23.35 AND Tumor_Size_cm <= 7.12 AND Age > 46.50 AND Age > 52.50 AND Lymph_Nodes_Examined <= 13.50 AND Lymph_Nodes_Positive <= 8.50 AND BMI > 20.55 AND Survival_Months <= 70.50 AND BMI > 21.70 THEN class = Prostate

Rule 763: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI <= 23.35 AND Tumor_Size_cm <= 7.12 AND Age > 46.50 AND Age > 52.50 AND Lymph_Nodes_Examined <= 13.50 AND Lymph_Nodes_Positive <= 8.50 AND BMI > 20.55 AND Survival_Months > 70.50 THEN class = Skin

Rule 764: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI <= 23.35 AND Tumor_Size_cm <= 7.12 AND Age > 46.50 AND Age > 52.50 AND Lymph_Nodes_Examined <= 13.50 AND Lymph_Nodes_Positive > 8.50 AND Survival_Months <= 100.50 AND Age <= 66.50 THEN class = Leukemia

Rule 765: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI <= 23.35 AND Tumor_Size_cm <= 7.12 AND Age > 46.50 AND Age > 52.50 AND Lymph_Nodes_Examined <= 13.50 AND Lymph_Nodes_Positive > 8.50 AND Survival_Months <= 100.50 AND Age > 66.50 THEN class = Breast

Rule 766: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI <= 23.35 AND Tumor_Size_cm <= 7.12 AND Age > 46.50 AND Age > 52.50 AND Lymph_Nodes_Examined <= 13.50 AND Lymph_Nodes_Positive > 8.50 AND Survival_Months > 100.50 THEN class = Breast

Rule 767: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI <= 23.35 AND Tumor_Size_cm <= 7.12 AND Age > 46.50 AND Age > 52.50 AND Lymph_Nodes_Examined > 13.50 AND Age <= 67.00 AND Survival_Months <= 94.50 AND Tumor_Size_cm <= 3.73 AND Tumor_Size_cm <= 1.66 THEN class = Prostate

Rule 768: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND

Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI <= 23.35 AND Tumor_Size_cm <= 7.12 AND Age > 46.50 AND Age > 52.50 AND Lymph_Nodes_Examined > 13.50 AND Age <= 67.00 AND Survival_Months <= 94.50 AND Tumor_Size_cm <= 3.73 AND Tumor_Size_cm > 1.66 THEN class = Lung

Rule 769: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI <= 23.35 AND Tumor_Size_cm <= 7.12 AND Age > 46.50 AND Age > 52.50 AND Lymph_Nodes_Examined > 13.50 AND Age <= 67.00 AND Survival_Months <= 94.50 AND Tumor_Size_cm > 3.73 AND Tumor_Size_cm <= 4.99 THEN class = Breast

Rule 770: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI <= 23.35 AND Tumor_Size_cm <= 7.12 AND Age > 46.50 AND Age > 52.50 AND Lymph_Nodes_Examined > 13.50 AND Age <= 67.00 AND Survival_Months <= 94.50 AND Tumor_Size_cm > 3.73 AND Tumor_Size_cm > 4.99 AND Lymph_Nodes_Examined <= 17.50 THEN class = Leukemia

Rule 771: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI <= 23.35 AND Tumor_Size_cm <= 7.12 AND Age > 46.50 AND Age > 52.50 AND Lymph_Nodes_Examined > 13.50 AND Age <= 67.00 AND Survival_Months <= 94.50 AND Tumor_Size_cm > 3.73 AND Tumor_Size_cm > 4.99 AND Lymph_Nodes_Examined > 17.50 AND BMI <= 17.15 THEN class = Prostate

Rule 772: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI <= 23.35 AND Tumor_Size_cm <= 7.12 AND Age > 46.50 AND Age > 52.50 AND Lymph_Nodes_Examined > 13.50 AND Age <= 67.00 AND Survival_Months <= 94.50 AND Tumor_Size_cm > 3.73 AND Tumor_Size_cm > 4.99 AND Lymph_Nodes_Examined > 17.50 AND BMI > 17.15 THEN class = Lung

Rule 773: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI <= 23.35 AND Tumor_Size_cm <= 7.12 AND Age > 46.50 AND Age > 52.50 AND Lymph_Nodes_Examined > 13.50 AND Age <= 67.00 AND Survival_Months > 94.50 AND Lymph_Nodes_Positive <= 17.50 THEN class = Prostate

Rule 774: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI <= 23.35 AND Tumor_Size_cm <= 7.12 AND Age > 46.50 AND Age > 52.50 AND Lymph_Nodes_Examined > 13.50 AND Age <= 67.00 AND Survival_Months > 94.50 AND Lymph_Nodes_Positive > 17.50 THEN class = Skin

Rule 775: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI <= 23.35 AND Tumor_Size_cm <= 7.12 AND Age > 46.50 AND Age > 52.50 AND Lymph_Nodes_Examined > 13.50 AND Age > 67.00 AND Lymph_Nodes_Examined <= 17.50 AND Tumor_Size_cm <= 6.72 THEN class = Colon

Rule 776: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI <= 23.35 AND Tumor_Size_cm <= 7.12 AND Age > 46.50 AND Age > 52.50 AND Lymph_Nodes_Examined > 13.50 AND Age > 67.00 AND Lymph_Nodes_Examined <= 17.50 AND Tumor_Size_cm > 6.72 THEN class = Prostate

Rule 777: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI <= 23.35 AND Tumor_Size_cm <= 7.12 AND Age > 46.50 AND Age > 52.50 AND Lymph_Nodes_Examined > 13.50 AND Age > 67.00 AND Lymph_Nodes_Examined > 17.50 THEN class = Lung

Rule 778: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI <= 23.35 AND Tumor_Size_cm > 7.12 AND BMI <= 22.85 AND Survival_Months <= 79.00 AND Tumor_Size_cm <= 7.30 AND Survival_Months <= 59.50 THEN class = Colon

Rule 779: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI <= 23.35 AND Tumor_Size_cm > 7.12 AND BMI <= 22.85 AND Survival_Months <= 79.00 AND Tumor_Size_cm <= 7.30 AND Survival_Months > 59.50 THEN class = Leukemia

Rule 780: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI <= 23.35 AND Tumor_Size_cm > 7.12 AND BMI <= 22.85 AND Survival_Months <= 79.00 AND Tumor_Size_cm > 7.30 AND Tumor_Size_cm <= 9.81 AND Tumor_Size_cm <= 9.03 AND Lymph_Nodes_Examined <= 12.50 THEN class = Breast

Rule 781: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI <= 23.35 AND Tumor_Size_cm > 7.12 AND BMI <= 22.85 AND Survival_Months <= 79.00 AND Tumor_Size_cm > 7.30 AND Tumor_Size_cm <= 9.81 AND Tumor_Size_cm <= 9.03 AND Lymph_Nodes_Examined > 12.50 AND Lymph_Nodes_Examined <= 15.50 AND Survival_Months <= 62.00 AND Age <= 38.00 THEN class = Prostate

Rule 782: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI <= 23.35 AND Tumor_Size_cm > 7.12 AND BMI <= 22.85 AND Survival_Months <= 79.00 AND Tumor_Size_cm > 7.30 AND Tumor_Size_cm <= 9.81 AND Tumor_Size_cm <= 9.03 AND Lymph_Nodes_Examined > 12.50 AND Lymph_Nodes_Examined <= 15.50 AND Survival_Months <= 62.00 AND Age > 38.00 AND Age <= 49.50 THEN class = Colon

Rule 783: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI <= 23.35 AND Tumor_Size_cm > 7.12 AND BMI <= 22.85 AND Survival_Months <= 79.00 AND Tumor_Size_cm > 7.30 AND Tumor_Size_cm <= 9.81 AND Tumor_Size_cm <= 9.03 AND Lymph_Nodes_Examined > 12.50 AND

Lymph_Nodes_Examined <= 15.50 AND Survival_Months <= 62.00 AND Age > 38.00 AND Age > 49.50 THEN class = Lung

Rule 784: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI <= 23.35 AND Tumor_Size_cm > 7.12 AND BMI <= 22.85 AND Survival_Months <= 79.00 AND Tumor_Size_cm > 7.30 AND Tumor_Size_cm <= 9.81 AND Tumor_Size_cm <= 9.03 AND Lymph_Nodes_Examined > 12.50 AND Lymph_Nodes_Examined <= 15.50 AND Survival_Months > 62.00 THEN class = Prostate

Rule 785: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI <= 23.35 AND Tumor_Size_cm > 7.12 AND BMI <= 22.85 AND Survival_Months <= 79.00 AND Tumor_Size_cm > 7.30 AND Tumor_Size_cm <= 9.81 AND Tumor_Size_cm <= 9.03 AND Lymph_Nodes_Examined > 12.50 AND Lymph_Nodes_Examined > 15.50 AND BMI <= 17.95 THEN class = Breast

Rule 786: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI <= 23.35 AND Tumor_Size_cm > 7.12 AND BMI <= 22.85 AND Survival_Months <= 79.00 AND Tumor_Size_cm > 7.30 AND Tumor_Size_cm <= 9.81 AND Tumor_Size_cm <= 9.03 AND Lymph_Nodes_Examined > 12.50 AND Lymph_Nodes_Examined > 15.50 AND BMI > 17.95 AND Survival_Months <= 76.50 THEN class = Colon

Rule 787: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI <= 23.35 AND Tumor_Size_cm > 7.12 AND BMI <= 22.85 AND Survival_Months <= 79.00 AND Tumor_Size_cm > 7.30 AND Tumor_Size_cm <= 9.81 AND Tumor_Size_cm <= 9.03 AND Lymph_Nodes_Examined > 12.50 AND Lymph_Nodes_Examined > 15.50 AND BMI > 17.95 AND Survival_Months > 76.50 THEN class = Lung

Rule 788: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI <= 23.35 AND Tumor_Size_cm > 7.12 AND BMI <= 22.85 AND Survival_Months <= 79.00 AND Tumor_Size_cm > 7.30 AND Tumor_Size_cm <= 9.81 AND Tumor_Size_cm > 9.03 THEN class = Prostate

Rule 789: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI <= 23.35 AND Tumor_Size_cm > 7.12 AND BMI <= 22.85 AND Survival_Months <= 79.00 AND Tumor_Size_cm > 7.30 AND Tumor_Size_cm > 9.81 AND Lymph_Nodes_Positive <= 9.50 THEN class = Leukemia

Rule 790: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI <= 23.35 AND Tumor_Size_cm > 7.12 AND BMI <= 22.85 AND Survival_Months <= 79.00 AND Tumor_Size_cm > 7.30 AND Tumor_Size_cm > 9.81 AND Lymph_Nodes_Positive > 9.50 THEN class = Colon

Rule 791: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI <= 23.35 AND Tumor_Size_cm > 7.12 AND BMI <= 22.85 AND Survival_Months > 79.00 AND Survival_Months <= 106.50 AND Tumor_Size_cm <= 9.42 AND BMI <= 22.20 AND Lymph_Nodes_Positive <= 11.50 AND Lymph_Nodes_Examined <= 9.50 THEN class = Prostate

Rule 792: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI <= 23.35 AND Tumor_Size_cm > 7.12 AND BMI <= 22.85 AND Survival_Months > 79.00 AND Survival_Months <= 106.50 AND Tumor_Size_cm <= 9.42 AND BMI <= 22.20 AND Lymph_Nodes_Positive <= 11.50 AND Lymph_Nodes_Examined > 9.50 AND Lymph_Nodes_Positive <= 8.00 AND Lymph_Nodes_Examined <= 12.00 THEN class = Leukemia

Rule 793: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI <= 23.35 AND Tumor_Size_cm > 7.12 AND BMI <= 22.85 AND Survival_Months > 79.00 AND Survival_Months <= 106.50 AND Tumor_Size_cm <= 9.42 AND BMI <= 22.20 AND Lymph_Nodes_Positive <= 11.50 AND Lymph_Nodes_Examined > 9.50 AND Lymph_Nodes_Positive <= 8.00 AND Lymph_Nodes_Examined > 12.00 THEN class = Breast

Rule 794: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI <= 23.35 AND Tumor_Size_cm > 7.12 AND BMI <= 22.85 AND Survival_Months > 79.00 AND Survival_Months <= 106.50 AND Tumor_Size_cm <= 9.42 AND BMI <= 22.20 AND Lymph_Nodes_Positive <= 11.50 AND Lymph_Nodes_Examined > 9.50 AND Lymph_Nodes_Positive > 8.00 THEN class = Breast

Rule 795: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI <= 23.35 AND Tumor_Size_cm > 7.12 AND BMI <= 22.85 AND Survival_Months > 79.00 AND Survival_Months <= 106.50 AND Tumor_Size_cm <= 9.42 AND BMI <= 22.20 AND Lymph_Nodes_Positive > 11.50 THEN class = Leukemia

Rule 796: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI <= 23.35 AND Tumor_Size_cm > 7.12 AND BMI <= 22.85 AND Survival_Months > 79.00 AND Survival_Months <= 106.50 AND Tumor_Size_cm <= 9.42 AND BMI > 22.20 AND Age <= 36.00 THEN class = Leukemia

Rule 797: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI <= 23.35 AND Tumor_Size_cm > 7.12 AND BMI <= 22.85 AND Survival_Months > 79.00 AND Survival_Months <= 106.50 AND Tumor_Size_cm <= 9.42 AND BMI > 22.20 AND Age > 36.00 THEN class = Colon

Rule 798: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND

Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI <= 23.35 AND Tumor_Size_cm > 7.12 AND BMI <= 22.85 AND Survival_Months > 79.00 AND Survival_Months <= 106.50 AND Tumor_Size_cm > 9.42 AND Lymph_Nodes_Examined <= 13.50 THEN class = Skin

Rule 799: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI <= 23.35 AND Tumor_Size_cm > 7.12 AND BMI <= 22.85 AND Survival_Months > 79.00 AND Survival_Months <= 106.50 AND Tumor_Size_cm > 9.42 AND Lymph_Nodes_Examined > 13.50 THEN class = Breast

Rule 800: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI <= 23.35 AND Tumor_Size_cm > 7.12 AND BMI <= 22.85 AND Survival_Months > 79.00 AND Survival_Months > 106.50 AND Survival_Months <= 112.50 THEN class = Lung

Rule 801: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI <= 23.35 AND Tumor_Size_cm > 7.12 AND BMI <= 22.85 AND Survival_Months > 79.00 AND Survival_Months > 106.50 AND Survival_Months > 112.50 AND Lymph_Nodes_Positive <= 9.50 THEN class = Skin

Rule 802: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI <= 23.35 AND Tumor_Size_cm > 7.12 AND BMI <= 22.85 AND Survival_Months > 79.00 AND Survival_Months > 106.50 AND Survival_Months > 112.50 AND Lymph_Nodes_Positive > 9.50 THEN class = Colon

Rule 803: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI <= 23.35 AND Tumor_Size_cm > 7.12 AND BMI > 22.85 THEN class = Leukemia

Rule 804: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age <= 77.50 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 8.50 AND Age > 26.50 AND BMI > 23.35 THEN class = Prostate

Rule 805: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age > 77.50 AND Survival_Months <= 58.50 AND Age <= 79.50 THEN class = Prostate

Rule 806: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age > 77.50 AND Survival_Months <= 58.50 AND Age > 79.50 THEN class = Colon

Rule 807: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age > 77.50 AND Survival_Months > 58.50 AND Age <= 80.50 AND Tumor_Size_cm <= 1.30 AND BMI <= 22.10 THEN class = Prostate

Rule 808: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age > 77.50 AND Survival_Months > 58.50 AND Age <= 80.50 AND Tumor_Size_cm <= 1.30 AND BMI > 22.10 THEN class = Colon

Rule 809: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age > 77.50 AND Survival_Months > 58.50 AND Age <= 80.50 AND Tumor_Size_cm > 1.30 AND BMI <= 22.55 AND Lymph_Nodes_Examined <= 13.50 THEN class = Leukemia

Rule 810: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age > 77.50 AND Survival_Months > 58.50 AND Age <= 80.50 AND Tumor_Size_cm > 1.30 AND BMI <= 22.55 AND Lymph_Nodes_Examined > 13.50 AND Lymph_Nodes_Examined <= 16.50 AND Tumor_Size_cm <= 4.51 THEN class = Prostate

Rule 811: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age > 77.50 AND Survival_Months > 58.50 AND Age <= 80.50 AND Tumor_Size_cm > 1.30 AND BMI <= 22.55 AND Lymph_Nodes_Examined > 13.50 AND Lymph_Nodes_Examined <= 16.50 AND Tumor_Size_cm > 4.51 AND BMI <= 20.35 THEN class = Colon

Rule 812: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age > 77.50 AND Survival_Months > 58.50 AND Age <= 80.50 AND Tumor_Size_cm > 1.30 AND BMI <= 22.55 AND Lymph_Nodes_Examined > 13.50 AND Lymph_Nodes_Examined <= 16.50 AND Tumor_Size_cm > 4.51 AND BMI > 20.35 THEN class = Lung

Rule 813: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age > 77.50 AND Survival_Months > 58.50 AND Age <= 80.50 AND Tumor_Size_cm > 1.30 AND BMI <= 22.55 AND Lymph_Nodes_Examined > 13.50 AND Lymph_Nodes_Examined > 16.50 AND Survival_Months <= 73.00 THEN class = Prostate

Rule 814: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age > 77.50 AND Survival_Months > 58.50 AND Age <= 80.50 AND Tumor_Size_cm > 1.30 AND BMI <= 22.55 AND Lymph_Nodes_Examined > 13.50 AND Lymph_Nodes_Examined > 16.50 AND Survival_Months > 73.00 THEN class = Leukemia

Rule 815: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age > 77.50 AND Survival_Months > 58.50 AND Age <= 80.50 AND Tumor_Size_cm > 1.30 AND BMI > 22.55 THEN class = Prostate

Rule 816: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age > 77.50 AND Survival_Months > 58.50 AND Age > 80.50 AND Tumor_Size_cm <= 5.46 AND Lymph_Nodes_Positive <= 10.50 AND Lymph_Nodes_Positive <= 9.50 AND Survival_Months <= 107.50 AND Lymph_Nodes_Examined <= 17.50 THEN class = Breast

Rule 817: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age > 77.50 AND Survival_Months > 58.50 AND Age > 80.50 AND Tumor_Size_cm <= 5.46 AND Lymph_Nodes_Positive <= 10.50 AND Lymph_Nodes_Positive <= 9.50 AND Survival_Months <= 107.50 AND Lymph_Nodes_Examined > 17.50 THEN class = Colon

Rule 818: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age > 77.50 AND Survival_Months > 58.50 AND Age > 80.50 AND Tumor_Size_cm <= 5.46 AND Lymph_Nodes_Positive <= 10.50 AND Lymph_Nodes_Positive <= 9.50 AND Survival_Months > 107.50 THEN class = Prostate

Rule 819: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age > 77.50 AND Survival_Months > 58.50 AND Age > 80.50 AND

Tumor_Size_cm <= 5.46 AND Lymph_Nodes_Positive <= 10.50 AND Lymph_Nodes_Positive > 9.50 THEN class = Prostate

Rule 820: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age > 77.50 AND Survival_Months > 58.50 AND Age > 80.50 AND Tumor_Size_cm <= 5.46 AND Lymph_Nodes_Positive > 10.50 THEN class = Skin

Rule 821: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age > 77.50 AND Survival_Months > 58.50 AND Age > 80.50 AND Tumor_Size_cm > 5.46 AND Lymph_Nodes_Examined <= 4.50 AND Survival_Months <= 73.50 THEN class = Prostate

Rule 822: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age > 77.50 AND Survival_Months > 58.50 AND Age > 80.50 AND Tumor_Size_cm > 5.46 AND Lymph_Nodes_Examined <= 4.50 AND Survival_Months > 73.50 AND BMI <= 22.40 AND Lymph_Nodes_Examined <= 3.50 THEN class = Lung

Rule 823: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age > 77.50 AND Survival_Months > 58.50 AND Age > 80.50 AND Tumor_Size_cm > 5.46 AND Lymph_Nodes_Examined <= 4.50 AND Survival_Months > 73.50 AND BMI <= 22.40 AND Lymph_Nodes_Examined > 3.50 THEN class = Colon

Rule 824: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age > 77.50 AND Survival_Months > 58.50 AND Age > 80.50 AND Tumor_Size_cm > 5.46 AND Lymph_Nodes_Examined <= 4.50 AND Survival_Months > 73.50 AND BMI > 22.40 THEN class = Leukemia

Rule 825: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age > 77.50 AND Survival_Months > 58.50 AND Age > 80.50 AND Tumor_Size_cm > 5.46 AND Lymph_Nodes_Examined > 4.50 AND Tumor_Size_cm <= 9.03 AND Survival_Months <= 87.00 AND Survival_Months <= 71.00 THEN class = Leukemia

Rule 826: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age > 77.50 AND Survival_Months > 58.50 AND Age > 80.50 AND Tumor_Size_cm > 5.46 AND Lymph_Nodes_Examined > 4.50 AND Tumor_Size_cm <= 9.03 AND Survival_Months <= 87.00 AND Survival_Months > 71.00 THEN class = Breast

Rule 827: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age > 77.50 AND Survival_Months > 58.50 AND Age > 80.50 AND Tumor_Size_cm > 5.46 AND Lymph_Nodes_Examined > 4.50 AND Tumor_Size_cm <= 9.03 AND Survival_Months > 87.00 THEN class = Leukemia

Rule 828: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age > 77.50 AND Survival_Months > 58.50 AND Age > 80.50 AND Tumor_Size_cm > 5.46 AND Lymph_Nodes_Examined > 4.50 AND Tumor_Size_cm > 9.03 AND BMI <= 19.95 AND Survival_Months <= 64.00 THEN class = Leukemia

Rule 829: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age > 77.50 AND Survival_Months > 58.50 AND Age > 80.50 AND Tumor_Size_cm > 5.46 AND Lymph_Nodes_Examined > 4.50 AND Tumor_Size_cm > 9.03 AND BMI <= 19.95 AND Survival_Months > 64.00 THEN class = Skin

Rule 830: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age <= 85.50 AND Age > 77.50 AND Survival_Months > 58.50 AND Age > 80.50 AND Tumor_Size_cm > 5.46 AND Lymph_Nodes_Examined > 4.50 AND Tumor_Size_cm > 9.03 AND BMI > 19.95 THEN class = Prostate

Rule 831: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age > 85.50 AND BMI <= 19.25 AND Tumor_Size_cm <= 1.52 THEN class = Skin

Rule 832: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age > 85.50 AND BMI <= 19.25 AND Tumor_Size_cm > 1.52 AND Survival_Months <= 96.50 AND Tumor_Size_cm <= 6.07 THEN class = Prostate

Rule 833: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age > 85.50 AND BMI <= 19.25 AND Tumor_Size_cm > 1.52 AND Survival_Months <= 96.50 AND Tumor_Size_cm > 6.07 THEN class = Colon

Rule 834: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age > 85.50 AND BMI <= 19.25 AND Tumor_Size_cm > 1.52 AND Survival_Months > 96.50 THEN class = Colon

Rule 835: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age > 85.50 AND BMI > 19.25 AND BMI <= 23.05 AND Age <= 88.50 AND Tumor_Size_cm <= 5.47 AND BMI <= 19.95 THEN class = Lung

Rule 836: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age > 85.50 AND BMI > 19.25 AND BMI <= 23.05 AND Age <= 88.50 AND Tumor_Size_cm <= 5.47 AND BMI > 19.95 AND Tumor_Size_cm <= 0.93 THEN class = Colon

Rule 837: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age > 85.50 AND BMI > 19.25 AND BMI <= 23.05 AND Age <= 88.50 AND Tumor_Size_cm <= 5.47 AND BMI > 19.95 AND Tumor_Size_cm > 0.93 THEN class = Skin

Rule 838: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age > 85.50 AND BMI > 19.25 AND BMI <= 23.05 AND Age <= 88.50 AND Tumor_Size_cm > 5.47 AND Tumor_Size_cm <= 8.80 THEN class = Colon

Rule 839: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age > 85.50 AND BMI > 19.25 AND BMI <= 23.05 AND Age <= 88.50 AND Tumor_Size_cm > 5.47 AND Tumor_Size_cm > 8.80 AND Tumor_Size_cm <= 9.49 THEN class = Skin

Rule 840: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age > 85.50 AND BMI > 19.25 AND BMI <= 23.05 AND Age <= 88.50 AND Tumor_Size_cm > 5.47 AND Tumor_Size_cm > 8.80 AND Tumor_Size_cm > 9.49 THEN class = Colon

Rule 841: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age > 85.50 AND BMI > 19.25 AND BMI <= 23.05 AND Age > 88.50 AND Tumor_Size_cm <= 8.14 THEN class = Prostate

Rule 842: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age > 85.50 AND BMI > 19.25 AND BMI <= 23.05 AND Age > 88.50 AND Tumor_Size_cm > 8.14 THEN class = Lung

Rule 843: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months <= 115.50 AND Age > 85.50 AND BMI > 19.25 AND BMI > 23.05 THEN class = Skin

Rule 844: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months > 115.50 AND BMI <= 16.10 AND Age <= 74.00 THEN class = Breast

Rule 845: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months > 115.50 AND BMI <= 16.10 AND Age > 74.00 THEN class = Colon

Rule 846: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months > 115.50 AND BMI > 16.10 AND Lymph_Nodes_Positive <= 5.50 AND BMI <= 21.30 THEN class = Leukemia

Rule 847: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months > 115.50 AND BMI > 16.10 AND Lymph_Nodes_Positive <= 5.50 AND BMI > 21.30 AND BMI <= 23.00 AND Age <= 64.50 THEN class = Lung

Rule 848: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months > 115.50 AND BMI > 16.10 AND Lymph_Nodes_Positive <= 5.50 AND BMI > 21.30 AND BMI <= 23.00 AND Age > 64.50 AND Lymph_Nodes_Examined <= 11.50 THEN class = Breast

Rule 849: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months > 115.50 AND BMI > 16.10 AND Lymph_Nodes_Positive <= 5.50 AND BMI > 21.30 AND BMI <= 23.00 AND Age > 64.50 AND Lymph_Nodes_Examined > 11.50 THEN class = Colon

Rule 850: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months > 115.50 AND BMI > 16.10 AND Lymph_Nodes_Positive <= 5.50 AND BMI > 21.30 AND BMI > 23.00 THEN class = Leukemia

Rule 851: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months > 115.50 AND BMI > 16.10 AND Lymph_Nodes_Positive > 5.50 AND BMI <= 21.00 THEN class = Skin

Rule 852: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months > 115.50 AND BMI > 16.10 AND Lymph_Nodes_Positive > 5.50 AND BMI > 21.00 AND BMI <= 22.70 THEN class = Leukemia

Rule 853: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months > 115.50 AND BMI > 16.10 AND Lymph_Nodes_Positive > 5.50 AND BMI > 21.00 AND BMI > 22.70 AND Lymph_Nodes_Examined <= 11.00 THEN class = Skin

Rule 854: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI <= 23.55 AND Survival_Months > 115.50 AND BMI > 16.10 AND Lymph_Nodes_Positive > 5.50 AND BMI > 21.00 AND BMI > 22.70 AND Lymph_Nodes_Examined > 11.00 THEN class = Colon

Rule 855: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm <= 1.61 AND Survival_Months <= 100.50 AND Lymph_Nodes_Positive <= 3.50 AND Tumor_Size_cm <= 0.90 AND Lymph_Nodes_Positive <= 1.50 AND BMI <= 37.85 AND Age <= 54.00 AND BMI <= 27.85 THEN class = Leukemia

Rule 856: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm <= 1.61 AND Survival_Months <= 100.50 AND Lymph_Nodes_Positive <= 3.50 AND Tumor_Size_cm <= 0.90 AND Lymph_Nodes_Positive <= 1.50 AND BMI <= 37.85 AND Age <= 54.00 AND BMI > 27.85 THEN class = Skin

Rule 857: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm <= 1.61 AND Survival_Months <= 100.50 AND Lymph_Nodes_Positive <= 3.50 AND Tumor_Size_cm <= 0.90 AND Lymph_Nodes_Positive <= 1.50 AND BMI <= 37.85 AND Age > 54.00 THEN class = Skin

Rule 858: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm <= 1.61 AND Survival_Months <= 100.50 AND Lymph_Nodes_Positive <= 3.50 AND Tumor_Size_cm <= 0.90 AND Lymph_Nodes_Positive <= 1.50 AND BMI > 37.85 THEN class = Colon

Rule 859: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm <= 1.61 AND Survival_Months <= 100.50 AND Lymph_Nodes_Positive <= 3.50 AND Tumor_Size_cm <= 0.90 AND Lymph_Nodes_Positive > 1.50 AND Age <= 76.50 AND Survival_Months <= 61.50 THEN class = Skin

Rule 860: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm <= 1.61 AND Survival_Months <= 100.50 AND Lymph_Nodes_Positive <= 3.50 AND Tumor_Size_cm <= 0.90 AND Lymph_Nodes_Positive > 1.50 AND Age <= 76.50 AND Survival_Months > 61.50 THEN class = Lung

Rule 861: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm <= 1.61 AND Survival_Months <= 100.50 AND Lymph_Nodes_Positive <= 3.50 AND Tumor_Size_cm <= 0.90 AND Lymph_Nodes_Positive > 1.50 AND Age > 76.50 THEN class = Prostate

Rule 862: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm <= 1.61 AND Survival_Months <= 100.50 AND Lymph_Nodes_Positive <= 3.50 AND Tumor_Size_cm > 0.90 AND Age <= 33.00 AND Survival_Months <= 75.50 THEN class = Skin

Rule 863: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm <= 1.61 AND Survival_Months <= 100.50 AND Lymph_Nodes_Positive <= 3.50 AND Tumor_Size_cm > 0.90 AND Age <= 33.00 AND Survival_Months > 75.50 AND Lymph_Nodes_Examined <= 1.50 THEN class = Skin

Rule 864: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm <= 1.61 AND Survival_Months <= 100.50 AND Lymph_Nodes_Positive <= 3.50 AND Tumor_Size_cm > 0.90 AND Age <= 33.00 AND Survival_Months > 75.50 AND Lymph_Nodes_Examined > 1.50 AND Lymph_Nodes_Examined <= 5.50 THEN class = Prostate

Rule 865: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm <= 1.61 AND Survival_Months <= 100.50 AND Lymph_Nodes_Positive <= 3.50 AND Tumor_Size_cm > 0.90 AND Age <= 33.00 AND Survival_Months > 75.50 AND Lymph_Nodes_Examined > 1.50 AND Lymph_Nodes_Examined > 5.50 THEN class = Lung

Rule 866: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm <= 1.61 AND Survival_Months <= 100.50 AND Lymph_Nodes_Positive <= 3.50 AND Tumor_Size_cm > 0.90 AND Age > 33.00 AND Tumor_Size_cm <= 0.96 THEN class = Breast

Rule 867: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm <= 1.61 AND Survival_Months <= 100.50 AND Lymph_Nodes_Positive <= 3.50 AND Tumor_Size_cm > 0.90 AND Age > 33.00 AND Tumor_Size_cm > 0.96 AND Age <= 60.50 AND Survival_Months <= 64.00 THEN class = Breast

Rule 868: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm <= 1.61 AND Survival_Months <= 100.50 AND Lymph_Nodes_Positive <= 3.50 AND Tumor_Size_cm > 0.90 AND Age > 33.00 AND Tumor_Size_cm > 0.96 AND Age <= 60.50 AND Survival_Months > 64.00 AND Lymph_Nodes_Examined <= 0.50 THEN class = Breast

Rule 869: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm <= 1.61 AND Survival_Months <= 100.50 AND Lymph_Nodes_Positive <= 3.50 AND Tumor_Size_cm >

0.90 AND Age > 33.00 AND Tumor_Size_cm > 0.96 AND Age <= 60.50 AND Survival_Months > 64.00 AND Lymph_Nodes_Examined > 0.50 THEN class = Prostate

Rule 870: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm <= 1.61 AND Survival_Months <= 100.50 AND Lymph_Nodes_Positive <= 3.50 AND Tumor_Size_cm > 0.90 AND Age > 33.00 AND Tumor_Size_cm > 0.96 AND Age > 60.50 AND BMI <= 27.15 AND Tumor_Size_cm <= 1.08 THEN class = Leukemia

Rule 871: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm <= 1.61 AND Survival_Months <= 100.50 AND Lymph_Nodes_Positive <= 3.50 AND Tumor_Size_cm > 0.90 AND Age > 33.00 AND Tumor_Size_cm > 0.96 AND Age > 60.50 AND BMI <= 27.15 AND Tumor_Size_cm > 1.08 AND BMI <= 25.95 AND Tumor_Size_cm <= 1.12 THEN class = Prostate

Rule 872: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm <= 1.61 AND Survival_Months <= 100.50 AND Lymph_Nodes_Positive <= 3.50 AND Tumor_Size_cm > 0.90 AND Age > 33.00 AND Tumor_Size_cm > 0.96 AND Age > 60.50 AND BMI <= 27.15 AND Tumor_Size_cm > 1.08 AND BMI <= 25.95 AND Tumor_Size_cm > 1.12 AND Age <= 79.00 THEN class = Breast

Rule 873: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm <= 1.61 AND Survival_Months <= 100.50 AND Lymph_Nodes_Positive <= 3.50 AND Tumor_Size_cm > 0.90 AND Age > 33.00 AND Tumor_Size_cm > 0.96 AND Age > 60.50 AND BMI <= 27.15 AND Tumor_Size_cm > 1.08 AND BMI <= 25.95 AND Tumor_Size_cm > 1.12 AND Age > 79.00 THEN class = Lung

Rule 874: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm <= 1.61 AND Survival_Months <= 100.50 AND Lymph_Nodes_Positive <= 3.50 AND Tumor_Size_cm > 0.90 AND Age > 33.00 AND Tumor_Size_cm > 0.96 AND Age > 60.50 AND BMI <= 27.15 AND Tumor_Size_cm > 1.08 AND BMI > 25.95 THEN class = Skin

Rule 875: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm <= 1.61 AND Survival_Months <= 100.50 AND Lymph_Nodes_Positive <= 3.50 AND Tumor_Size_cm > 0.90 AND Age > 33.00 AND Tumor_Size_cm > 0.96 AND Age > 60.50 AND BMI > 27.15 THEN class = Leukemia

Rule 876: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm <= 1.61 AND Survival_Months <= 100.50 AND Lymph_Nodes_Positive > 3.50 AND Tumor_Size_cm <= 0.67 THEN class = Leukemia

Rule 877: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm <= 1.61 AND Survival_Months <= 100.50 AND Lymph_Nodes_Positive > 3.50 AND Tumor_Size_cm > 0.67 AND Age <= 27.50 THEN class = Skin

Rule 878: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm <= 1.61 AND Survival_Months <= 100.50 AND Lymph_Nodes_Positive > 3.50 AND Tumor_Size_cm > 0.67 AND Age > 27.50 AND Age <= 40.50 AND Age <= 33.50 THEN class = Leukemia

Rule 879: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm <= 1.61 AND Survival_Months <= 100.50 AND Lymph_Nodes_Positive > 3.50 AND Tumor_Size_cm > 0.67 AND Age > 27.50 AND Age <= 40.50 AND Age > 33.50 THEN class = Colon

Rule 880: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm <= 1.61 AND Survival_Months <= 100.50 AND Lymph_Nodes_Positive > 3.50 AND Tumor_Size_cm > 0.67

AND Age > 27.50 AND Age > 40.50 AND Survival_Months <= 84.50 AND BMI <= 26.15 AND Age <= 69.50 THEN class = Leukemia

Rule 881: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm <= 1.61 AND Survival_Months <= 100.50 AND Lymph_Nodes_Positive > 3.50 AND Tumor_Size_cm > 0.67 AND Age > 27.50 AND Age > 40.50 AND Survival_Months <= 84.50 AND BMI <= 26.15 AND Age > 69.50 AND Survival_Months <= 63.00 THEN class = Lung

Rule 882: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm <= 1.61 AND Survival_Months <= 100.50 AND Lymph_Nodes_Positive > 3.50 AND Tumor_Size_cm > 0.67 AND Age > 27.50 AND Age > 40.50 AND Survival_Months <= 84.50 AND BMI <= 26.15 AND Age > 69.50 AND Survival_Months > 63.00 THEN class = Skin

Rule 883: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm <= 1.61 AND Survival_Months <= 100.50 AND Lymph_Nodes_Positive > 3.50 AND Tumor_Size_cm > 0.67 AND Age > 27.50 AND Age > 40.50 AND Survival_Months <= 84.50 AND BMI > 26.15 AND Age <= 48.00 AND Age <= 43.00 THEN class = Prostate

Rule 884: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm <= 1.61 AND Survival_Months <= 100.50 AND Lymph_Nodes_Positive > 3.50 AND Tumor_Size_cm > 0.67 AND Age > 27.50 AND Age > 40.50 AND Survival_Months <= 84.50 AND BMI > 26.15 AND Age <= 48.00 AND Age > 43.00 THEN class = Lung

Rule 885: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm <= 1.61 AND Survival_Months <= 100.50 AND Lymph_Nodes_Positive > 3.50 AND Tumor_Size_cm > 0.67 AND Age > 27.50 AND Age > 40.50 AND Survival_Months <= 84.50 AND BMI > 26.15 AND Age > 48.00 AND Lymph_Nodes_Examined <= 17.00 THEN class = Colon

Rule 886: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm <= 1.61 AND Survival_Months <= 100.50 AND Lymph_Nodes_Positive > 3.50 AND Tumor_Size_cm > 0.67 AND Age > 27.50 AND Age > 40.50 AND Survival_Months <= 84.50 AND BMI > 26.15 AND Age > 48.00 AND Lymph_Nodes_Examined > 17.00 THEN class = Skin

Rule 887: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm <= 1.61 AND Survival_Months <= 100.50 AND Lymph_Nodes_Positive > 3.50 AND Tumor_Size_cm > 0.67 AND Age > 27.50 AND Age > 40.50 AND Survival_Months > 84.50 AND Lymph_Nodes_Examined <= 15.50 AND Survival_Months <= 92.50 THEN class = Breast

Rule 888: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm <= 1.61 AND Survival_Months <= 100.50 AND Lymph_Nodes_Positive > 3.50 AND Tumor_Size_cm > 0.67 AND Age > 27.50 AND Age > 40.50 AND Survival_Months > 84.50 AND Lymph_Nodes_Examined <= 15.50 AND Survival_Months > 92.50 AND BMI <= 26.50 THEN class = Colon

Rule 889: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm <= 1.61 AND Survival_Months <= 100.50 AND Lymph_Nodes_Positive > 3.50 AND Tumor_Size_cm > 0.67 AND Age > 27.50 AND Age > 40.50 AND Survival_Months > 84.50 AND Lymph_Nodes_Examined <= 15.50 AND Survival_Months > 92.50 AND BMI > 26.50 THEN class = Leukemia

Rule 890: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm <= 1.61 AND Survival_Months <= 100.50 AND Lymph_Nodes_Positive > 3.50 AND Tumor_Size_cm > 0.67 AND Age > 27.50 AND Age > 40.50 AND Survival_Months > 84.50 AND Lymph_Nodes_Examined > 15.50 AND Survival_Months <= 96.50 THEN class = Lung

Rule 891: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm <= 1.61 AND Survival_Months <= 100.50 AND Lymph_Nodes_Positive > 3.50 AND Tumor_Size_cm > 0.67 AND Age > 27.50 AND Age > 40.50 AND Survival_Months > 84.50 AND Lymph_Nodes_Examined > 15.50 AND Survival_Months > 96.50 THEN class = Breast

Rule 892: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm <= 1.61 AND Survival_Months > 100.50 AND Lymph_Nodes_Positive <= 0.50 AND BMI <= 24.25 THEN class = Breast

Rule 893: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm <= 1.61 AND Survival_Months > 100.50 AND Lymph_Nodes_Positive <= 0.50 AND BMI > 24.25 AND BMI <= 28.45 THEN class = Lung

Rule 894: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm <= 1.61 AND Survival_Months > 100.50 AND Lymph_Nodes_Positive <= 0.50 AND BMI > 24.25 AND BMI > 28.45 AND BMI <= 30.00 THEN class = Breast

Rule 895: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm <= 1.61 AND Survival_Months > 100.50 AND Lymph_Nodes_Positive <= 0.50 AND BMI > 24.25 AND BMI > 28.45 AND BMI > 30.00 AND Tumor_Size_cm <= 1.04 THEN class = Colon

Rule 896: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm <= 1.61 AND Survival_Months > 100.50 AND Lymph_Nodes_Positive <= 0.50 AND BMI > 24.25 AND BMI > 28.45 AND BMI > 30.00 AND Tumor_Size_cm > 1.04 THEN class = Lung

Rule 897: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm <= 1.61 AND Survival_Months > 100.50 AND Lymph_Nodes_Positive > 0.50 AND BMI <= 26.45 AND Survival_Months <= 107.50 AND Survival_Months <= 102.00 THEN class = Prostate

Rule 898: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm <= 1.61 AND Survival_Months > 100.50 AND Lymph_Nodes_Positive > 0.50 AND BMI <= 26.45 AND Survival_Months <= 107.50 AND Survival_Months > 102.00 THEN class = Leukemia

Rule 899: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm <= 1.61 AND Survival_Months > 100.50 AND Lymph_Nodes_Positive > 0.50 AND BMI <= 26.45 AND Survival_Months > 107.50 AND Tumor_Size_cm <= 1.53 THEN class = Prostate

Rule 900: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm <= 1.61 AND Survival_Months > 100.50 AND Lymph_Nodes_Positive > 0.50 AND BMI <= 26.45 AND Survival_Months > 107.50 AND Tumor_Size_cm > 1.53 THEN class = Lung

Rule 901: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm <= 1.61 AND Survival_Months > 100.50 AND Lymph_Nodes_Positive > 0.50 AND BMI > 26.45 AND Lymph_Nodes_Positive <= 1.50 THEN class = Skin

Rule 902: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm <= 1.61 AND Survival_Months > 100.50 AND Lymph_Nodes_Positive > 0.50 AND BMI > 26.45 AND Lymph_Nodes_Positive > 1.50 AND BMI <= 31.50 AND Tumor_Size_cm <= 0.82 THEN class = Colon

Rule 903: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm <= 1.61 AND Survival_Months > 100.50 AND Lymph_Nodes_Positive > 0.50 AND BMI > 26.45 AND Lymph_Nodes_Positive > 1.50 AND BMI <= 31.50 AND Tumor_Size_cm > 0.82 AND Lymph_Nodes_Examined <= 11.00 THEN class = Lung

Rule 904: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm <= 1.61 AND Survival_Months > 100.50 AND Lymph_Nodes_Positive > 0.50 AND BMI > 26.45 AND Lymph_Nodes_Positive > 1.50 AND BMI <= 31.50 AND Tumor_Size_cm > 0.82 AND Lymph_Nodes_Examined > 11.00 AND Age <= 58.50 THEN class = Lung

Rule 905: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm <= 1.61 AND Survival_Months > 100.50 AND Lymph_Nodes_Positive > 0.50 AND BMI > 26.45 AND Lymph_Nodes_Positive > 1.50 AND BMI <= 31.50 AND Tumor_Size_cm > 0.82 AND Lymph_Nodes_Examined > 11.00 AND Age > 58.50 THEN class = Skin

Rule 906: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm <= 1.61 AND Survival_Months > 100.50 AND Lymph_Nodes_Positive > 0.50 AND BMI > 26.45 AND Lymph_Nodes_Positive > 1.50 AND BMI > 31.50 AND Lymph_Nodes_Examined <= 14.00 THEN class = Leukemia

Rule 907: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm <= 1.61 AND Survival_Months > 100.50 AND Lymph_Nodes_Positive > 0.50 AND BMI > 26.45 AND Lymph_Nodes_Positive > 1.50 AND BMI > 31.50 AND Lymph_Nodes_Examined > 14.00 THEN class = Colon

Rule 908: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined <= 0.50 AND Survival_Months <= 65.00 THEN class = Leukemia

Rule 909: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined <= 0.50 AND Survival_Months > 65.00 AND Age <= 34.50 THEN class = Lung

Rule 910: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined <= 0.50 AND Survival_Months > 65.00 AND Age > 34.50 THEN class = Breast

Rule 911: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined <= 2.50 AND Tumor_Size_cm <= 9.38 AND Age <= 43.00 AND Tumor_Size_cm <= 4.94 AND BMI <= 24.15 THEN class = Colon

Rule 912: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined <= 2.50 AND Tumor_Size_cm <= 9.38 AND Age <= 43.00 AND Tumor_Size_cm <= 4.94 AND BMI > 24.15 AND Tumor_Size_cm <= 3.19 THEN class = Skin

Rule 913: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined <= 2.50 AND Tumor_Size_cm <= 9.38 AND Age <= 43.00 AND Tumor_Size_cm <= 4.94 AND BMI > 24.15 AND Tumor_Size_cm > 3.19 THEN class = Lung

Rule 914: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined <= 2.50 AND Tumor_Size_cm <= 9.38 AND Age <= 43.00 AND Tumor_Size_cm > 4.94 THEN class = Colon

Rule 915: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined <= 2.50 AND Tumor_Size_cm <= 9.38 AND Age > 43.00 AND Age <= 58.50 THEN class = Lung

Rule 916: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined <= 2.50 AND Tumor_Size_cm <= 9.38 AND Age > 43.00 AND Age > 58.50 AND Tumor_Size_cm <= 2.33 THEN class = Colon

Rule 917: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined <= 2.50 AND Tumor_Size_cm <= 9.38 AND Age > 43.00 AND Age > 58.50 AND Tumor_Size_cm > 2.33 AND Lymph_Nodes_Examined <= 1.50 THEN class = Skin

Rule 918: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined <= 2.50 AND Tumor_Size_cm <= 9.38 AND Age > 43.00 AND Age > 58.50 AND Tumor_Size_cm > 2.33 AND Lymph_Nodes_Examined > 1.50 AND Survival_Months <= 107.00 AND Lymph_Nodes_Positive <= 1.50 AND BMI <= 24.20 THEN class = Leukemia

Rule 919: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined <= 2.50 AND Tumor_Size_cm <= 9.38 AND Age > 43.00 AND Age > 58.50 AND Tumor_Size_cm > 2.33 AND Lymph_Nodes_Examined > 1.50 AND Survival_Months <= 107.00 AND Lymph_Nodes_Positive <= 1.50 AND BMI > 24.20 THEN class = Breast

Rule 920: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined <= 2.50 AND Tumor_Size_cm <= 9.38 AND Age > 43.00 AND Age > 58.50 AND Tumor_Size_cm > 2.33 AND Lymph_Nodes_Examined > 1.50 AND Survival_Months <= 107.00 AND Lymph_Nodes_Positive > 1.50 AND Age <= 66.50 THEN class = Leukemia

Rule 921: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined <= 2.50 AND Tumor_Size_cm <= 9.38 AND Age > 43.00 AND Age > 58.50 AND Tumor_Size_cm > 2.33 AND Lymph_Nodes_Examined > 1.50 AND Survival_Months <= 107.00 AND Lymph_Nodes_Positive > 1.50 AND Age > 66.50 THEN class = Colon

Rule 922: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined <= 2.50 AND Tumor_Size_cm <= 9.38 AND Age > 43.00 AND Age > 58.50 AND Tumor_Size_cm > 2.33 AND Lymph_Nodes_Examined > 1.50 AND Survival_Months > 107.00 THEN class = Prostate

Rule 923: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined <= 2.50 AND Tumor_Size_cm > 9.38 THEN class = Prostate

Rule 924: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm <= 7.18 AND Age <= 80.50 AND Lymph_Nodes_Positive <= 11.00 AND Tumor_Size_cm <= 5.89 AND BMI <= 24.55 AND BMI <= 23.65 AND Age <= 47.50 THEN class = Lung

Rule 925: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm <= 7.18 AND Age <= 80.50 AND Lymph_Nodes_Positive <= 11.00 AND Tumor_Size_cm <= 5.89 AND BMI <= 24.55 AND BMI <= 23.65 AND Age > 47.50 THEN class = Prostate

Rule 926: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm <= 7.18 AND Age <= 80.50 AND Lymph_Nodes_Positive <= 11.00 AND Tumor_Size_cm <= 5.89 AND BMI <= 24.55 AND BMI > 23.65 AND Lymph_Nodes_Examined <= 9.50 AND Lymph_Nodes_Examined <= 3.50 THEN class = Breast

Rule 927: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm <= 7.18 AND Age <= 80.50 AND Lymph_Nodes_Positive <= 11.00 AND Tumor_Size_cm <= 5.89 AND BMI <= 24.55 AND BMI > 23.65 AND Lymph_Nodes_Examined <= 9.50 AND Lymph_Nodes_Examined > 3.50 AND Survival_Months <= 94.50 AND Lymph_Nodes_Examined <= 8.50 THEN class = Colon

Rule 928: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm <= 7.18 AND Age <= 80.50 AND Lymph_Nodes_Positive <= 11.00 AND Tumor_Size_cm <= 5.89 AND BMI <= 24.55 AND BMI > 23.65 AND Lymph_Nodes_Examined <= 9.50 AND Lymph_Nodes_Examined > 3.50 AND Survival_Months <= 94.50 AND Lymph_Nodes_Examined > 8.50 THEN class = Prostate

Rule 929: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm <= 7.18 AND Age <= 80.50 AND Lymph_Nodes_Positive <= 11.00 AND Tumor_Size_cm <= 5.89 AND BMI <= 24.55 AND BMI > 23.65 AND Lymph_Nodes_Examined <= 9.50 AND Lymph_Nodes_Examined > 3.50 AND Survival_Months > 94.50 AND Lymph_Nodes_Examined <= 5.50 THEN class = Prostate

Rule 930: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm <= 7.18 AND Age <= 80.50 AND Lymph_Nodes_Positive <= 11.00 AND Tumor_Size_cm <= 5.89 AND BMI <= 24.55 AND BMI > 23.65 AND Lymph_Nodes_Examined <= 9.50 AND Lymph_Nodes_Examined > 3.50 AND Survival_Months > 94.50 AND Lymph_Nodes_Examined > 5.50 AND Age <= 72.00 THEN class = Breast

Rule 931: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm <= 7.18 AND Age <= 80.50 AND Lymph_Nodes_Positive <= 11.00 AND Tumor_Size_cm <= 5.89 AND BMI <= 24.55 AND BMI > 23.65 AND Lymph_Nodes_Examined <= 9.50 AND Lymph_Nodes_Examined > 3.50 AND Survival_Months > 94.50 AND Lymph_Nodes_Examined > 5.50 AND Age > 72.00 THEN class = Colon

Rule 932: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm <= 7.18 AND Age <= 80.50 AND Lymph_Nodes_Positive <= 11.00 AND Tumor_Size_cm <= 5.89 AND BMI <= 24.55 AND BMI > 23.65 AND Lymph_Nodes_Examined > 9.50 AND Lymph_Nodes_Positive <= 2.50 AND Lymph_Nodes_Positive <= 1.50 THEN class = Prostate

Rule 933: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm <= 7.18 AND Age <= 80.50 AND Lymph_Nodes_Positive <= 11.00 AND Tumor_Size_cm <= 5.89 AND BMI <= 24.55 AND BMI > 23.65 AND Lymph_Nodes_Examined > 9.50 AND Lymph_Nodes_Positive <= 2.50 AND Lymph_Nodes_Positive > 1.50 AND Age <= 35.00 THEN class = Lung

Rule 934: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm <= 7.18 AND Age <= 80.50 AND Lymph_Nodes_Positive <= 11.00 AND Tumor_Size_cm <= 5.89 AND BMI <= 24.55 AND BMI > 23.65 AND Lymph_Nodes_Examined > 9.50 AND Lymph_Nodes_Positive <= 2.50 AND Lymph_Nodes_Positive > 1.50 AND Age > 35.00 THEN class = Leukemia

Rule 935: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm <= 7.18 AND Age <= 80.50 AND Lymph_Nodes_Positive <= 11.00 AND Tumor_Size_cm <= 5.89 AND BMI <= 24.55 AND BMI > 23.65 AND Lymph_Nodes_Examined > 9.50 AND Lymph_Nodes_Positive > 2.50 THEN class = Breast

Rule 936: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm <= 7.18 AND Age <= 80.50 AND Lymph_Nodes_Positive <= 11.00 AND Tumor_Size_cm <= 5.89 AND BMI > 24.55 AND Age <= 48.00 AND Lymph_Nodes_Positive <= 7.50 AND Lymph_Nodes_Examined <= 14.00 AND Lymph_Nodes_Examined <= 8.50 AND Tumor_Size_cm <= 3.02 AND Survival_Months <= 75.50 THEN class = Skin

Rule 937: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm <= 7.18 AND Age <= 80.50 AND Lymph_Nodes_Positive <= 11.00 AND Tumor_Size_cm <= 5.89 AND BMI > 24.55 AND Age <= 48.00 AND Lymph_Nodes_Positive <= 7.50 AND Lymph_Nodes_Examined <= 14.00 AND Lymph_Nodes_Examined <= 8.50 AND Tumor_Size_cm <= 3.02 AND Survival_Months > 75.50 THEN class = Leukemia

Rule 938: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm <= 7.18 AND Age <= 80.50 AND Lymph_Nodes_Positive <= 11.00 AND Tumor_Size_cm <= 5.89 AND BMI > 24.55 AND Age <= 48.00 AND Lymph_Nodes_Positive <= 7.50 AND Lymph_Nodes_Examined <= 14.00 AND Lymph_Nodes_Examined <= 8.50 AND Tumor_Size_cm > 3.02 THEN class = Breast

Rule 939: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm <= 7.18 AND Age <= 80.50 AND Lymph_Nodes_Positive <= 11.00 AND Tumor_Size_cm <= 5.89 AND BMI > 24.55 AND Age <= 48.00 AND Lymph_Nodes_Positive <= 7.50 AND Lymph_Nodes_Examined <= 14.00 AND Lymph_Nodes_Examined > 8.50 THEN class = Colon

Rule 940: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm <= 7.18 AND Age <= 80.50 AND Lymph_Nodes_Positive <= 11.00 AND

Tumor_Size_cm <= 5.89 AND BMI > 24.55 AND Age <= 48.00 AND Lymph_Nodes_Positive <= 7.50 AND Lymph_Nodes_Examined > 14.00 THEN class = Leukemia

Rule 941: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm <= 7.18 AND Age <= 80.50 AND Lymph_Nodes_Positive <= 11.00 AND Tumor_Size_cm <= 5.89 AND BMI > 24.55 AND Age <= 48.00 AND Lymph_Nodes_Positive > 7.50 AND Age <= 27.50 THEN class = Prostate

Rule 942: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm <= 7.18 AND Age <= 80.50 AND Lymph_Nodes_Positive <= 11.00 AND Tumor_Size_cm <= 5.89 AND BMI > 24.55 AND Age <= 48.00 AND Lymph_Nodes_Positive > 7.50 AND Age > 27.50 AND Age <= 39.00 THEN class = Skin

Rule 943: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm <= 7.18 AND Age <= 80.50 AND Lymph_Nodes_Positive <= 11.00 AND Tumor_Size_cm <= 5.89 AND BMI > 24.55 AND Age <= 48.00 AND Lymph_Nodes_Positive > 7.50 AND Age > 27.50 AND Age > 39.00 AND Survival_Months <= 108.50 THEN class = Lung

Rule 944: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm <= 7.18 AND Age <= 80.50 AND Lymph_Nodes_Positive <= 11.00 AND Tumor_Size_cm <= 5.89 AND BMI > 24.55 AND Age <= 48.00 AND Lymph_Nodes_Positive > 7.50 AND Age > 27.50 AND Age > 39.00 AND Survival_Months > 108.50 THEN class = Skin

Rule 945: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm <= 7.18 AND Age <= 80.50 AND Lymph_Nodes_Positive <= 11.00 AND Tumor_Size_cm <= 5.89 AND BMI > 24.55 AND Age > 48.00 AND Lymph_Nodes_Positive <= 4.50 AND BMI <= 25.10 AND Age <= 79.50 THEN class = Prostate

Rule 946: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm <= 7.18 AND Age <= 80.50 AND Lymph_Nodes_Positive <= 11.00 AND Tumor_Size_cm <= 5.89 AND BMI > 24.55 AND Age > 48.00 AND Lymph_Nodes_Positive <= 4.50 AND BMI <= 25.10 AND Age > 79.50 THEN class = Skin

Rule 947: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm <= 7.18 AND Age <= 80.50 AND Lymph_Nodes_Positive <= 11.00 AND Tumor_Size_cm <= 5.89 AND BMI > 24.55 AND Age > 48.00 AND Lymph_Nodes_Positive <= 4.50 AND BMI > 25.10 AND Age <= 71.50 AND Lymph_Nodes_Examined <= 14.00 THEN class = Breast

Rule 948: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm <= 7.18 AND Age <= 80.50 AND Lymph_Nodes_Positive <= 11.00 AND Tumor_Size_cm <= 5.89 AND BMI > 24.55 AND Age > 48.00 AND Lymph_Nodes_Positive <= 4.50 AND BMI > 25.10 AND Age <= 71.50 AND Lymph_Nodes_Examined > 14.00 THEN class = Lung

Rule 949: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm <= 7.18 AND Age <= 80.50 AND Lymph_Nodes_Positive <= 11.00 AND Tumor_Size_cm <= 5.89 AND BMI > 24.55 AND Age > 48.00 AND Lymph_Nodes_Positive <= 4.50 AND BMI > 25.10 AND Age > 71.50 THEN class = Leukemia

Rule 950: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm <= 7.18 AND Age <= 80.50 AND Lymph_Nodes_Positive <= 11.00 AND Tumor_Size_cm <= 5.89 AND BMI > 24.55 AND Age > 48.00 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined <= 15.50 AND Age <= 69.50 THEN class = Breast

Rule 951: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm <= 7.18 AND Age <= 80.50 AND Lymph_Nodes_Positive <= 11.00 AND Tumor_Size_cm <= 5.89 AND BMI > 24.55 AND Age > 48.00 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined <= 15.50 AND Age > 69.50 AND Lymph_Nodes_Positive <= 7.00 THEN class = Skin

Rule 952: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm <= 7.18 AND Age <= 80.50 AND Lymph_Nodes_Positive <= 11.00 AND Tumor_Size_cm <= 5.89 AND BMI > 24.55 AND Age > 48.00 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined <= 15.50 AND Age > 69.50 AND Lymph_Nodes_Positive > 7.00 THEN class = Prostate

Rule 953: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm <= 7.18 AND Age <= 80.50 AND Lymph_Nodes_Positive <= 11.00 AND Tumor_Size_cm <= 5.89 AND BMI > 24.55 AND Age > 48.00 AND Lymph_Nodes_Positive > 4.50 AND Lymph_Nodes_Examined > 15.50 THEN class = Breast

Rule 954: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm <= 7.18 AND Age <= 80.50 AND Lymph_Nodes_Positive <= 11.00 AND Tumor_Size_cm > 5.89 AND Tumor_Size_cm <= 6.30 AND Tumor_Size_cm <= 6.12 AND Lymph_Nodes_Positive <= 2.50 THEN class = Skin

Rule 955: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm <= 7.18 AND Age <= 80.50 AND Lymph_Nodes_Positive <= 11.00 AND Tumor_Size_cm > 5.89 AND Tumor_Size_cm <= 6.30 AND Tumor_Size_cm <= 6.12 AND Lymph_Nodes_Positive > 2.50 THEN class = Leukemia

Rule 956: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm <= 7.18 AND Age <= 80.50 AND Lymph_Nodes_Positive <= 11.00 AND Tumor_Size_cm > 5.89 AND Tumor_Size_cm <= 6.30 AND Tumor_Size_cm > 6.12 THEN class = Colon

Rule 957: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND

Tumor_Size_cm <= 7.18 AND Age <= 80.50 AND Lymph_Nodes_Positive <= 11.00 AND Tumor_Size_cm > 5.89 AND Tumor_Size_cm > 6.30 AND BMI <= 24.75 AND Tumor_Size_cm <= 6.60 THEN class = Skin

Rule 958: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm <= 7.18 AND Age <= 80.50 AND Lymph_Nodes_Positive <= 11.00 AND Tumor_Size_cm > 5.89 AND Tumor_Size_cm > 6.30 AND BMI <= 24.75 AND Tumor_Size_cm > 6.60 AND BMI <= 24.30 AND Age <= 45.00 THEN class = Prostate

Rule 959: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm <= 7.18 AND Age <= 80.50 AND Lymph_Nodes_Positive <= 11.00 AND Tumor_Size_cm > 5.89 AND Tumor_Size_cm > 6.30 AND BMI <= 24.75 AND Tumor_Size_cm > 6.60 AND BMI <= 24.30 AND Age > 45.00 THEN class = Leukemia

Rule 960: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm <= 7.18 AND Age <= 80.50 AND Lymph_Nodes_Positive <= 11.00 AND Tumor_Size_cm > 5.89 AND Tumor_Size_cm > 6.30 AND BMI <= 24.75 AND Tumor_Size_cm > 6.60 AND BMI > 24.30 THEN class = Breast

Rule 961: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm <= 7.18 AND Age <= 80.50 AND Lymph_Nodes_Positive <= 11.00 AND Tumor_Size_cm > 5.89 AND Tumor_Size_cm > 6.30 AND BMI > 24.75 THEN class = Prostate

Rule 962: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm <= 7.18 AND Age <= 80.50 AND Lymph_Nodes_Positive > 11.00 AND Age <= 66.00 AND BMI <= 23.80 THEN class = Breast

Rule 963: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm <= 7.18 AND Age <= 80.50 AND Lymph_Nodes_Positive > 11.00 AND Age <= 66.00 AND BMI > 23.80 AND Survival_Months <= 55.00 THEN class = Colon

Rule 964: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm <= 7.18 AND Age <= 80.50 AND Lymph_Nodes_Positive > 11.00 AND Age <= 66.00 AND BMI > 23.80 AND Survival_Months > 55.00 AND BMI <= 24.85 THEN class = Lung

Rule 965: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm <= 7.18 AND Age <= 80.50 AND Lymph_Nodes_Positive > 11.00 AND Age <= 66.00 AND BMI > 23.80 AND Survival_Months > 55.00 AND BMI > 24.85 AND Lymph_Nodes_Positive <= 12.50 THEN class = Lung

Rule 966: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm <= 7.18 AND Age <= 80.50 AND Lymph_Nodes_Positive > 11.00 AND Age <= 66.00

AND BMI > 23.80 AND Survival_Months > 55.00 AND BMI > 24.85 AND Lymph_Nodes_Positive > 12.50 AND Tumor_Size_cm <= 6.44 THEN class = Colon

Rule 967: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm <= 7.18 AND Age <= 80.50 AND Lymph_Nodes_Positive > 11.00 AND Age <= 66.00 AND BMI > 23.80 AND Survival_Months > 55.00 AND BMI > 24.85 AND Lymph_Nodes_Positive > 12.50 AND Tumor_Size_cm > 6.44 THEN class = Lung

Rule 968: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm <= 7.18 AND Age <= 80.50 AND Lymph_Nodes_Positive > 11.00 AND Age > 66.00 AND Tumor_Size_cm <= 3.02 THEN class = Colon

Rule 969: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm <= 7.18 AND Age <= 80.50 AND Lymph_Nodes_Positive > 11.00 AND Age > 66.00 AND Tumor_Size_cm > 3.02 THEN class = Breast

Rule 970: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm <= 7.18 AND Age > 80.50 AND Survival_Months <= 94.50 AND Tumor_Size_cm <= 2.52 THEN class = Leukemia

Rule 971: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm <= 7.18 AND Age > 80.50 AND Survival_Months <= 94.50 AND Tumor_Size_cm > 2.52 AND Age <= 88.50 THEN class = Colon

Rule 972: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm <= 7.18 AND Age > 80.50 AND Survival_Months <= 94.50 AND Tumor_Size_cm > 2.52 AND Age > 88.50 THEN class = Lung

Rule 973: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm <= 7.18 AND Age > 80.50 AND Survival_Months > 94.50 AND BMI <= 25.10 THEN class = Skin

Rule 974: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm <= 7.18 AND Age > 80.50 AND Survival_Months > 94.50 AND BMI > 25.10 AND Tumor_Size_cm <= 6.11 AND Lymph_Nodes_Positive <= 3.00 THEN class = Prostate

Rule 975: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm <= 7.18 AND Age > 80.50 AND Survival_Months > 94.50 AND BMI > 25.10 AND Tumor_Size_cm <= 6.11 AND Lymph_Nodes_Positive > 3.00 THEN class = Leukemia

Rule 976: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND

Tumor_Size_cm <= 7.18 AND Age > 80.50 AND Survival_Months > 94.50 AND BMI > 25.10 AND Tumor_Size_cm > 6.11 THEN class = Lung

Rule 977: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm > 7.18 AND Lymph_Nodes_Examined <= 3.50 AND Survival_Months <= 67.50 THEN class = Lung

Rule 978: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm > 7.18 AND Lymph_Nodes_Examined <= 3.50 AND Survival_Months > 67.50 THEN class = Leukemia

Rule 979: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm > 7.18 AND Lymph_Nodes_Examined > 3.50 AND Lymph_Nodes_Positive <= 14.00 AND Survival_Months <= 80.50 AND Lymph_Nodes_Examined <= 15.00 AND Survival_Months <= 76.00 AND Lymph_Nodes_Examined <= 9.50 AND BMI <= 25.05 AND Lymph_Nodes_Examined <= 6.00 THEN class = Skin

Rule 980: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm > 7.18 AND Lymph_Nodes_Examined > 3.50 AND Lymph_Nodes_Positive <= 14.00 AND Survival_Months <= 80.50 AND Lymph_Nodes_Examined <= 15.00 AND Survival_Months <= 76.00 AND Lymph_Nodes_Examined <= 9.50 AND BMI <= 25.05 AND Lymph_Nodes_Examined > 6.00 THEN class = Prostate

Rule 981: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm > 7.18 AND Lymph_Nodes_Examined > 3.50 AND Lymph_Nodes_Positive <= 14.00 AND Survival_Months <= 80.50 AND Lymph_Nodes_Examined <= 15.00 AND Survival_Months <= 76.00 AND Lymph_Nodes_Examined <= 9.50 AND BMI > 25.05 AND Lymph_Nodes_Positive <= 2.00 THEN class = Skin

Rule 982: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm > 7.18 AND Lymph_Nodes_Examined > 3.50 AND Lymph_Nodes_Positive <= 14.00 AND Survival_Months <= 80.50 AND Lymph_Nodes_Examined <= 15.00 AND Survival_Months <= 76.00 AND Lymph_Nodes_Examined <= 9.50 AND BMI > 25.05 AND Lymph_Nodes_Positive > 2.00 AND Lymph_Nodes_Positive <= 4.00 THEN class = Lung

Rule 983: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm > 7.18 AND Lymph_Nodes_Examined > 3.50 AND Lymph_Nodes_Positive <= 14.00 AND Survival_Months <= 80.50 AND Lymph_Nodes_Examined <= 15.00 AND Survival_Months <= 76.00 AND Lymph_Nodes_Examined <= 9.50 AND BMI > 25.05 AND Lymph_Nodes_Positive > 2.00 AND Lymph_Nodes_Positive > 4.00 THEN class = Breast

Rule 984: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm > 7.18 AND Lymph_Nodes_Examined > 3.50 AND Lymph_Nodes_Positive <= 14.00

AND Survival_Months <= 80.50 AND Lymph_Nodes_Examined <= 15.00 AND Survival_Months <= 76.00 AND Lymph_Nodes_Examined > 9.50 AND Tumor_Size_cm <= 8.73 THEN class = Breast

Rule 985: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm > 7.18 AND Lymph_Nodes_Examined > 3.50 AND Lymph_Nodes_Positive <= 14.00 AND Survival_Months <= 80.50 AND Lymph_Nodes_Examined <= 15.00 AND Survival_Months <= 76.00 AND Lymph_Nodes_Examined > 9.50 AND Tumor_Size_cm > 8.73 THEN class = Lung

Rule 986: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm > 7.18 AND Lymph_Nodes_Examined > 3.50 AND Lymph_Nodes_Positive <= 14.00 AND Survival_Months <= 80.50 AND Lymph_Nodes_Examined <= 15.00 AND Survival_Months > 76.00 THEN class = Leukemia

Rule 987: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm > 7.18 AND Lymph_Nodes_Examined > 3.50 AND Lymph_Nodes_Positive <= 14.00 AND Survival_Months <= 80.50 AND Lymph_Nodes_Examined > 15.00 THEN class = Leukemia

Rule 988: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm > 7.18 AND Lymph_Nodes_Examined > 3.50 AND Lymph_Nodes_Positive <= 14.00 AND Survival_Months > 80.50 AND Age <= 34.50 THEN class = Breast

Rule 989: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm > 7.18 AND Lymph_Nodes_Examined > 3.50 AND Lymph_Nodes_Positive <= 14.00 AND Survival_Months > 80.50 AND Age > 34.50 AND Tumor_Size_cm <= 8.65 AND Lymph_Nodes_Examined <= 12.00 AND BMI <= 24.90 THEN class = Leukemia

Rule 990: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm > 7.18 AND Lymph_Nodes_Examined > 3.50 AND Lymph_Nodes_Positive <= 14.00 AND Survival_Months > 80.50 AND Age > 34.50 AND Tumor_Size_cm <= 8.65 AND Lymph_Nodes_Examined <= 12.00 AND BMI > 24.90 THEN class = Breast

Rule 991: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm > 7.18 AND Lymph_Nodes_Examined > 3.50 AND Lymph_Nodes_Positive <= 14.00 AND Survival_Months > 80.50 AND Age > 34.50 AND Tumor_Size_cm <= 8.65 AND Lymph_Nodes_Examined > 12.00 AND Survival_Months <= 93.00 AND Tumor_Size_cm <= 7.55 THEN class = Breast

Rule 992: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm > 7.18 AND Lymph_Nodes_Examined > 3.50 AND Lymph_Nodes_Positive <= 14.00 AND Survival_Months > 80.50 AND Age > 34.50 AND Tumor_Size_cm <= 8.65 AND Lymph_Nodes_Examined > 12.00 AND Survival_Months <= 93.00 AND Tumor_Size_cm > 7.55 THEN class = Colon

Rule 993: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm > 7.18 AND Lymph_Nodes_Examined > 3.50 AND Lymph_Nodes_Positive <= 14.00 AND Survival_Months > 80.50 AND Age > 34.50 AND Tumor_Size_cm <= 8.65 AND Lymph_Nodes_Examined > 12.00 AND Survival_Months > 93.00 AND Survival_Months <= 110.50 THEN class = Skin

Rule 994: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm > 7.18 AND Lymph_Nodes_Examined > 3.50 AND Lymph_Nodes_Positive <= 14.00 AND Survival_Months > 80.50 AND Age > 34.50 AND Tumor_Size_cm <= 8.65 AND Lymph_Nodes_Examined > 12.00 AND Survival_Months > 93.00 AND Survival_Months > 110.50 THEN class = Lung

Rule 995: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm > 7.18 AND Lymph_Nodes_Examined > 3.50 AND Lymph_Nodes_Positive <= 14.00 AND Survival_Months > 80.50 AND Age > 34.50 AND Tumor_Size_cm > 8.65 AND BMI <= 24.45 AND BMI <= 24.10 AND Survival_Months <= 97.50 AND Age <= 43.00 THEN class = Leukemia

Rule 996: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm > 7.18 AND Lymph_Nodes_Examined > 3.50 AND Lymph_Nodes_Positive <= 14.00 AND Survival_Months > 80.50 AND Age > 34.50 AND Tumor_Size_cm > 8.65 AND BMI <= 24.45 AND BMI <= 24.10 AND Survival_Months <= 97.50 AND Age > 43.00 THEN class = Colon

Rule 997: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm > 7.18 AND Lymph_Nodes_Examined > 3.50 AND Lymph_Nodes_Positive <= 14.00 AND Survival_Months > 80.50 AND Age > 34.50 AND Tumor_Size_cm > 8.65 AND BMI <= 24.45 AND BMI <= 24.10 AND Survival_Months > 97.50 THEN class = Breast

Rule 998: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm > 7.18 AND Lymph_Nodes_Examined > 3.50 AND Lymph_Nodes_Positive <= 14.00 AND Survival_Months > 80.50 AND Age > 34.50 AND Tumor_Size_cm > 8.65 AND BMI <= 24.45 AND BMI > 24.10 THEN class = Lung

Rule 999: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm > 7.18 AND Lymph_Nodes_Examined > 3.50 AND Lymph_Nodes_Positive <= 14.00 AND Survival_Months > 80.50 AND Age > 34.50 AND Tumor_Size_cm > 8.65 AND BMI > 24.45 THEN class = Breast

Rule 1000: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm > 7.18 AND Lymph_Nodes_Examined > 3.50 AND Lymph_Nodes_Positive > 14.00 AND Lymph_Nodes_Positive <= 17.50 AND Age <= 34.00 THEN class = Leukemia

Rule 1001: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50

AND Tumor_Size_cm > 7.18 AND Lymph_Nodes_Examined > 3.50 AND Lymph_Nodes_Positive > 14.00 AND Lymph_Nodes_Positive <= 17.50 AND Age > 34.00 AND BMI <= 25.65 THEN class = Colon

Rule 1002: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm > 7.18 AND Lymph_Nodes_Examined > 3.50 AND Lymph_Nodes_Positive > 14.00 AND Lymph_Nodes_Positive <= 17.50 AND Age > 34.00 AND BMI > 25.65 THEN class = Leukemia

Rule 1003: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI <= 25.75 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Examined > 2.50 AND Tumor_Size_cm > 7.18 AND Lymph_Nodes_Examined > 3.50 AND Lymph_Nodes_Positive > 14.00 AND Lymph_Nodes_Positive > 17.50 THEN class = Prostate

Rule 1004: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months <= 63.50 AND BMI <= 26.05 THEN class = Leukemia

Rule 1005: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months <= 63.50 AND BMI > 26.05 AND Lymph_Nodes_Examined <= 15.50 AND Tumor_Size_cm <= 8.16 AND Tumor_Size_cm <= 6.89 AND Lymph_Nodes_Examined <= 4.50 AND Lymph_Nodes_Examined <= 2.50 AND BMI <= 28.90 THEN class = Leukemia

Rule 1006: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months <= 63.50 AND BMI > 26.05 AND Lymph_Nodes_Examined <= 15.50 AND Tumor_Size_cm <= 8.16 AND Tumor_Size_cm <= 6.89 AND Lymph_Nodes_Examined <= 4.50 AND Lymph_Nodes_Examined <= 2.50 AND BMI > 28.90 AND Survival_Months <= 53.50 THEN class = Colon

Rule 1007: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months <= 63.50 AND BMI > 26.05 AND Lymph_Nodes_Examined <= 15.50 AND Tumor_Size_cm <= 8.16 AND Tumor_Size_cm <= 6.89 AND Lymph_Nodes_Examined <= 4.50 AND Lymph_Nodes_Examined <= 2.50 AND BMI > 28.90 AND Survival_Months > 53.50 THEN class = Breast

Rule 1008: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months <= 63.50 AND BMI > 26.05 AND Lymph_Nodes_Examined <= 15.50 AND Tumor_Size_cm <= 8.16 AND Tumor_Size_cm <= 6.89 AND Lymph_Nodes_Examined <= 4.50 AND Lymph_Nodes_Examined > 2.50 AND BMI <= 29.75 THEN class = Lung

Rule 1009: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months <= 63.50 AND BMI > 26.05 AND Lymph_Nodes_Examined <= 15.50 AND Tumor_Size_cm <= 8.16 AND Tumor_Size_cm <= 6.89 AND Lymph_Nodes_Examined <= 4.50 AND Lymph_Nodes_Examined > 2.50 AND BMI > 29.75 THEN class = Breast

Rule 1010: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months <= 63.50 AND BMI > 26.05 AND Lymph_Nodes_Examined <= 15.50 AND Tumor_Size_cm <= 8.16 AND Tumor_Size_cm <= 6.89

AND Lymph_Nodes_Examined > 4.50 AND Survival_Months <= 62.50 AND Survival_Months <= 59.00 AND Tumor_Size_cm <= 4.50 AND Tumor_Size_cm <= 3.27 AND Age <= 39.00 THEN class = Colon

Rule 1011: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months <= 63.50 AND BMI > 26.05 AND Lymph_Nodes_Examined <= 15.50 AND Tumor_Size_cm <= 8.16 AND Tumor_Size_cm <= 6.89 AND Lymph_Nodes_Examined > 4.50 AND Survival_Months <= 62.50 AND Survival_Months <= 59.00 AND Tumor_Size_cm <= 4.50 AND Tumor_Size_cm <= 3.27 AND Age > 39.00 AND BMI <= 29.75 THEN class = Skin

Rule 1012: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months <= 63.50 AND BMI > 26.05 AND Lymph_Nodes_Examined <= 15.50 AND Tumor_Size_cm <= 8.16 AND Tumor_Size_cm <= 6.89 AND Lymph_Nodes_Examined > 4.50 AND Survival_Months <= 62.50 AND Survival_Months <= 59.00 AND Tumor_Size_cm <= 4.50 AND Tumor_Size_cm <= 3.27 AND Age > 39.00 AND BMI > 29.75 THEN class = Breast

Rule 1013: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months <= 63.50 AND BMI > 26.05 AND Lymph_Nodes_Examined <= 15.50 AND Tumor_Size_cm <= 8.16 AND Tumor_Size_cm <= 6.89 AND Lymph_Nodes_Examined > 4.50 AND Survival_Months <= 62.50 AND Survival_Months <= 59.00 AND Tumor_Size_cm <= 4.50 AND Tumor_Size_cm > 3.27 AND Lymph_Nodes_Positive <= 3.00 THEN class = Prostate

Rule 1014: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months <= 63.50 AND BMI > 26.05 AND Lymph_Nodes_Examined <= 15.50 AND Tumor_Size_cm <= 8.16 AND Tumor_Size_cm <= 6.89 AND Lymph_Nodes_Examined > 4.50 AND Survival_Months <= 62.50 AND Survival_Months <= 59.00 AND Tumor_Size_cm <= 4.50 AND Tumor_Size_cm > 3.27 AND Lymph_Nodes_Positive > 3.00 AND Age <= 27.00 THEN class = Breast

Rule 1015: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months <= 63.50 AND BMI > 26.05 AND Lymph_Nodes_Examined <= 15.50 AND Tumor_Size_cm <= 8.16 AND Tumor_Size_cm <= 6.89 AND Lymph_Nodes_Examined > 4.50 AND Survival_Months <= 62.50 AND Survival_Months <= 59.00 AND Tumor_Size_cm <= 4.50 AND Tumor_Size_cm > 3.27 AND Lymph_Nodes_Positive > 3.00 AND Age > 27.00 AND Tumor_Size_cm <= 3.67 AND Age <= 30.50 THEN class = Prostate

Rule 1016: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months <= 63.50 AND BMI > 26.05 AND Lymph_Nodes_Examined <= 15.50 AND Tumor_Size_cm <= 8.16 AND Tumor_Size_cm <= 6.89 AND Lymph_Nodes_Examined > 4.50 AND Survival_Months <= 62.50 AND Survival_Months <= 59.00 AND Tumor_Size_cm <= 4.50 AND Tumor_Size_cm > 3.27 AND Lymph_Nodes_Positive > 3.00 AND Age > 27.00 AND Tumor_Size_cm <= 3.67 AND Age > 30.50 THEN class = Lung

Rule 1017: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months <= 63.50 AND BMI > 26.05 AND Lymph_Nodes_Examined <= 15.50 AND Tumor_Size_cm <= 8.16 AND Tumor_Size_cm <= 6.89 AND Lymph_Nodes_Examined > 4.50 AND Survival_Months <= 62.50 AND Survival_Months <= 59.00 AND Tumor_Size_cm <= 4.50 AND Tumor_Size_cm > 3.27 AND Lymph_Nodes_Positive > 3.00 AND Age > 27.00 AND Tumor_Size_cm > 3.67 THEN class = Leukemia

Rule 1018: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months <= 63.50 AND BMI > 26.05 AND Lymph_Nodes_Examined <= 15.50 AND Tumor_Size_cm <= 8.16 AND Tumor_Size_cm <= 6.89 AND Lymph_Nodes_Examined > 4.50 AND Survival_Months <= 62.50 AND Survival_Months <= 59.00 AND Tumor_Size_cm > 4.50 AND BMI <= 30.35 AND Lymph_Nodes_Positive <= 5.50 THEN class = Breast

Rule 1019: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months <= 63.50 AND BMI > 26.05 AND Lymph_Nodes_Examined <= 15.50 AND Tumor_Size_cm <= 8.16 AND Tumor_Size_cm <= 6.89 AND Lymph_Nodes_Examined > 4.50 AND Survival_Months <= 62.50 AND Survival_Months <= 59.00 AND Tumor_Size_cm > 4.50 AND BMI <= 30.35 AND Lymph_Nodes_Positive > 5.50 AND Lymph_Nodes_Examined <= 6.50 THEN class = Prostate

Rule 1020: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months <= 63.50 AND BMI > 26.05 AND Lymph_Nodes_Examined <= 15.50 AND Tumor_Size_cm <= 8.16 AND Tumor_Size_cm <= 6.89 AND Lymph_Nodes_Examined > 4.50 AND Survival_Months <= 62.50 AND Survival_Months <= 59.00 AND Tumor_Size_cm > 4.50 AND BMI <= 30.35 AND Lymph_Nodes_Positive > 5.50 AND Lymph_Nodes_Examined > 6.50 THEN class = Breast

Rule 1021: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months <= 63.50 AND BMI > 26.05 AND Lymph_Nodes_Examined <= 15.50 AND Tumor_Size_cm <= 8.16 AND Tumor_Size_cm <= 6.89 AND Lymph_Nodes_Examined > 4.50 AND Survival_Months <= 62.50 AND Survival_Months <= 59.00 AND Tumor_Size_cm > 4.50 AND BMI > 30.35 THEN class = Lung

Rule 1022: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months <= 63.50 AND BMI > 26.05 AND Lymph_Nodes_Examined <= 15.50 AND Tumor_Size_cm <= 8.16 AND Tumor_Size_cm <= 6.89 AND Lymph_Nodes_Examined > 4.50 AND Survival_Months <= 62.50 AND Survival_Months > 59.00 AND Tumor_Size_cm <= 6.31 THEN class = Colon

Rule 1023: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months <= 63.50 AND BMI > 26.05 AND Lymph_Nodes_Examined <= 15.50 AND Tumor_Size_cm <= 8.16 AND Tumor_Size_cm <= 6.89 AND Lymph_Nodes_Examined > 4.50 AND Survival_Months <= 62.50 AND Survival_Months > 59.00 AND Tumor_Size_cm > 6.31 THEN class = Breast

Rule 1024: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months <= 63.50 AND BMI > 26.05 AND Lymph_Nodes_Examined <= 15.50 AND Tumor_Size_cm <= 8.16 AND Tumor_Size_cm <= 6.89 AND Lymph_Nodes_Examined > 4.50 AND Survival_Months > 62.50 THEN class = Breast

Rule 1025: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months <= 63.50 AND BMI > 26.05 AND Lymph_Nodes_Examined <= 15.50 AND Tumor_Size_cm <= 8.16 AND Tumor_Size_cm > 6.89 AND Survival_Months <= 55.00 THEN class = Breast

Rule 1026: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months <= 63.50 AND BMI > 26.05

AND Lymph_Nodes_Examined <= 15.50 AND Tumor_Size_cm <= 8.16 AND Tumor_Size_cm > 6.89 AND Survival_Months > 55.00 AND BMI <= 26.40 AND Survival_Months <= 60.00 THEN class = Skin

Rule 1027: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months <= 63.50 AND BMI > 26.05 AND Lymph_Nodes_Examined <= 15.50 AND Tumor_Size_cm <= 8.16 AND Tumor_Size_cm > 6.89 AND Survival_Months > 55.00 AND BMI <= 26.40 AND Survival_Months > 60.00 THEN class = Breast

Rule 1028: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months <= 63.50 AND BMI > 26.05 AND Lymph_Nodes_Examined <= 15.50 AND Tumor_Size_cm <= 8.16 AND Tumor_Size_cm > 6.89 AND Survival_Months > 55.00 AND BMI > 26.40 AND Age <= 56.00 THEN class = Prostate

Rule 1029: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months <= 63.50 AND BMI > 26.05 AND Lymph_Nodes_Examined <= 15.50 AND Tumor_Size_cm <= 8.16 AND Tumor_Size_cm > 6.89 AND Survival_Months > 55.00 AND BMI > 26.40 AND Age > 56.00 AND BMI <= 30.50 AND Lymph_Nodes_Examined <= 4.00 THEN class = Breast

Rule 1030: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months <= 63.50 AND BMI > 26.05 AND Lymph_Nodes_Examined <= 15.50 AND Tumor_Size_cm <= 8.16 AND Tumor_Size_cm > 6.89 AND Survival_Months > 55.00 AND BMI > 26.40 AND Age > 56.00 AND BMI <= 30.50 AND Lymph_Nodes_Examined > 4.00 THEN class = Prostate

Rule 1031: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months <= 63.50 AND BMI > 26.05 AND Lymph_Nodes_Examined <= 15.50 AND Tumor_Size_cm <= 8.16 AND Tumor_Size_cm > 6.89 AND Survival_Months > 55.00 AND BMI > 26.40 AND Age > 56.00 AND BMI > 30.50 THEN class = Colon

Rule 1032: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months <= 63.50 AND BMI > 26.05 AND Lymph_Nodes_Examined <= 15.50 AND Tumor_Size_cm > 8.16 AND Tumor_Size_cm <= 8.92 AND Lymph_Nodes_Examined <= 9.00 THEN class = Lung

Rule 1033: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months <= 63.50 AND BMI > 26.05 AND Lymph_Nodes_Examined <= 15.50 AND Tumor_Size_cm > 8.16 AND Tumor_Size_cm <= 8.92 AND Lymph_Nodes_Examined > 9.00 AND Tumor_Size_cm <= 8.48 THEN class = Skin

Rule 1034: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months <= 63.50 AND BMI > 26.05 AND Lymph_Nodes_Examined <= 15.50 AND Tumor_Size_cm > 8.16 AND Tumor_Size_cm <= 8.92 AND Lymph_Nodes_Examined > 9.00 AND Tumor_Size_cm > 8.48 AND Age <= 55.50 THEN class = Breast

Rule 1035: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months <= 63.50 AND BMI > 26.05 AND Lymph_Nodes_Examined <= 15.50 AND Tumor_Size_cm > 8.16 AND Tumor_Size_cm <= 8.92 AND Lymph_Nodes_Examined > 9.00 AND Tumor_Size_cm > 8.48 AND Age > 55.50 THEN class = Lung

Rule 1036: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months <= 63.50 AND BMI > 26.05 AND Lymph_Nodes_Examined <= 15.50 AND Tumor_Size_cm > 8.16 AND Tumor_Size_cm > 8.92 AND Survival_Months <= 53.00 THEN class = Prostate

Rule 1037: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months <= 63.50 AND BMI > 26.05 AND Lymph_Nodes_Examined <= 15.50 AND Tumor_Size_cm > 8.16 AND Tumor_Size_cm > 8.92 AND Survival_Months > 53.00 THEN class = Colon

Rule 1038: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months <= 63.50 AND BMI > 26.05 AND Lymph_Nodes_Examined > 15.50 AND Tumor_Size_cm <= 5.31 AND Survival_Months <= 61.50 AND Survival_Months <= 59.50 AND Survival_Months <= 52.50 THEN class = Prostate

Rule 1039: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months <= 63.50 AND BMI > 26.05 AND Lymph_Nodes_Examined > 15.50 AND Tumor_Size_cm <= 5.31 AND Survival_Months <= 61.50 AND Survival_Months <= 59.50 AND Survival_Months > 52.50 AND BMI <= 26.65 THEN class = Lung

Rule 1040: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months <= 63.50 AND BMI > 26.05 AND Lymph_Nodes_Examined > 15.50 AND Tumor_Size_cm <= 5.31 AND Survival_Months <= 61.50 AND Survival_Months <= 59.50 AND Survival_Months > 52.50 AND BMI > 26.65 AND BMI <= 27.65 AND Age <= 58.00 THEN class = Breast

Rule 1041: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months <= 63.50 AND BMI > 26.05 AND Lymph_Nodes_Examined > 15.50 AND Tumor_Size_cm <= 5.31 AND Survival_Months <= 61.50 AND Survival_Months <= 59.50 AND Survival_Months > 52.50 AND BMI > 26.65 AND BMI <= 27.65 AND Age > 58.00 THEN class = Leukemia

Rule 1042: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months <= 63.50 AND BMI > 26.05 AND Lymph_Nodes_Examined > 15.50 AND Tumor_Size_cm <= 5.31 AND Survival_Months <= 61.50 AND Survival_Months <= 59.50 AND Survival_Months > 52.50 AND BMI > 26.65 AND BMI > 27.65 THEN class = Leukemia

Rule 1043: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months <= 63.50 AND BMI > 26.05 AND Lymph_Nodes_Examined > 15.50 AND Tumor_Size_cm <= 5.31 AND Survival_Months <= 61.50 AND Survival_Months > 59.50 THEN class = Prostate

Rule 1044: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months <= 63.50 AND BMI > 26.05 AND Lymph_Nodes_Examined > 15.50 AND Tumor_Size_cm <= 5.31 AND Survival_Months > 61.50 THEN class = Lung

Rule 1045: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months <= 63.50 AND BMI > 26.05 AND Lymph_Nodes_Examined > 15.50 AND Tumor_Size_cm > 5.31 AND Age <= 54.50 AND Age <= 47.50 AND Lymph_Nodes_Positive <= 3.00 THEN class = Lung

Rule 1046: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months <= 63.50 AND BMI > 26.05 AND Lymph_Nodes_Examined > 15.50 AND Tumor_Size_cm > 5.31 AND Age <= 54.50 AND Age <= 47.50 AND Lymph_Nodes_Positive > 3.00 AND Survival_Months <= 59.00 THEN class = Prostate

Rule 1047: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months <= 63.50 AND BMI > 26.05 AND Lymph_Nodes_Examined > 15.50 AND Tumor_Size_cm > 5.31 AND Age <= 54.50 AND Age <= 47.50 AND Lymph_Nodes_Positive > 3.00 AND Survival_Months > 59.00 AND BMI <= 29.10 THEN class = Breast

Rule 1048: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months <= 63.50 AND BMI > 26.05 AND Lymph_Nodes_Examined > 15.50 AND Tumor_Size_cm > 5.31 AND Age <= 54.50 AND Age <= 47.50 AND Lymph_Nodes_Positive > 3.00 AND Survival_Months > 59.00 AND BMI > 29.10 THEN class = Colon

Rule 1049: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months <= 63.50 AND BMI > 26.05 AND Lymph_Nodes_Examined > 15.50 AND Tumor_Size_cm > 5.31 AND Age <= 54.50 AND Age > 47.50 THEN class = Leukemia

Rule 1050: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months <= 63.50 AND BMI > 26.05 AND Lymph_Nodes_Examined > 15.50 AND Tumor_Size_cm > 5.31 AND Age > 54.50 THEN class = Colon

Rule 1051: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm <= 1.69 AND Survival_Months <= 112.00 THEN class = Prostate

Rule 1052: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm <= 1.69 AND Survival_Months > 112.00 THEN class = Lung

Rule 1053: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm <= 3.42 AND Tumor_Size_cm <= 2.43 AND Tumor_Size_cm <= 2.30 AND Tumor_Size_cm <= 1.84 AND Survival_Months <= 97.50 AND Age <= 72.50 AND Tumor_Size_cm <= 1.76 THEN class = Lung

Rule 1054: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm <= 3.42 AND Tumor_Size_cm <= 2.43 AND Tumor_Size_cm <= 2.30 AND Tumor_Size_cm <= 1.84 AND Survival_Months <= 97.50 AND Age <= 72.50 AND Tumor_Size_cm > 1.76 THEN class = Colon

Rule 1055: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm <= 3.42 AND Tumor_Size_cm <= 2.43 AND Tumor_Size_cm <= 2.30 AND Tumor_Size_cm <= 1.84 AND Survival_Months <= 97.50 AND Age > 72.50 THEN class = Lung

Rule 1056: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm <= 3.42 AND Tumor_Size_cm <= 2.43 AND Tumor_Size_cm <= 2.30 AND Tumor_Size_cm <= 1.84 AND Survival_Months > 97.50 THEN class = Breast

Rule 1057: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm <= 3.42 AND Tumor_Size_cm <= 2.43 AND Tumor_Size_cm <= 2.30 AND Tumor_Size_cm > 1.84 AND Lymph_Nodes_Examined <= 17.00 AND Tumor_Size_cm <= 2.03 AND Lymph_Nodes_Positive <= 3.50 THEN class = Breast

Rule 1058: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm <= 3.42 AND Tumor_Size_cm <= 2.43 AND Tumor_Size_cm <= 2.30 AND Tumor_Size_cm > 1.84 AND Lymph_Nodes_Examined <= 17.00 AND Tumor_Size_cm <= 2.03 AND Lymph_Nodes_Positive > 3.50 AND Lymph_Nodes_Positive <= 4.50 THEN class = Lung

Rule 1059: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm <= 3.42 AND Tumor_Size_cm <= 2.43 AND Tumor_Size_cm <= 2.30 AND Tumor_Size_cm > 1.84 AND Lymph_Nodes_Examined <= 17.00 AND Tumor_Size_cm <= 2.03 AND Lymph_Nodes_Positive > 3.50 AND Lymph_Nodes_Positive > 4.50 THEN class = Leukemia

Rule 1060: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm <= 3.42 AND Tumor_Size_cm <= 2.43 AND Tumor_Size_cm <= 2.30 AND Tumor_Size_cm > 1.84 AND Lymph_Nodes_Examined <= 17.00 AND Tumor_Size_cm > 2.03 AND Tumor_Size_cm <= 2.25 AND Tumor_Size_cm <= 2.16 AND Tumor_Size_cm <= 2.05 AND Age <= 33.00 THEN class = Prostate

Rule 1061: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm <= 3.42 AND Tumor_Size_cm <= 2.43 AND Tumor_Size_cm <= 2.30 AND Tumor_Size_cm > 1.84 AND Lymph_Nodes_Examined <= 17.00 AND Tumor_Size_cm > 2.03 AND Tumor_Size_cm <= 2.25 AND Tumor_Size_cm <= 2.16 AND Tumor_Size_cm <= 2.05 AND Age > 33.00 THEN class = Skin

Rule 1062: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm <= 3.42 AND Tumor_Size_cm <= 2.43 AND Tumor_Size_cm <= 2.30 AND Tumor_Size_cm > 1.84 AND Lymph_Nodes_Examined <= 17.00 AND Tumor_Size_cm > 2.03 AND Tumor_Size_cm <= 2.25 AND Tumor_Size_cm <= 2.16 AND Tumor_Size_cm > 2.05 AND BMI <= 32.85 AND Tumor_Size_cm <= 2.07 THEN class = Leukemia

Rule 1063: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm <= 3.42 AND Tumor_Size_cm <= 2.43 AND Tumor_Size_cm <= 2.30 AND Tumor_Size_cm > 1.84 AND Lymph_Nodes_Examined <= 17.00 AND

Tumor_Size_cm > 2.03 AND Tumor_Size_cm <= 2.25 AND Tumor_Size_cm <= 2.16 AND Tumor_Size_cm > 2.05 AND BMI <= 32.85 AND Tumor_Size_cm > 2.07 AND Age <= 71.50 THEN class = Prostate

Rule 1064: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm <= 3.42 AND Tumor_Size_cm <= 2.43 AND Tumor_Size_cm <= 2.30 AND Tumor_Size_cm > 1.84 AND Lymph_Nodes_Examined <= 17.00 AND Tumor_Size_cm > 2.03 AND Tumor_Size_cm <= 2.25 AND Tumor_Size_cm <= 2.16 AND Tumor_Size_cm > 2.05 AND BMI <= 32.85 AND Tumor_Size_cm > 2.07 AND Age > 71.50 THEN class = Leukemia

Rule 1065: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm <= 3.42 AND Tumor_Size_cm <= 2.43 AND Tumor_Size_cm <= 2.30 AND Tumor_Size_cm > 1.84 AND Lymph_Nodes_Examined <= 17.00 AND Tumor_Size_cm > 2.03 AND Tumor_Size_cm <= 2.25 AND Tumor_Size_cm <= 2.16 AND Tumor_Size_cm > 2.05 AND BMI > 32.85 THEN class = Colon

Rule 1066: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm <= 3.42 AND Tumor_Size_cm <= 2.43 AND Tumor_Size_cm <= 2.30 AND Tumor_Size_cm > 1.84 AND Lymph_Nodes_Examined <= 17.00 AND Tumor_Size_cm > 2.03 AND Tumor_Size_cm <= 2.25 AND Tumor_Size_cm > 2.16 AND Lymph_Nodes_Examined <= 5.00 THEN class = Lung

Rule 1067: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm <= 3.42 AND Tumor_Size_cm <= 2.43 AND Tumor_Size_cm <= 2.30 AND Tumor_Size_cm > 1.84 AND Lymph_Nodes_Examined <= 17.00 AND Tumor_Size_cm > 2.03 AND Tumor_Size_cm <= 2.25 AND Tumor_Size_cm > 2.16 AND Lymph_Nodes_Examined > 5.00 AND Survival_Months <= 71.00 AND Age <= 56.50 THEN class = Skin

Rule 1068: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm <= 3.42 AND Tumor_Size_cm <= 2.43 AND Tumor_Size_cm <= 2.30 AND Tumor_Size_cm > 1.84 AND Lymph_Nodes_Examined <= 17.00 AND Tumor_Size_cm > 2.03 AND Tumor_Size_cm <= 2.25 AND Tumor_Size_cm > 2.16 AND Lymph_Nodes_Examined > 5.00 AND Survival_Months <= 71.00 AND Age > 56.50 THEN class = Lung

Rule 1069: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm <= 3.42 AND Tumor_Size_cm <= 2.43 AND Tumor_Size_cm <= 2.30 AND Tumor_Size_cm > 1.84 AND Lymph_Nodes_Examined <= 17.00 AND Tumor_Size_cm > 2.03 AND Tumor_Size_cm <= 2.25 AND Tumor_Size_cm > 2.16 AND Lymph_Nodes_Examined > 5.00 AND Survival_Months > 71.00 AND BMI <= 28.90 THEN class = Colon

Rule 1070: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm <= 3.42 AND Tumor_Size_cm <= 2.43 AND Tumor_Size_cm <= 2.30 AND Tumor_Size_cm > 1.84 AND Lymph_Nodes_Examined <= 17.00 AND

Tumor_Size_cm > 2.03 AND Tumor_Size_cm <= 2.25 AND Tumor_Size_cm > 2.16 AND Lymph_Nodes_Examined > 5.00 AND Survival_Months > 71.00 AND BMI > 28.90 AND Age <= 78.00 THEN class = Prostate

Rule 1071: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm <= 3.42 AND Tumor_Size_cm <= 2.43 AND Tumor_Size_cm <= 2.30 AND Tumor_Size_cm > 1.84 AND Lymph_Nodes_Examined <= 17.00 AND Tumor_Size_cm > 2.03 AND Tumor_Size_cm <= 2.25 AND Tumor_Size_cm > 2.16 AND Lymph_Nodes_Examined > 5.00 AND Survival_Months > 71.00 AND BMI > 28.90 AND Age > 78.00 THEN class = Skin

Rule 1072: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm <= 3.42 AND Tumor_Size_cm <= 2.43 AND Tumor_Size_cm <= 2.30 AND Tumor_Size_cm > 1.84 AND Lymph_Nodes_Examined <= 17.00 AND Tumor_Size_cm > 2.03 AND Tumor_Size_cm > 2.25 AND BMI <= 30.65 THEN class = Leukemia

Rule 1073: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm <= 3.42 AND Tumor_Size_cm <= 2.43 AND Tumor_Size_cm <= 2.30 AND Tumor_Size_cm > 1.84 AND Lymph_Nodes_Examined <= 17.00 AND Tumor_Size_cm > 2.03 AND Tumor_Size_cm > 2.25 AND BMI > 30.65 THEN class = Breast

Rule 1074: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm <= 3.42 AND Tumor_Size_cm <= 2.43 AND Tumor_Size_cm <= 2.30 AND Tumor_Size_cm > 1.84 AND Lymph_Nodes_Examined > 17.00 THEN class = Prostate

Rule 1075: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm <= 3.42 AND Tumor_Size_cm <= 2.43 AND Tumor_Size_cm > 2.30 AND Lymph_Nodes_Examined <= 5.00 THEN class = Breast

Rule 1076: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm <= 3.42 AND Tumor_Size_cm <= 2.43 AND Tumor_Size_cm > 2.30 AND Lymph_Nodes_Examined > 5.00 THEN class = Lung

Rule 1077: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm <= 3.42 AND Tumor_Size_cm > 2.43 AND Survival_Months <= 90.50 AND Tumor_Size_cm <= 3.37 AND Age <= 48.00 AND Survival_Months <= 74.50 AND Age <= 41.50 AND Lymph_Nodes_Positive <= 2.50 AND Survival_Months <= 72.50 THEN class = Lung

Rule 1078: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm <= 3.42 AND Tumor_Size_cm > 2.43 AND Survival_Months <= 90.50 AND Tumor_Size_cm <= 3.37 AND Age <= 48.00 AND Survival_Months <=

74.50 AND Age <= 41.50 AND Lymph_Nodes_Positive <= 2.50 AND Survival_Months > 72.50 THEN class = Prostate

Rule 1079: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm <= 3.42 AND Tumor_Size_cm > 2.43 AND Survival_Months <= 90.50 AND Tumor_Size_cm <= 3.37 AND Age <= 48.00 AND Survival_Months <= 74.50 AND Age <= 41.50 AND Lymph_Nodes_Positive > 2.50 THEN class = Prostate

Rule 1080: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm <= 3.42 AND Tumor_Size_cm > 2.43 AND Survival_Months <= 90.50 AND Tumor_Size_cm <= 3.37 AND Age <= 48.00 AND Survival_Months <= 74.50 AND Age > 41.50 THEN class = Breast

Rule 1081: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm <= 3.42 AND Tumor_Size_cm > 2.43 AND Survival_Months <= 90.50 AND Tumor_Size_cm <= 3.37 AND Age <= 48.00 AND Survival_Months > 74.50 AND Survival_Months <= 86.00 AND Tumor_Size_cm <= 3.06 THEN class = Breast

Rule 1082: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm <= 3.42 AND Tumor_Size_cm > 2.43 AND Survival_Months <= 90.50 AND Tumor_Size_cm <= 3.37 AND Age <= 48.00 AND Survival_Months > 74.50 AND Survival_Months <= 86.00 AND Tumor_Size_cm > 3.06 THEN class = Colon

Rule 1083: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm <= 3.42 AND Tumor_Size_cm > 2.43 AND Survival_Months <= 90.50 AND Tumor_Size_cm <= 3.37 AND Age <= 48.00 AND Survival_Months > 74.50 AND Survival_Months > 86.00 AND Survival_Months <= 88.50 THEN class = Colon

Rule 1084: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm <= 3.42 AND Tumor_Size_cm > 2.43 AND Survival_Months <= 90.50 AND Tumor_Size_cm <= 3.37 AND Age <= 48.00 AND Survival_Months > 74.50 AND Survival_Months > 86.00 AND Survival_Months > 88.50 THEN class = Prostate

Rule 1085: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm <= 3.42 AND Tumor_Size_cm > 2.43 AND Survival_Months <= 90.50 AND Tumor_Size_cm <= 3.37 AND Age > 48.00 AND Survival_Months <= 84.00 AND Lymph_Nodes_Examined <= 8.50 AND Survival_Months <= 82.00 AND Lymph_Nodes_Examined <= 6.50 AND Survival_Months <= 71.00 THEN class = Leukemia

Rule 1086: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm <= 3.42 AND Tumor_Size_cm > 2.43 AND Survival_Months <= 90.50 AND Tumor_Size_cm <= 3.37 AND Age > 48.00 AND Survival_Months <= 84.00 AND Lymph_Nodes_Examined <= 8.50 AND Survival_Months <= 82.00 AND

Lymph_Nodes_Examined <= 6.50 AND Survival_Months > 71.00 AND BMI <= 28.45 THEN class = Leukemia

Rule 1087: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm <= 3.42 AND Tumor_Size_cm > 2.43 AND Survival_Months <= 90.50 AND Tumor_Size_cm <= 3.37 AND Age > 48.00 AND Survival_Months <= 84.00 AND Lymph_Nodes_Examined <= 8.50 AND Survival_Months <= 82.00 AND Lymph_Nodes_Examined <= 6.50 AND Survival_Months > 71.00 AND BMI > 28.45 THEN class = Prostate

Rule 1088: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm <= 3.42 AND Tumor_Size_cm > 2.43 AND Survival_Months <= 90.50 AND Tumor_Size_cm <= 3.37 AND Age > 48.00 AND Survival_Months <= 84.00 AND Lymph_Nodes_Examined <= 8.50 AND Survival_Months <= 82.00 AND Lymph_Nodes_Examined > 6.50 THEN class = Prostate

Rule 1089: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm <= 3.42 AND Tumor_Size_cm > 2.43 AND Survival_Months <= 90.50 AND Tumor_Size_cm <= 3.37 AND Age > 48.00 AND Survival_Months <= 84.00 AND Lymph_Nodes_Examined <= 8.50 AND Survival_Months > 82.00 THEN class = Skin

Rule 1090: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm <= 3.42 AND Tumor_Size_cm > 2.43 AND Survival_Months <= 90.50 AND Tumor_Size_cm <= 3.37 AND Age > 48.00 AND Survival_Months <= 84.00 AND Lymph_Nodes_Examined > 8.50 AND Age <= 71.50 THEN class = Colon

Rule 1091: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm <= 3.42 AND Tumor_Size_cm > 2.43 AND Survival_Months <= 90.50 AND Tumor_Size_cm <= 3.37 AND Age > 48.00 AND Survival_Months <= 84.00 AND Lymph_Nodes_Examined > 8.50 AND Age > 71.50 AND BMI <= 26.70 THEN class = Lung

Rule 1092: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm <= 3.42 AND Tumor_Size_cm > 2.43 AND Survival_Months <= 90.50 AND Tumor_Size_cm <= 3.37 AND Age > 48.00 AND Survival_Months <= 84.00 AND Lymph_Nodes_Examined > 8.50 AND Age > 71.50 AND BMI > 26.70 THEN class = Prostate

Rule 1093: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm <= 3.42 AND Tumor_Size_cm > 2.43 AND Survival_Months <= 90.50 AND Tumor_Size_cm <= 3.37 AND Age > 48.00 AND Survival_Months > 84.00 THEN class = Lung

Rule 1094: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm <= 3.42 AND Tumor_Size_cm > 2.43 AND

Survival_Months <= 90.50 AND Tumor_Size_cm > 3.37 AND Lymph_Nodes_Examined <= 5.50 THEN class = Skin

Rule 1095: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm <= 3.42 AND Tumor_Size_cm > 2.43 AND Survival_Months <= 90.50 AND Tumor_Size_cm > 3.37 AND Lymph_Nodes_Examined > 5.50 THEN class = Leukemia

Rule 1096: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm <= 3.42 AND Tumor_Size_cm > 2.43 AND Survival_Months > 90.50 AND Lymph_Nodes_Examined <= 13.50 AND Survival_Months <= 95.50 AND Survival_Months <= 92.00 THEN class = Breast

Rule 1097: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm <= 3.42 AND Tumor_Size_cm > 2.43 AND Survival_Months > 90.50 AND Lymph_Nodes_Examined <= 13.50 AND Survival_Months <= 95.50 AND Survival_Months > 92.00 THEN class = Leukemia

Rule 1098: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm <= 3.42 AND Tumor_Size_cm > 2.43 AND Survival_Months > 90.50 AND Lymph_Nodes_Examined <= 13.50 AND Survival_Months > 95.50 AND Lymph_Nodes_Examined <= 8.50 AND Survival_Months <= 114.50 AND Lymph_Nodes_Positive <= 0.50 THEN class = Leukemia

Rule 1099: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm <= 3.42 AND Tumor_Size_cm > 2.43 AND Survival_Months > 90.50 AND Lymph_Nodes_Examined <= 13.50 AND Survival_Months > 95.50 AND Lymph_Nodes_Examined <= 8.50 AND Survival_Months <= 114.50 AND Lymph_Nodes_Positive > 0.50 THEN class = Skin

Rule 1100: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm <= 3.42 AND Tumor_Size_cm > 2.43 AND Survival_Months > 90.50 AND Lymph_Nodes_Examined <= 13.50 AND Survival_Months > 95.50 AND Lymph_Nodes_Examined <= 8.50 AND Survival_Months > 114.50 THEN class = Prostate

Rule 1101: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm <= 3.42 AND Tumor_Size_cm > 2.43 AND Survival_Months > 90.50 AND Lymph_Nodes_Examined <= 13.50 AND Survival_Months > 95.50 AND Lymph_Nodes_Examined > 8.50 AND Age <= 27.00 THEN class = Lung

Rule 1102: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm <= 3.42 AND Tumor_Size_cm > 2.43 AND

Survival_Months > 90.50 AND Lymph_Nodes_Examined <= 13.50 AND Survival_Months > 95.50 AND Lymph_Nodes_Examined > 8.50 AND Age > 27.00 THEN class = Prostate

Rule 1103: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm <= 3.42 AND Tumor_Size_cm > 2.43 AND Survival_Months > 90.50 AND Lymph_Nodes_Examined > 13.50 THEN class = Leukemia

Rule 1104: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm <= 3.88 AND Age <= 28.50 AND BMI <= 27.80 AND Tumor_Size_cm <= 3.65 THEN class = Colon

Rule 1105: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm <= 3.88 AND Age <= 28.50 AND BMI <= 27.80 AND Tumor_Size_cm > 3.65 THEN class = Breast

Rule 1106: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm <= 3.88 AND Age <= 28.50 AND BMI > 27.80 THEN class = Lung

Rule 1107: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm <= 3.88 AND Age > 28.50 AND Tumor_Size_cm <= 3.72 AND Age <= 59.00 AND Age <= 32.50 THEN class = Breast

Rule 1108: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm <= 3.88 AND Age > 28.50 AND Tumor_Size_cm <= 3.72 AND Age <= 59.00 AND Age > 32.50 AND Survival_Months <= 72.00 AND BMI <= 30.60 THEN class = Skin

Rule 1109: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm <= 3.88 AND Age > 28.50 AND Tumor_Size_cm <= 3.72 AND Age <= 59.00 AND Age > 32.50 AND Survival_Months <= 72.00 AND BMI > 30.60 THEN class = Lung

Rule 1110: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm <= 3.88 AND Age > 28.50 AND Tumor_Size_cm <= 3.72 AND Age <= 59.00 AND Age > 32.50 AND Survival_Months > 72.00 AND BMI <= 27.45 THEN class = Leukemia

Rule 1111: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm <= 3.88 AND Age > 28.50 AND Tumor_Size_cm <= 3.72 AND Age <= 59.00 AND Age > 32.50 AND Survival_Months > 72.00 AND BMI > 27.45 THEN class = Colon

Rule 1112: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm <= 3.88 AND Age > 28.50 AND Tumor_Size_cm <= 3.72 AND Age > 59.00 AND Lymph_Nodes_Examined <= 17.50 AND Tumor_Size_cm <= 3.67 THEN class = Breast

Rule 1113: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm <= 3.88 AND Age > 28.50 AND Tumor_Size_cm <= 3.72 AND Age > 59.00 AND Lymph_Nodes_Examined <= 17.50 AND Tumor_Size_cm > 3.67 AND BMI <= 27.85 THEN class = Leukemia

Rule 1114: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm <= 3.88 AND Age > 28.50 AND Tumor_Size_cm <= 3.72 AND Age > 59.00 AND Lymph_Nodes_Examined <= 17.50 AND Tumor_Size_cm > 3.67 AND BMI > 27.85 THEN class = Breast

Rule 1115: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm <= 3.88 AND Age > 28.50 AND Tumor_Size_cm <= 3.72 AND Age > 59.00 AND Lymph_Nodes_Examined > 17.50 THEN class = Skin

Rule 1116: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm <= 3.88 AND Age > 28.50 AND Tumor_Size_cm > 3.72 AND BMI <= 26.55 THEN class = Leukemia

Rule 1117: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm <= 3.88 AND Age > 28.50 AND Tumor_Size_cm > 3.72 AND BMI > 26.55 THEN class = Colon

Rule 1118: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm <= 4.15 AND Tumor_Size_cm <= 4.02 AND Tumor_Size_cm <= 3.89 THEN class = Prostate

Rule 1119: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm <= 4.15 AND Tumor_Size_cm <= 4.02 AND Tumor_Size_cm > 3.89 AND Tumor_Size_cm <= 3.98 AND Tumor_Size_cm <= 3.91 THEN class = Leukemia

Rule 1120: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm <= 4.15 AND Tumor_Size_cm <= 4.02 AND Tumor_Size_cm > 3.89 AND Tumor_Size_cm <= 3.98 AND Tumor_Size_cm > 3.91 THEN class = Skin

Rule 1121: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm <= 4.15 AND Tumor_Size_cm <= 4.02 AND Tumor_Size_cm > 3.89 AND Tumor_Size_cm > 3.98 THEN class = Leukemia

Rule 1122: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm <= 4.15 AND Tumor_Size_cm > 4.02 AND Lymph_Nodes_Examined <= 8.00 AND Age <= 50.50 THEN class = Breast

Rule 1123: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm <= 4.15 AND Tumor_Size_cm > 4.02 AND Lymph_Nodes_Examined <= 8.00 AND Age > 50.50 AND Lymph_Nodes_Examined <= 2.50 THEN class = Lung

Rule 1124: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm <= 4.15 AND Tumor_Size_cm > 4.02 AND Lymph_Nodes_Examined <= 8.00 AND Age > 50.50 AND Lymph_Nodes_Examined > 2.50 AND BMI <= 29.45 THEN class = Skin

Rule 1125: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm <= 4.15 AND Tumor_Size_cm > 4.02 AND Lymph_Nodes_Examined <= 8.00 AND Age > 50.50 AND Lymph_Nodes_Examined > 2.50 AND BMI > 29.45 THEN class = Leukemia

Rule 1126: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm <= 4.15 AND Tumor_Size_cm > 4.02 AND Lymph_Nodes_Examined > 8.00 THEN class = Breast

Rule 1127: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm <= 4.43 AND Tumor_Size_cm <= 4.34 AND Lymph_Nodes_Examined <= 10.00 AND Lymph_Nodes_Examined <= 2.00 THEN class = Colon

Rule 1128: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm <= 4.43 AND Tumor_Size_cm <= 4.34 AND Lymph_Nodes_Examined <= 10.00 AND Lymph_Nodes_Examined > 2.00 THEN class = Lung

Rule 1129: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm

> 4.15 AND Tumor_Size_cm <= 4.43 AND Tumor_Size_cm <= 4.34 AND Lymph_Nodes_Examined > 10.00 AND BMI <= 29.30 THEN class = Prostate

Rule 1130: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm <= 4.43 AND Tumor_Size_cm <= 4.34 AND Lymph_Nodes_Examined > 10.00 AND BMI > 29.30 THEN class = Leukemia

Rule 1131: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm <= 4.43 AND Tumor_Size_cm > 4.34 AND BMI <= 27.45 AND Lymph_Nodes_Positive <= 7.50 THEN class = Breast

Rule 1132: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm <= 4.43 AND Tumor_Size_cm > 4.34 AND BMI <= 27.45 AND Lymph_Nodes_Positive > 7.50 THEN class = Prostate

Rule 1133: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm <= 4.43 AND Tumor_Size_cm > 4.34 AND BMI > 27.45 AND Lymph_Nodes_Examined <= 12.00 THEN class = Prostate

Rule 1134: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm <= 4.43 AND Tumor_Size_cm > 4.34 AND BMI > 27.45 AND Lymph_Nodes_Examined > 12.00 THEN class = Skin

Rule 1135: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI <= 28.55 AND Survival_Months <= 116.50 AND Tumor_Size_cm <= 8.94 AND Lymph_Nodes_Examined <= 0.50 AND Survival_Months <= 95.00 THEN class = Lung

Rule 1136: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI <= 28.55 AND Survival_Months <= 116.50 AND Tumor_Size_cm <= 8.94 AND Lymph_Nodes_Examined <= 0.50 AND Survival_Months > 95.00 AND Tumor_Size_cm <= 8.00 THEN class = Skin

Rule 1137: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm

> 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI <= 28.55 AND Survival_Months <= 116.50 AND Tumor_Size_cm <= 8.94 AND Lymph_Nodes_Examined <= 0.50 AND Survival_Months > 95.00 AND Tumor_Size_cm > 8.00 THEN class = Breast

Rule 1138: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI <= 28.55 AND Survival_Months <= 116.50 AND Tumor_Size_cm <= 8.94 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive <= 0.50 AND Age <= 41.00 AND Survival_Months <= 106.00 THEN class = Prostate

Rule 1139: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI <= 28.55 AND Survival_Months <= 116.50 AND Tumor_Size_cm <= 8.94 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive <= 0.50 AND Age <= 41.00 AND Survival_Months > 106.00 THEN class = Leukemia

Rule 1140: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI <= 28.55 AND Survival_Months <= 116.50 AND Tumor_Size_cm <= 8.94 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive <= 0.50 AND Age > 41.00 AND BMI <= 26.10 THEN class = Lung

Rule 1141: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI <= 28.55 AND Survival_Months <= 116.50 AND Tumor_Size_cm <= 8.94 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive <= 0.50 AND Age > 41.00 AND BMI > 26.10 AND BMI <= 27.95 AND Age <= 59.00 AND Tumor_Size_cm <= 5.77 THEN class = Colon

Rule 1142: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI <= 28.55 AND Survival_Months <= 116.50 AND Tumor_Size_cm <= 8.94 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive <= 0.50 AND Age > 41.00 AND BMI > 26.10 AND BMI <= 27.95 AND Age <= 59.00 AND Tumor_Size_cm > 5.77 AND Age <= 51.50 THEN class = Leukemia

Rule 1143: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI

<= 28.55 AND Survival_Months <= 116.50 AND Tumor_Size_cm <= 8.94 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive <= 0.50 AND Age > 41.00 AND BMI > 26.10 AND BMI <= 27.95 AND Age <= 59.00 AND Tumor_Size_cm > 5.77 AND Age > 51.50 THEN class = Prostate

Rule 1144: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI <= 28.55 AND Survival_Months <= 116.50 AND Tumor_Size_cm <= 8.94 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive <= 0.50 AND Age > 41.00 AND BMI > 26.10 AND BMI <= 27.95 AND Age > 59.00 AND BMI <= 26.70 THEN class = Colon

Rule 1145: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI <= 28.55 AND Survival_Months <= 116.50 AND Tumor_Size_cm <= 8.94 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive <= 0.50 AND Age > 41.00 AND BMI > 26.10 AND BMI <= 27.95 AND Age > 59.00 AND BMI > 26.70 THEN class = Leukemia

Rule 1146: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI <= 28.55 AND Survival_Months <= 116.50 AND Tumor_Size_cm <= 8.94 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive <= 0.50 AND Age > 41.00 AND BMI > 26.10 AND BMI > 27.95 THEN class = Prostate

Rule 1147: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI <= 28.55 AND Survival_Months <= 116.50 AND Tumor_Size_cm <= 8.94 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive > 0.50 AND Survival_Months <= 115.50 AND Age <= 33.00 AND Tumor_Size_cm <= 6.27 THEN class = Colon

Rule 1148: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI <= 28.55 AND Survival_Months <= 116.50 AND Tumor_Size_cm <= 8.94 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive > 0.50 AND Survival_Months <= 115.50 AND Age <= 33.00 AND Tumor_Size_cm > 6.27 AND Tumor_Size_cm <= 7.49 AND Lymph_Nodes_Positive <= 4.00 THEN class = Breast

Rule 1149: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI

<= 28.55 AND Survival_Months <= 116.50 AND Tumor_Size_cm <= 8.94 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive > 0.50 AND Survival_Months <= 115.50 AND Age <= 33.00 AND Tumor_Size_cm > 6.27 AND Tumor_Size_cm <= 7.49 AND Lymph_Nodes_Positive > 4.00 AND Lymph_Nodes_Positive <= 8.00 THEN class = Skin

Rule 1150: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI <= 28.55 AND Survival_Months <= 116.50 AND Tumor_Size_cm <= 8.94 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive > 0.50 AND Survival_Months <= 115.50 AND Age <= 33.00 AND Tumor_Size_cm > 6.27 AND Tumor_Size_cm <= 7.49 AND Lymph_Nodes_Positive > 4.00 AND Lymph_Nodes_Positive > 8.00 THEN class = Colon

Rule 1151: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI <= 28.55 AND Survival_Months <= 116.50 AND Tumor_Size_cm <= 8.94 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive > 0.50 AND Survival_Months <= 115.50 AND Age <= 33.00 AND Tumor_Size_cm > 6.27 AND Tumor_Size_cm > 7.49 THEN class = Leukemia

Rule 1152: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI <= 28.55 AND Survival_Months <= 116.50 AND Tumor_Size_cm <= 8.94 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive > 0.50 AND Survival_Months <= 115.50 AND Age > 33.00 AND Tumor_Size_cm <= 6.31 AND Lymph_Nodes_Examined <= 15.00 AND BMI <= 26.20 THEN class = Skin

Rule 1153: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI <= 28.55 AND Survival_Months <= 116.50 AND Tumor_Size_cm <= 8.94 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive > 0.50 AND Survival_Months <= 115.50 AND Age > 33.00 AND Tumor_Size_cm <= 6.31 AND Lymph_Nodes_Examined <= 15.00 AND BMI > 26.20 AND BMI <= 26.90 AND Survival_Months <= 69.50 THEN class = Colon

Rule 1154: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI <= 28.55 AND Survival_Months <= 116.50 AND Tumor_Size_cm <= 8.94 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive > 0.50 AND Survival_Months <= 115.50 AND Age > 33.00 AND Tumor_Size_cm <= 6.31 AND Lymph_Nodes_Examined <= 15.00 AND BMI > 26.20 AND BMI <= 26.90 AND Survival_Months > 69.50 AND Lymph_Nodes_Positive <= 6.50 AND Lymph_Nodes_Examined <= 10.50 THEN class = Leukemia

Rule 1155: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI <= 28.55 AND Survival_Months <= 116.50 AND Tumor_Size_cm <= 8.94 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive > 0.50 AND Survival_Months <= 115.50 AND Age > 33.00 AND Tumor_Size_cm <= 6.31 AND Lymph_Nodes_Examined <= 15.00 AND BMI > 26.20 AND BMI <= 26.90 AND Survival_Months > 69.50 AND Lymph_Nodes_Positive <= 6.50 AND Lymph_Nodes_Examined > 10.50 THEN class = Prostate

Rule 1156: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI <= 28.55 AND Survival_Months <= 116.50 AND Tumor_Size_cm <= 8.94 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive > 0.50 AND Survival_Months <= 115.50 AND Age > 33.00 AND Tumor_Size_cm <= 6.31 AND Lymph_Nodes_Examined <= 15.00 AND BMI > 26.20 AND BMI <= 26.90 AND Survival_Months > 69.50 AND Lymph_Nodes_Positive > 6.50 THEN class = Lung

Rule 1157: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI <= 28.55 AND Survival_Months <= 116.50 AND Tumor_Size_cm <= 8.94 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive > 0.50 AND Survival_Months <= 115.50 AND Age > 33.00 AND Tumor_Size_cm <= 6.31 AND Lymph_Nodes_Examined <= 15.00 AND BMI > 26.20 AND BMI > 26.90 AND Age <= 70.50 AND Lymph_Nodes_Positive <= 5.50 THEN class = Breast

Rule 1158: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI <= 28.55 AND Survival_Months <= 116.50 AND Tumor_Size_cm <= 8.94 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive > 0.50 AND Survival_Months <= 115.50 AND Age > 33.00 AND Tumor_Size_cm <= 6.31 AND Lymph_Nodes_Examined <= 15.00 AND BMI > 26.20 AND BMI > 26.90 AND Age <= 70.50 AND Lymph_Nodes_Positive > 5.50 AND Age <= 41.50 THEN class = Colon

Rule 1159: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI <= 28.55 AND Survival_Months <= 116.50 AND Tumor_Size_cm <= 8.94 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive > 0.50 AND Survival_Months <= 115.50 AND Age > 33.00 AND Tumor_Size_cm <= 6.31 AND Lymph_Nodes_Examined <= 15.00 AND BMI > 26.20 AND BMI > 26.90 AND Age <= 70.50 AND Lymph_Nodes_Positive > 5.50 AND Age > 41.50 THEN class = Skin

Rule 1160: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI <= 28.55 AND Survival_Months <= 116.50 AND Tumor_Size_cm <= 8.94 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive > 0.50 AND Survival_Months <= 115.50 AND Age > 33.00 AND Tumor_Size_cm <= 6.31 AND Lymph_Nodes_Examined <= 15.00 AND BMI > 26.20 AND BMI > 26.90 AND Age > 70.50 AND Tumor_Size_cm <= 5.47 THEN class = Lung

Rule 1161: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI <= 28.55 AND Survival_Months <= 116.50 AND Tumor_Size_cm <= 8.94 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive > 0.50 AND Survival_Months <= 115.50 AND Age > 33.00 AND Tumor_Size_cm <= 6.31 AND Lymph_Nodes_Examined <= 15.00 AND BMI > 26.20 AND BMI > 26.90 AND Age > 70.50 AND Tumor_Size_cm > 5.47 AND Lymph_Nodes_Examined <= 11.00 THEN class = Skin

Rule 1162: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI <= 28.55 AND Survival_Months <= 116.50 AND Tumor_Size_cm <= 8.94 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive > 0.50 AND Survival_Months <= 115.50 AND Age > 33.00 AND Tumor_Size_cm <= 6.31 AND Lymph_Nodes_Examined <= 15.00 AND BMI > 26.20 AND BMI > 26.90 AND Age > 70.50 AND Tumor_Size_cm > 5.47 AND Lymph_Nodes_Examined > 11.00 THEN class = Lung

Rule 1163: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI <= 28.55 AND Survival_Months <= 116.50 AND Tumor_Size_cm <= 8.94 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive > 0.50 AND Survival_Months <= 115.50 AND Age > 33.00 AND Tumor_Size_cm <= 6.31 AND Lymph_Nodes_Examined > 15.00 AND Survival_Months <= 83.50 THEN class = Skin

Rule 1164: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI <= 28.55 AND Survival_Months <= 116.50 AND Tumor_Size_cm <= 8.94 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive > 0.50 AND Survival_Months <= 115.50 AND Age > 33.00 AND Tumor_Size_cm <= 6.31 AND Lymph_Nodes_Examined > 15.00 AND Survival_Months > 83.50 AND Age <= 61.00 AND Age <= 47.00 THEN class = Prostate

Rule 1165: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm

> 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI <= 28.55 AND Survival_Months <= 116.50 AND Tumor_Size_cm <= 8.94 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive > 0.50 AND Survival_Months <= 115.50 AND Age > 33.00 AND Tumor_Size_cm <= 6.31 AND Lymph_Nodes_Examined > 15.00 AND Survival_Months > 83.50 AND Age <= 61.00 AND Age > 47.00 THEN class = Breast

Rule 1166: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI <= 28.55 AND Survival_Months <= 116.50 AND Tumor_Size_cm <= 8.94 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive > 0.50 AND Survival_Months <= 115.50 AND Age > 33.00 AND Tumor_Size_cm <= 6.31 AND Lymph_Nodes_Examined > 15.00 AND Survival_Months > 83.50 AND Age > 61.00 THEN class = Prostate

Rule 1167: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI <= 28.55 AND Survival_Months <= 116.50 AND Tumor_Size_cm <= 8.94 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive > 0.50 AND Survival_Months <= 115.50 AND Age > 33.00 AND Tumor_Size_cm > 6.31 AND Tumor_Size_cm <= 7.99 AND BMI <= 25.95 AND Tumor_Size_cm <= 6.39 THEN class = Colon

Rule 1168: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI <= 28.55 AND Survival_Months <= 116.50 AND Tumor_Size_cm <= 8.94 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive > 0.50 AND Survival_Months <= 115.50 AND Age > 33.00 AND Tumor_Size_cm > 6.31 AND Tumor_Size_cm <= 7.99 AND BMI <= 25.95 AND Tumor_Size_cm > 6.39 AND Lymph_Nodes_Examined <= 9.00 THEN class = Prostate

Rule 1169: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI <= 28.55 AND Survival_Months <= 116.50 AND Tumor_Size_cm <= 8.94 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive > 0.50 AND Survival_Months <= 115.50 AND Age > 33.00 AND Tumor_Size_cm > 6.31 AND Tumor_Size_cm <= 7.99 AND BMI <= 25.95 AND Tumor_Size_cm > 6.39 AND Lymph_Nodes_Examined > 9.00 THEN class = Breast

Rule 1170: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI <= 28.55 AND Survival_Months <= 116.50 AND Tumor_Size_cm <= 8.94 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive > 0.50 AND Survival_Months <= 115.50 AND Age > 33.00 AND Tumor_Size_cm > 6.31 AND Tumor_Size_cm <= 7.99 AND BMI > 25.95 AND Survival_Months <= 76.00 AND Lymph_Nodes_Examined <= 15.50 THEN class = Leukemia

Rule 1171: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI <= 28.55 AND Survival_Months <= 116.50 AND Tumor_Size_cm <= 8.94 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive > 0.50 AND Survival_Months <= 115.50 AND Age > 33.00 AND Tumor_Size_cm > 6.31 AND Tumor_Size_cm <= 7.99 AND BMI > 25.95 AND Survival_Months <= 76.00 AND Lymph_Nodes_Examined > 15.50 AND Lymph_Nodes_Positive <= 9.50 THEN class = Prostate

Rule 1172: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI <= 28.55 AND Survival_Months <= 116.50 AND Tumor_Size_cm <= 8.94 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive > 0.50 AND Survival_Months <= 115.50 AND Age > 33.00 AND Tumor_Size_cm > 6.31 AND Tumor_Size_cm <= 7.99 AND BMI > 25.95 AND Survival_Months <= 76.00 AND Lymph_Nodes_Examined > 15.50 AND Lymph_Nodes_Positive > 9.50 THEN class = Breast

Rule 1173: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI <= 28.55 AND Survival_Months <= 116.50 AND Tumor_Size_cm <= 8.94 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive > 0.50 AND Survival_Months <= 115.50 AND Age > 33.00 AND Tumor_Size_cm > 6.31 AND Tumor_Size_cm <= 7.99 AND BMI > 25.95 AND Survival_Months > 76.00 AND Tumor_Size_cm <= 7.52 AND Tumor_Size_cm <= 7.42 AND BMI <= 28.40 AND Tumor_Size_cm <= 6.48 THEN class = Breast

Rule 1174: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI <= 28.55 AND Survival_Months <= 116.50 AND Tumor_Size_cm <= 8.94 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive > 0.50 AND Survival_Months <= 115.50 AND Age > 33.00 AND Tumor_Size_cm > 6.31 AND Tumor_Size_cm <= 7.99 AND BMI > 25.95 AND Survival_Months > 76.00 AND Tumor_Size_cm <= 7.52 AND Tumor_Size_cm <= 7.42 AND BMI <= 28.40 AND Tumor_Size_cm > 6.48 THEN class = Lung

Rule 1175: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI <= 28.55 AND Survival_Months <= 116.50 AND Tumor_Size_cm <= 8.94 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive > 0.50 AND Survival_Months <= 115.50 AND Age > 33.00 AND Tumor_Size_cm > 6.31 AND Tumor_Size_cm <= 7.99 AND BMI > 25.95 AND Survival_Months > 76.00 AND Tumor_Size_cm <= 7.52 AND Tumor_Size_cm <= 7.42 AND BMI > 28.40 THEN class = Colon

Rule 1176: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI <= 28.55 AND Survival_Months <= 116.50 AND Tumor_Size_cm <= 8.94 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive > 0.50 AND Survival_Months <= 115.50 AND Age > 33.00 AND Tumor_Size_cm > 6.31 AND Tumor_Size_cm <= 7.99 AND BMI > 25.95 AND Survival_Months > 76.00 AND Tumor_Size_cm <= 7.52 AND Tumor_Size_cm > 7.42 THEN class = Colon

Rule 1177: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI <= 28.55 AND Survival_Months <= 116.50 AND Tumor_Size_cm <= 8.94 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive > 0.50 AND Survival_Months <= 115.50 AND Age > 33.00 AND Tumor_Size_cm > 6.31 AND Tumor_Size_cm <= 7.99 AND BMI > 25.95 AND Survival_Months > 76.00 AND Tumor_Size_cm > 7.52 AND Tumor_Size_cm <= 7.88 THEN class = Breast

Rule 1178: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI <= 28.55 AND Survival_Months <= 116.50 AND Tumor_Size_cm <= 8.94 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive > 0.50 AND Survival_Months <= 115.50 AND Age > 33.00 AND Tumor_Size_cm > 6.31 AND Tumor_Size_cm <= 7.99 AND BMI > 25.95 AND Survival_Months > 76.00 AND Tumor_Size_cm > 7.52 AND Tumor_Size_cm > 7.88 AND Lymph_Nodes_Positive <= 5.00 THEN class = Colon

Rule 1179: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI <= 28.55 AND Survival_Months <= 116.50 AND Tumor_Size_cm <= 8.94 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive > 0.50 AND Survival_Months <= 115.50 AND Age > 33.00 AND Tumor_Size_cm > 6.31 AND Tumor_Size_cm <= 7.99 AND BMI > 25.95 AND Survival_Months > 76.00 AND Tumor_Size_cm > 7.52 AND Tumor_Size_cm > 7.88 AND Lymph_Nodes_Positive > 5.00 THEN class = Lung

Rule 1180: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI <= 28.55 AND Survival_Months <= 116.50 AND Tumor_Size_cm <= 8.94 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive > 0.50 AND Survival_Months <= 115.50 AND Age > 33.00 AND Tumor_Size_cm > 6.31 AND Tumor_Size_cm > 7.99 AND Survival_Months <= 104.50 AND Lymph_Nodes_Positive <= 5.50 AND BMI <= 27.85 AND Age <= 40.00 THEN class = Leukemia

Rule 1181: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI <= 28.55 AND Survival_Months <= 116.50 AND Tumor_Size_cm <= 8.94 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive > 0.50 AND Survival_Months <= 115.50 AND Age > 33.00 AND Tumor_Size_cm > 6.31 AND Tumor_Size_cm > 7.99 AND Survival_Months <= 104.50 AND Lymph_Nodes_Positive <= 5.50 AND BMI <= 27.85 AND Age > 40.00 THEN class = Colon

Rule 1182: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI <= 28.55 AND Survival_Months <= 116.50 AND Tumor_Size_cm <= 8.94 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive > 0.50 AND Survival_Months <= 115.50 AND Age > 33.00 AND Tumor_Size_cm > 6.31 AND Tumor_Size_cm > 7.99 AND Survival_Months <= 104.50 AND Lymph_Nodes_Positive <= 5.50 AND BMI > 27.85 AND Survival_Months <= 76.00 THEN class = Skin

Rule 1183: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI <= 28.55 AND Survival_Months <= 116.50 AND Tumor_Size_cm <= 8.94 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive > 0.50 AND Survival_Months <= 115.50 AND Age > 33.00 AND Tumor_Size_cm > 6.31 AND Tumor_Size_cm > 7.99 AND Survival_Months <= 104.50 AND Lymph_Nodes_Positive <= 5.50 AND BMI > 27.85 AND Survival_Months > 76.00 AND Survival_Months <= 80.00 THEN class = Leukemia

Rule 1184: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI <= 28.55 AND Survival_Months <= 116.50 AND Tumor_Size_cm <= 8.94 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive > 0.50 AND Survival_Months <= 115.50 AND Age > 33.00 AND Tumor_Size_cm > 6.31 AND Tumor_Size_cm > 7.99 AND Survival_Months <= 104.50 AND Lymph_Nodes_Positive <= 5.50 AND BMI > 27.85 AND Survival_Months > 76.00 AND Survival_Months > 80.00 THEN class = Breast

Rule 1185: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI <= 28.55 AND Survival_Months <= 116.50 AND Tumor_Size_cm <= 8.94 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive > 0.50 AND Survival_Months <= 115.50 AND Age > 33.00 AND Tumor_Size_cm > 6.31 AND Tumor_Size_cm > 7.99 AND Survival_Months <= 104.50 AND Lymph_Nodes_Positive > 5.50 AND Survival_Months <= 87.00 AND Tumor_Size_cm <= 8.65 THEN class = Leukemia

Rule 1186: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI <= 28.55 AND Survival_Months <= 116.50 AND Tumor_Size_cm <= 8.94 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive > 0.50 AND Survival_Months <= 115.50 AND Age > 33.00 AND Tumor_Size_cm > 6.31 AND Tumor_Size_cm > 7.99 AND Survival_Months <= 104.50 AND Lymph_Nodes_Positive > 5.50 AND Survival_Months <= 87.00 AND Tumor_Size_cm > 8.65 THEN class = Lung

Rule 1187: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI <= 28.55 AND Survival_Months <= 116.50 AND Tumor_Size_cm <= 8.94 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive > 0.50 AND Survival_Months <= 115.50 AND Age > 33.00 AND Tumor_Size_cm > 6.31 AND Tumor_Size_cm > 7.99 AND Survival_Months <= 104.50 AND Lymph_Nodes_Positive > 5.50 AND Survival_Months > 87.00 THEN class = Prostate

Rule 1188: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI <= 28.55 AND Survival_Months <= 116.50 AND Tumor_Size_cm <= 8.94 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive > 0.50 AND Survival_Months <= 115.50 AND Age > 33.00 AND Tumor_Size_cm > 6.31 AND Tumor_Size_cm > 7.99 AND Survival_Months > 104.50 THEN class = Skin

Rule 1189: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI <= 28.55 AND Survival_Months <= 116.50 AND Tumor_Size_cm <= 8.94 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive > 0.50 AND Survival_Months > 115.50 AND Tumor_Size_cm <= 8.13 THEN class = Colon

Rule 1190: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI <= 28.55 AND Survival_Months <= 116.50 AND Tumor_Size_cm <= 8.94 AND Lymph_Nodes_Examined > 0.50 AND Lymph_Nodes_Positive > 0.50 AND Survival_Months > 115.50 AND Tumor_Size_cm > 8.13 THEN class = Lung

Rule 1191: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI <= 28.55 AND Survival_Months <= 116.50 AND Tumor_Size_cm > 8.94 THEN class = Lung

Rule 1192: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI <= 28.55 AND Survival_Months > 116.50 AND Tumor_Size_cm <= 8.07 THEN class = Breast

Rule 1193: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI <= 28.55 AND Survival_Months > 116.50 AND Tumor_Size_cm > 8.07 THEN class = Leukemia

Rule 1194: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI > 28.55 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 7.38 AND Age <= 28.50 THEN class = Leukemia

Rule 1195: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI > 28.55 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 7.38 AND Age > 28.50 AND Survival_Months <= 87.50 AND Survival_Months <= 82.00 AND BMI <= 29.65 THEN class = Skin

Rule 1196: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI > 28.55 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 7.38 AND Age > 28.50 AND Survival_Months <= 87.50 AND Survival_Months <= 82.00 AND BMI > 29.65 THEN class = Leukemia

Rule 1197: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI > 28.55 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 7.38 AND Age > 28.50 AND Survival_Months <= 87.50 AND Survival_Months > 82.00 THEN class = Lung

Rule 1198: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI > 28.55 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 7.38 AND Age > 28.50 AND Survival_Months > 87.50 AND Tumor_Size_cm <= 4.78 THEN class = Colon

Rule 1199: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI

> 28.55 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 7.38 AND Age > 28.50 AND Survival_Months > 87.50 AND Tumor_Size_cm > 4.78 AND Lymph_Nodes_Examined <= 3.50 AND Tumor_Size_cm <= 5.35 THEN class = Prostate

Rule 1200: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI > 28.55 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 7.38 AND Age > 28.50 AND Survival_Months > 87.50 AND Tumor_Size_cm > 4.78 AND Lymph_Nodes_Examined <= 3.50 AND Tumor_Size_cm > 5.35 THEN class = Colon

Rule 1201: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI > 28.55 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm <= 7.38 AND Age > 28.50 AND Survival_Months > 87.50 AND Tumor_Size_cm > 4.78 AND Lymph_Nodes_Examined > 3.50 THEN class = Prostate

Rule 1202: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI > 28.55 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm > 7.38 AND Survival_Months <= 67.00 THEN class = Breast

Rule 1203: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI > 28.55 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm > 7.38 AND Survival_Months > 67.00 AND Survival_Months <= 77.00 AND BMI <= 29.05 THEN class = Colon

Rule 1204: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI > 28.55 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm > 7.38 AND Survival_Months > 67.00 AND Survival_Months <= 77.00 AND BMI > 29.05 THEN class = Lung

Rule 1205: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI > 28.55 AND Lymph_Nodes_Examined <= 9.50 AND Tumor_Size_cm > 7.38 AND Survival_Months > 67.00 AND Survival_Months > 77.00 THEN class = Colon

Rule 1206: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm

> 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI > 28.55 AND Lymph_Nodes_Examined > 9.50 AND Lymph_Nodes_Positive <= 5.50 AND Survival_Months <= 90.00 AND Tumor_Size_cm <= 5.19 THEN class = Skin

Rule 1207: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI > 28.55 AND Lymph_Nodes_Examined > 9.50 AND Lymph_Nodes_Positive <= 5.50 AND Survival_Months <= 90.00 AND Tumor_Size_cm > 5.19 THEN class = Lung

Rule 1208: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI > 28.55 AND Lymph_Nodes_Examined > 9.50 AND Lymph_Nodes_Positive <= 5.50 AND Survival_Months > 90.00 AND BMI <= 29.15 THEN class = Skin

Rule 1209: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI > 28.55 AND Lymph_Nodes_Examined > 9.50 AND Lymph_Nodes_Positive <= 5.50 AND Survival_Months > 90.00 AND BMI > 29.15 AND Survival_Months <= 116.50 AND Age <= 31.50 THEN class = Prostate

Rule 1210: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI > 28.55 AND Lymph_Nodes_Examined > 9.50 AND Lymph_Nodes_Positive <= 5.50 AND Survival_Months > 90.00 AND BMI > 29.15 AND Survival_Months <= 116.50 AND Age > 31.50 THEN class = Leukemia

Rule 1211: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI > 28.55 AND Lymph_Nodes_Examined > 9.50 AND Lymph_Nodes_Positive <= 5.50 AND Survival_Months > 90.00 AND BMI > 29.15 AND Survival_Months > 116.50 THEN class = Skin

Rule 1212: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI > 28.55 AND Lymph_Nodes_Examined > 9.50 AND Lymph_Nodes_Positive > 5.50 AND BMI <= 28.75 THEN class = Colon

Rule 1213: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm

> 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI > 28.55 AND Lymph_Nodes_Examined > 9.50 AND Lymph_Nodes_Positive > 5.50 AND BMI > 28.75 AND BMI <= 29.05 THEN class = Lung

Rule 1214: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI > 28.55 AND Lymph_Nodes_Examined > 9.50 AND Lymph_Nodes_Positive > 5.50 AND BMI > 28.75 AND BMI > 29.05 AND BMI <= 29.90 AND Lymph_Nodes_Examined <= 14.00 THEN class = Colon

Rule 1215: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI > 28.55 AND Lymph_Nodes_Examined > 9.50 AND Lymph_Nodes_Positive > 5.50 AND BMI > 28.75 AND BMI > 29.05 AND BMI <= 29.90 AND Lymph_Nodes_Examined > 14.00 AND Tumor_Size_cm <= 4.65 THEN class = Breast

Rule 1216: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI > 28.55 AND Lymph_Nodes_Examined > 9.50 AND Lymph_Nodes_Positive > 5.50 AND BMI > 28.75 AND BMI > 29.05 AND BMI <= 29.90 AND Lymph_Nodes_Examined > 14.00 AND Tumor_Size_cm > 4.65 THEN class = Skin

Rule 1217: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI > 28.55 AND Lymph_Nodes_Examined > 9.50 AND Lymph_Nodes_Positive > 5.50 AND BMI > 28.75 AND BMI > 29.05 AND BMI > 29.90 AND Tumor_Size_cm <= 6.95 THEN class = Lung

Rule 1218: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI > 28.55 AND Lymph_Nodes_Examined > 9.50 AND Lymph_Nodes_Positive > 5.50 AND BMI > 28.75 AND BMI > 29.05 AND BMI > 29.90 AND Tumor_Size_cm > 6.95 AND Age <= 34.00 AND Survival_Months <= 87.50 THEN class = Lung

Rule 1219: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI > 28.55 AND Lymph_Nodes_Examined > 9.50 AND Lymph_Nodes_Positive > 5.50 AND BMI > 28.75 AND BMI > 29.05 AND BMI > 29.90 AND Tumor_Size_cm > 6.95 AND Age <= 34.00 AND Survival_Months > 87.50 THEN class = Colon

Rule 1220: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive <= 16.50 AND BMI > 28.55 AND Lymph_Nodes_Examined > 9.50 AND Lymph_Nodes_Positive > 5.50 AND BMI > 28.75 AND BMI > 29.05 AND BMI > 29.90 AND Tumor_Size_cm > 6.95 AND Age > 34.00 THEN class = Leukemia

Rule 1221: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI <= 30.85 AND Lymph_Nodes_Positive > 16.50 THEN class = Breast

Rule 1222: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI > 30.85 AND Tumor_Size_cm <= 8.55 AND Age <= 54.50 AND Age <= 26.50 AND Age <= 21.50 THEN class = Colon

Rule 1223: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI > 30.85 AND Tumor_Size_cm <= 8.55 AND Age <= 54.50 AND Age <= 26.50 AND Age > 21.50 AND BMI <= 31.60 AND Lymph_Nodes_Positive <= 5.50 THEN class = Leukemia

Rule 1224: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI > 30.85 AND Tumor_Size_cm <= 8.55 AND Age <= 54.50 AND Age <= 26.50 AND Age > 21.50 AND BMI <= 31.60 AND Lymph_Nodes_Positive > 5.50 THEN class = Skin

Rule 1225: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI > 30.85 AND Tumor_Size_cm <= 8.55 AND Age <= 54.50 AND Age <= 26.50 AND Age > 21.50 AND BMI > 31.60 AND Lymph_Nodes_Positive <= 0.50 THEN class = Breast

Rule 1226: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI > 30.85 AND Tumor_Size_cm <= 8.55 AND Age <= 54.50 AND Age <= 26.50 AND Age > 21.50 AND BMI > 31.60 AND Lymph_Nodes_Positive > 0.50 AND Lymph_Nodes_Positive <= 1.50 THEN class = Leukemia

Rule 1227: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm

> 4.15 AND Tumor_Size_cm > 4.43 AND BMI > 30.85 AND Tumor_Size_cm <= 8.55 AND Age <= 54.50 AND Age <= 26.50 AND Age > 21.50 AND BMI > 31.60 AND Lymph_Nodes_Positive > 0.50 AND Lymph_Nodes_Positive > 1.50 THEN class = Breast

Rule 1228: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI > 30.85 AND Tumor_Size_cm <= 8.55 AND Age <= 54.50 AND Age > 26.50 AND Age <= 43.00 AND Survival_Months <= 87.00 AND Tumor_Size_cm <= 6.15 AND Survival_Months <= 81.00 THEN class = Skin

Rule 1229: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI > 30.85 AND Tumor_Size_cm <= 8.55 AND Age <= 54.50 AND Age > 26.50 AND Age <= 43.00 AND Survival_Months <= 87.00 AND Tumor_Size_cm <= 6.15 AND Survival_Months > 81.00 THEN class = Leukemia

Rule 1230: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI > 30.85 AND Tumor_Size_cm <= 8.55 AND Age <= 54.50 AND Age > 26.50 AND Age <= 43.00 AND Survival_Months <= 87.00 AND Tumor_Size_cm > 6.15 AND Survival_Months <= 76.50 THEN class = Lung

Rule 1231: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI > 30.85 AND Tumor_Size_cm <= 8.55 AND Age <= 54.50 AND Age > 26.50 AND Age <= 43.00 AND Survival_Months <= 87.00 AND Tumor_Size_cm > 6.15 AND Survival_Months > 76.50 THEN class = Prostate

Rule 1232: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI > 30.85 AND Tumor_Size_cm <= 8.55 AND Age <= 54.50 AND Age > 26.50 AND Age <= 43.00 AND Survival_Months > 87.00 THEN class = Lung

Rule 1233: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI > 30.85 AND Tumor_Size_cm <= 8.55 AND Age <= 54.50 AND Age > 26.50 AND Age > 43.00 AND Lymph_Nodes_Positive <= 11.00 AND Lymph_Nodes_Examined <= 3.00 THEN class = Prostate

Rule 1234: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI > 30.85 AND Tumor_Size_cm <= 8.55 AND Age <= 54.50 AND Age > 26.50 AND Age > 43.00 AND Lymph_Nodes_Positive <= 11.00 AND Lymph_Nodes_Examined > 3.00 AND Lymph_Nodes_Examined <= 6.00 THEN class = Lung

Rule 1235: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI > 30.85 AND Tumor_Size_cm <= 8.55 AND Age <= 54.50 AND Age > 26.50 AND Age > 43.00 AND Lymph_Nodes_Positive <= 11.00 AND Lymph_Nodes_Examined > 3.00 AND Lymph_Nodes_Examined > 6.00 AND Tumor_Size_cm <= 4.94 AND Survival_Months <= 102.00 THEN class = Lung

Rule 1236: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI > 30.85 AND Tumor_Size_cm <= 8.55 AND Age <= 54.50 AND Age > 26.50 AND Age > 43.00 AND Lymph_Nodes_Positive <= 11.00 AND Lymph_Nodes_Examined > 3.00 AND Lymph_Nodes_Examined > 6.00 AND Tumor_Size_cm <= 4.94 AND Survival_Months > 102.00 THEN class = Breast

Rule 1237: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI > 30.85 AND Tumor_Size_cm <= 8.55 AND Age <= 54.50 AND Age > 26.50 AND Age > 43.00 AND Lymph_Nodes_Positive <= 11.00 AND Lymph_Nodes_Examined > 3.00 AND Lymph_Nodes_Examined > 6.00 AND Tumor_Size_cm > 4.94 THEN class = Breast

Rule 1238: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI > 30.85 AND Tumor_Size_cm <= 8.55 AND Age <= 54.50 AND Age > 26.50 AND Age > 43.00 AND Lymph_Nodes_Positive > 11.00 THEN class = Colon

Rule 1239: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI > 30.85 AND Tumor_Size_cm <= 8.55 AND Age > 54.50 AND Tumor_Size_cm <= 7.77 AND Tumor_Size_cm <= 6.19 AND Tumor_Size_cm <= 5.78 AND BMI <= 33.15 AND Lymph_Nodes_Examined <= 4.50 THEN class = Skin

Rule 1240: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI > 30.85 AND Tumor_Size_cm <= 8.55 AND Age > 54.50 AND Tumor_Size_cm <= 7.77 AND Tumor_Size_cm <= 6.19 AND Tumor_Size_cm <= 5.78 AND BMI <= 33.15 AND Lymph_Nodes_Examined > 4.50 THEN class = Colon

Rule 1241: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI > 30.85 AND Tumor_Size_cm <= 8.55 AND Age > 54.50 AND Tumor_Size_cm <= 7.77 AND Tumor_Size_cm <= 6.19 AND Tumor_Size_cm <= 5.78 AND BMI > 33.15 THEN class = Prostate

Rule 1242: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI > 30.85 AND Tumor_Size_cm <= 8.55 AND Age > 54.50 AND Tumor_Size_cm <= 7.77 AND Tumor_Size_cm <= 6.19 AND Tumor_Size_cm > 5.78 THEN class = Colon

Rule 1243: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI > 30.85 AND Tumor_Size_cm <= 8.55 AND Age > 54.50 AND Tumor_Size_cm <= 7.77 AND Tumor_Size_cm > 6.19 AND Survival_Months <= 94.00 AND BMI <= 31.85 THEN class = Skin

Rule 1244: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI > 30.85 AND Tumor_Size_cm <= 8.55 AND Age > 54.50 AND Tumor_Size_cm <= 7.77 AND Tumor_Size_cm > 6.19 AND Survival_Months <= 94.00 AND BMI > 31.85 AND Survival_Months <= 78.00 AND BMI <= 34.00 THEN class = Prostate

Rule 1245: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI > 30.85 AND Tumor_Size_cm <= 8.55 AND Age > 54.50 AND Tumor_Size_cm <= 7.77 AND Tumor_Size_cm > 6.19 AND Survival_Months <= 94.00 AND BMI > 31.85 AND Survival_Months <= 78.00 AND BMI > 34.00 AND BMI <= 34.25 THEN class = Skin

Rule 1246: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI > 30.85 AND Tumor_Size_cm <= 8.55 AND Age > 54.50 AND Tumor_Size_cm <= 7.77 AND Tumor_Size_cm > 6.19 AND Survival_Months <= 94.00 AND BMI > 31.85 AND Survival_Months <= 78.00 AND BMI > 34.00 AND BMI > 34.25 THEN class = Leukemia

Rule 1247: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI > 30.85 AND Tumor_Size_cm <= 8.55 AND Age > 54.50 AND Tumor_Size_cm <= 7.77 AND Tumor_Size_cm > 6.19 AND Survival_Months <= 94.00 AND BMI > 31.85 AND Survival_Months > 78.00 THEN class = Breast

Rule 1248: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI > 30.85 AND Tumor_Size_cm <= 8.55 AND Age > 54.50 AND Tumor_Size_cm <= 7.77 AND Tumor_Size_cm > 6.19 AND Survival_Months > 94.00 THEN class = Prostate

Rule 1249: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND

Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI > 30.85 AND Tumor_Size_cm <= 8.55 AND Age > 54.50 AND Tumor_Size_cm > 7.77 AND Age <= 68.50 AND BMI <= 37.50 THEN class = Leukemia

Rule 1250: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI > 30.85 AND Tumor_Size_cm <= 8.55 AND Age > 54.50 AND Tumor_Size_cm > 7.77 AND Age <= 68.50 AND BMI > 37.50 THEN class = Breast

Rule 1251: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI > 30.85 AND Tumor_Size_cm <= 8.55 AND Age > 54.50 AND Tumor_Size_cm > 7.77 AND Age > 68.50 THEN class = Lung

Rule 1252: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm <= 9.12 AND Survival_Months > 63.50 AND Tumor_Size_cm > 1.69 AND Tumor_Size_cm > 3.42 AND Tumor_Size_cm > 3.88 AND Tumor_Size_cm > 4.15 AND Tumor_Size_cm > 4.43 AND BMI > 30.85 AND Tumor_Size_cm > 8.55 THEN class = Prostate

Rule 1253: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm > 9.12 AND Lymph_Nodes_Examined <= 5.50 AND Tumor_Size_cm <= 9.46 AND Tumor_Size_cm <= 9.14 THEN class = Leukemia

Rule 1254: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm > 9.12 AND Lymph_Nodes_Examined <= 5.50 AND Tumor_Size_cm <= 9.46 AND Tumor_Size_cm > 9.14 THEN class = Skin

Rule 1255: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm > 9.12 AND Lymph_Nodes_Examined <= 5.50 AND Tumor_Size_cm > 9.46 THEN class = Leukemia

Rule 1256: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm > 9.12 AND Lymph_Nodes_Examined > 5.50 AND Lymph_Nodes_Examined <= 16.50 AND Age <= 78.50 AND Survival_Months <= 111.50 AND Age <= 77.50 AND Survival_Months <= 52.50 THEN class = Colon

Rule 1257: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm > 9.12 AND Lymph_Nodes_Examined > 5.50 AND Lymph_Nodes_Examined <= 16.50 AND Age <= 78.50 AND Survival_Months <= 111.50 AND Age <= 77.50 AND Survival_Months > 52.50 AND Survival_Months <= 57.50 THEN class = Prostate

Rule 1258: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm > 9.12 AND Lymph_Nodes_Examined > 5.50 AND Lymph_Nodes_Examined <= 16.50 AND Age <= 78.50 AND Survival_Months <= 111.50 AND Age <= 77.50 AND Survival_Months > 52.50 AND Survival_Months > 57.50 AND Survival_Months <= 70.00 AND Lymph_Nodes_Examined <= 12.50 THEN class = Skin

Rule 1259: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm > 9.12 AND Lymph_Nodes_Examined > 5.50 AND

Lymph_Nodes_Examined <= 16.50 AND Age <= 78.50 AND Survival_Months <= 111.50 AND Age <= 77.50 AND Survival_Months > 52.50 AND Survival_Months > 57.50 AND Survival_Months <= 70.00 AND Lymph_Nodes_Examined > 12.50 THEN class = Leukemia

Rule 1260: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm > 9.12 AND Lymph_Nodes_Examined > 5.50 AND Lymph_Nodes_Examined <= 16.50 AND Age <= 78.50 AND Survival_Months <= 111.50 AND Age <= 77.50 AND Survival_Months > 52.50 AND Survival_Months > 57.50 AND Survival_Months > 70.00 AND Tumor_Size_cm <= 9.32 AND Survival_Months <= 106.50 AND BMI <= 33.60 THEN class = Breast

Rule 1261: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm > 9.12 AND Lymph_Nodes_Examined > 5.50 AND Lymph_Nodes_Examined <= 16.50 AND Age <= 78.50 AND Survival_Months <= 111.50 AND Age <= 77.50 AND Survival_Months > 52.50 AND Survival_Months > 57.50 AND Survival_Months > 70.00 AND Tumor_Size_cm <= 9.32 AND Survival_Months <= 106.50 AND BMI > 33.60 THEN class = Prostate

Rule 1262: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm > 9.12 AND Lymph_Nodes_Examined > 5.50 AND Lymph_Nodes_Examined <= 16.50 AND Age <= 78.50 AND Survival_Months <= 111.50 AND Age <= 77.50 AND Survival_Months > 52.50 AND Survival_Months > 57.50 AND Survival_Months > 70.00 AND Tumor_Size_cm <= 9.32 AND Survival_Months > 106.50 THEN class = Lung

Rule 1263: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm > 9.12 AND Lymph_Nodes_Examined > 5.50 AND Lymph_Nodes_Examined <= 16.50 AND Age <= 78.50 AND Survival_Months <= 111.50 AND Age <= 77.50 AND Survival_Months > 52.50 AND Survival_Months > 57.50 AND Survival_Months > 70.00 AND Tumor_Size_cm > 9.32 AND Lymph_Nodes_Positive <= 9.00 AND Lymph_Nodes_Examined <= 13.00 AND Tumor_Size_cm <= 9.37 THEN class = Skin

Rule 1264: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm > 9.12 AND Lymph_Nodes_Examined > 5.50 AND Lymph_Nodes_Examined <= 16.50 AND Age <= 78.50 AND Survival_Months <= 111.50 AND Age <= 77.50 AND Survival_Months > 52.50 AND Survival_Months > 57.50 AND Survival_Months > 70.00 AND Tumor_Size_cm > 9.32 AND Lymph_Nodes_Positive <= 9.00 AND Lymph_Nodes_Examined <= 13.00 AND Tumor_Size_cm > 9.37 AND Age <= 49.00 THEN class = Leukemia

Rule 1265: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm > 9.12 AND Lymph_Nodes_Examined > 5.50 AND Lymph_Nodes_Examined <= 16.50 AND Age <= 78.50 AND Survival_Months <= 111.50 AND Age <= 77.50 AND Survival_Months > 52.50 AND Survival_Months > 57.50 AND Survival_Months > 70.00 AND Tumor_Size_cm > 9.32 AND Lymph_Nodes_Positive <= 9.00 AND Lymph_Nodes_Examined <= 13.00 AND Tumor_Size_cm > 9.37 AND Age > 49.00 THEN class = Prostate

Rule 1266: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm > 9.12 AND Lymph_Nodes_Examined > 5.50 AND Lymph_Nodes_Examined <= 16.50 AND Age <= 78.50 AND Survival_Months <= 111.50 AND Age <= 77.50 AND Survival_Months > 52.50 AND Survival_Months > 57.50 AND Survival_Months > 70.00 AND Tumor_Size_cm > 9.32 AND Lymph_Nodes_Positive <= 9.00 AND Lymph_Nodes_Examined > 13.00 AND Lymph_Nodes_Positive <= 1.50 THEN class = Leukemia

Rule 1267: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm > 9.12 AND Lymph_Nodes_Examined > 5.50 AND Lymph_Nodes_Examined <= 16.50 AND Age <= 78.50 AND Survival_Months <= 111.50 AND Age <= 77.50 AND Survival_Months > 52.50 AND Survival_Months > 57.50 AND Survival_Months > 70.00 AND Tumor_Size_cm > 9.32 AND Lymph_Nodes_Positive <= 9.00 AND Lymph_Nodes_Examined > 13.00 AND Lymph_Nodes_Positive > 1.50 AND Lymph_Nodes_Positive <= 4.50 THEN class = Lung

Rule 1268: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm > 9.12 AND Lymph_Nodes_Examined > 5.50 AND Lymph_Nodes_Examined <= 16.50 AND Age <= 78.50 AND Survival_Months <= 111.50 AND Age <= 77.50 AND Survival_Months > 52.50 AND Survival_Months > 57.50 AND Survival_Months > 70.00 AND Tumor_Size_cm > 9.32 AND Lymph_Nodes_Positive <= 9.00 AND Lymph_Nodes_Examined > 13.00 AND Lymph_Nodes_Positive > 1.50 AND Lymph_Nodes_Positive > 4.50 THEN class = Skin

Rule 1269: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm > 9.12 AND Lymph_Nodes_Examined > 5.50 AND Lymph_Nodes_Examined <= 16.50 AND Age <= 78.50 AND Survival_Months <= 111.50 AND Age <= 77.50 AND Survival_Months > 52.50 AND Survival_Months > 57.50 AND Survival_Months > 70.00 AND Tumor_Size_cm > 9.32 AND Lymph_Nodes_Positive > 9.00 THEN class = Breast

Rule 1270: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm > 9.12 AND Lymph_Nodes_Examined > 5.50 AND Lymph_Nodes_Examined <= 16.50 AND Age <= 78.50 AND Survival_Months <= 111.50 AND Age > 77.50 THEN class = Colon

Rule 1271: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm > 9.12 AND Lymph_Nodes_Examined > 5.50 AND Lymph_Nodes_Examined <= 16.50 AND Age <= 78.50 AND Survival_Months > 111.50 AND Survival_Months <= 115.00 THEN class = Leukemia

Rule 1272: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm > 9.12 AND Lymph_Nodes_Examined > 5.50 AND Lymph_Nodes_Examined <= 16.50 AND Age <= 78.50 AND Survival_Months > 111.50 AND Survival_Months > 115.00 AND BMI <= 30.70 THEN class = Breast

Rule 1273: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm > 9.12 AND Lymph_Nodes_Examined > 5.50 AND Lymph_Nodes_Examined <= 16.50 AND Age <= 78.50 AND Survival_Months > 111.50 AND Survival_Months > 115.00 AND BMI > 30.70 THEN class = Prostate

Rule 1274: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm > 9.12 AND Lymph_Nodes_Examined > 5.50 AND Lymph_Nodes_Examined <= 16.50 AND Age > 78.50 AND Tumor_Size_cm <= 9.61 AND BMI <= 31.15 AND Lymph_Nodes_Examined <= 9.00 THEN class = Breast

Rule 1275: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm > 9.12 AND Lymph_Nodes_Examined > 5.50 AND Lymph_Nodes_Examined <= 16.50 AND Age > 78.50 AND Tumor_Size_cm <= 9.61 AND BMI <= 31.15 AND Lymph_Nodes_Examined > 9.00 THEN class = Leukemia

Rule 1276: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm > 9.12 AND Lymph_Nodes_Examined > 5.50 AND

Lymph_Nodes_Examined <= 16.50 AND Age > 78.50 AND Tumor_Size_cm <= 9.61 AND BMI > 31.15 THEN class = Skin

Rule 1277: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm > 9.12 AND Lymph_Nodes_Examined > 5.50 AND Lymph_Nodes_Examined <= 16.50 AND Age > 78.50 AND Tumor_Size_cm > 9.61 AND Age <= 85.50 THEN class = Breast

Rule 1278: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm > 9.12 AND Lymph_Nodes_Examined > 5.50 AND Lymph_Nodes_Examined <= 16.50 AND Age > 78.50 AND Tumor_Size_cm > 9.61 AND Age > 85.50 AND BMI <= 29.30 THEN class = Lung

Rule 1279: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm > 9.12 AND Lymph_Nodes_Examined > 5.50 AND Lymph_Nodes_Examined <= 16.50 AND Age > 78.50 AND Tumor_Size_cm > 9.61 AND Age > 85.50 AND BMI > 29.30 THEN class = Breast

Rule 1280: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm > 9.12 AND Lymph_Nodes_Examined > 5.50 AND Lymph_Nodes_Examined > 16.50 AND Survival_Months <= 80.50 THEN class = Colon

Rule 1281: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm > 9.12 AND Lymph_Nodes_Examined > 5.50 AND Lymph_Nodes_Examined > 16.50 AND Survival_Months > 80.50 AND Lymph_Nodes_Examined <= 18.00 THEN class = Lung

Rule 1282: IF Age > 19.50 AND Survival_Months > 51.50 AND BMI > 23.55 AND Tumor_Size_cm > 1.61 AND BMI > 25.75 AND Tumor_Size_cm > 9.12 AND Lymph_Nodes_Examined > 5.50 AND Lymph_Nodes_Examined > 16.50 AND Survival_Months > 80.50 AND Lymph_Nodes_Examined > 18.00 THEN class = Breast

Wine Quality Decision Rules

Rule 1: IF alcohol <= 10.53 AND sulphates <= 0.53 AND alcohol <= 9.65 AND alcohol <= 9.15 AND citric acid <= 0.05 THEN class = 4

Rule 2: IF alcohol <= 10.53 AND sulphates <= 0.53 AND alcohol <= 9.65 AND alcohol <= 9.15 AND citric acid > 0.05 AND pH <= 3.33 THEN class = 6

Rule 3: IF alcohol <= 10.53 AND sulphates <= 0.53 AND alcohol <= 9.65 AND alcohol <= 9.15 AND citric acid > 0.05 AND pH > 3.33 THEN class = 5

Rule 4: IF alcohol <= 10.53 AND sulphates <= 0.53 AND alcohol <= 9.65 AND alcohol > 9.15 AND volatile acidity <= 0.92 AND residual sugar <= 4.75 AND alcohol <= 9.35 AND density <= 1.00 THEN class = 5

Rule 5: IF alcohol <= 10.53 AND sulphates <= 0.53 AND alcohol <= 9.65 AND alcohol > 9.15 AND volatile acidity <= 0.92 AND residual sugar <= 4.75 AND alcohol <= 9.35 AND density > 1.00 AND pH <= 3.18 THEN class = 5

Rule 6: IF alcohol <= 10.53 AND sulphates <= 0.53 AND alcohol <= 9.65 AND alcohol > 9.15 AND volatile acidity <= 0.92 AND residual sugar <= 4.75 AND alcohol <= 9.35 AND density > 1.00 AND pH > 3.18 THEN class = 4

Rule 7: IF alcohol <= 10.53 AND sulphates <= 0.53 AND alcohol <= 9.65 AND alcohol > 9.15 AND volatile acidity <= 0.92 AND residual sugar <= 4.75 AND alcohol > 9.35 THEN class = 5

Rule 8: IF alcohol <= 10.53 AND sulphates <= 0.53 AND alcohol <= 9.65 AND alcohol > 9.15 AND volatile acidity <= 0.92 AND residual sugar > 4.75 AND volatile acidity <= 0.71 THEN class = 5

Rule 9: IF alcohol <= 10.53 AND sulphates <= 0.53 AND alcohol <= 9.65 AND alcohol > 9.15 AND volatile acidity <= 0.92 AND residual sugar > 4.75 AND volatile acidity > 0.71 THEN class = 6

Rule 10: IF alcohol <= 10.53 AND sulphates <= 0.53 AND alcohol <= 9.65 AND alcohol > 9.15 AND volatile acidity > 0.92 AND free sulfur dioxide <= 8.00 THEN class = 4

Rule 11: IF alcohol <= 10.53 AND sulphates <= 0.53 AND alcohol <= 9.65 AND alcohol > 9.15 AND volatile acidity > 0.92 AND free sulfur dioxide > 8.00 THEN class = 5

Rule 12: IF alcohol <= 10.53 AND sulphates <= 0.53 AND alcohol > 9.65 AND volatile acidity <= 0.48 AND citric acid <= 0.24 THEN class = 6

Rule 13: IF alcohol <= 10.53 AND sulphates <= 0.53 AND alcohol > 9.65 AND volatile acidity <= 0.48 AND citric acid > 0.24 AND citric acid <= 0.36 THEN class = 5

Rule 14: IF alcohol <= 10.53 AND sulphates <= 0.53 AND alcohol > 9.65 AND volatile acidity <= 0.48 AND citric acid > 0.24 AND citric acid > 0.36 AND chlorides <= 0.08 THEN class = 6

Rule 15: IF alcohol <= 10.53 AND sulphates <= 0.53 AND alcohol > 9.65 AND volatile acidity <= 0.48 AND citric acid > 0.24 AND citric acid > 0.36 AND chlorides > 0.08 AND citric acid <= 0.44 THEN class = 6

Rule 16: IF alcohol <= 10.53 AND sulphates <= 0.53 AND alcohol > 9.65 AND volatile acidity <= 0.48 AND citric acid > 0.24 AND citric acid > 0.36 AND chlorides > 0.08 AND citric acid > 0.44 THEN class = 5

Rule 17: IF alcohol <= 10.53 AND sulphates <= 0.53 AND alcohol > 9.65 AND volatile acidity > 0.48 AND pH <= 3.53 AND fixed acidity <= 8.45 AND pH <= 3.09 THEN class = 6

Rule 18: IF alcohol <= 10.53 AND sulphates <= 0.53 AND alcohol > 9.65 AND volatile acidity > 0.48 AND pH <= 3.53 AND fixed acidity <= 8.45 AND pH > 3.09 AND free sulfur dioxide <= 3.50 AND sulphates <= 0.49 THEN class = 5

Rule 19: IF alcohol <= 10.53 AND sulphates <= 0.53 AND alcohol > 9.65 AND volatile acidity > 0.48 AND pH <= 3.53 AND fixed acidity <= 8.45 AND pH > 3.09 AND free sulfur dioxide <= 3.50 AND sulphates > 0.49 THEN class = 3

Rule 20: IF alcohol <= 10.53 AND sulphates <= 0.53 AND alcohol > 9.65 AND volatile acidity > 0.48 AND pH <= 3.53 AND fixed acidity <= 8.45 AND pH > 3.09 AND free sulfur dioxide > 3.50 THEN class = 5

Rule 21: IF alcohol <= 10.53 AND sulphates <= 0.53 AND alcohol > 9.65 AND volatile acidity > 0.48 AND pH <= 3.53 AND fixed acidity > 8.45 AND density <= 1.00 AND citric acid <= 0.15 AND volatile acidity <= 0.69 THEN class = 5

Rule 22: IF alcohol <= 10.53 AND sulphates <= 0.53 AND alcohol > 9.65 AND volatile acidity > 0.48 AND pH <= 3.53 AND fixed acidity > 8.45 AND density <= 1.00 AND citric acid <= 0.15 AND volatile acidity > 0.69 THEN class = 6

Rule 23: IF alcohol <= 10.53 AND sulphates <= 0.53 AND alcohol > 9.65 AND volatile acidity > 0.48 AND pH <= 3.53 AND fixed acidity > 8.45 AND density <= 1.00 AND citric acid > 0.15 THEN class = 6

Rule 24: IF alcohol <= 10.53 AND sulphates <= 0.53 AND alcohol > 9.65 AND volatile acidity > 0.48 AND pH <= 3.53 AND fixed acidity > 8.45 AND density > 1.00 AND total sulfur dioxide <= 15.50 THEN class = 4

Rule 25: IF alcohol <= 10.53 AND sulphates <= 0.53 AND alcohol > 9.65 AND volatile acidity > 0.48 AND pH <= 3.53 AND fixed acidity > 8.45 AND density > 1.00 AND total sulfur dioxide > 15.50 THEN class = 5

Rule 26: IF alcohol <= 10.53 AND sulphates <= 0.53 AND alcohol > 9.65 AND volatile acidity > 0.48 AND pH > 3.53 AND pH <= 3.56 THEN class = 6

Rule 27: IF alcohol <= 10.53 AND sulphates <= 0.53 AND alcohol > 9.65 AND volatile acidity > 0.48 AND pH > 3.53 AND pH > 3.56 AND pH <= 3.66 THEN class = 5

Rule 28: IF alcohol <= 10.53 AND sulphates <= 0.53 AND alcohol > 9.65 AND volatile acidity > 0.48 AND pH > 3.53 AND pH > 3.56 AND pH > 3.66 THEN class = 4

Rule 29: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity <= 0.57 AND alcohol <= 9.75 AND citric acid <= 0.32 AND pH <= 3.21 THEN class = 5

Rule 30: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity <= 0.57 AND alcohol <= 9.75 AND citric acid <= 0.32 AND pH > 3.21 AND density <= 1.00 AND chlorides <= 0.08 AND alcohol <= 9.55 THEN class = 6

Rule 31: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity <= 0.57 AND alcohol <= 9.75 AND citric acid <= 0.32 AND pH > 3.21 AND density <= 1.00 AND chlorides <= 0.08 AND alcohol > 9.55 AND total sulfur dioxide <= 34.50 THEN class = 5

Rule 32: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity <= 0.57 AND alcohol <= 9.75 AND citric acid <= 0.32 AND pH > 3.21 AND density <= 1.00 AND chlorides <= 0.08 AND alcohol > 9.55 AND total sulfur dioxide > 34.50 THEN class = 6

Rule 33: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity <= 0.57 AND alcohol <= 9.75 AND citric acid <= 0.32 AND pH > 3.21 AND density <= 1.00 AND chlorides > 0.08 AND total sulfur dioxide <= 53.00 THEN class = 5

Rule 34: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity <= 0.57 AND alcohol <= 9.75 AND citric acid <= 0.32 AND pH > 3.21 AND density <= 1.00 AND chlorides > 0.08 AND total sulfur dioxide > 53.00 THEN class = 6

Rule 35: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity <= 0.57 AND alcohol <= 9.75 AND citric acid <= 0.32 AND pH > 3.21 AND density > 1.00 AND total sulfur dioxide <= 15.00 THEN class = 5

Rule 36: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity <= 0.57 AND alcohol <= 9.75 AND citric acid <= 0.32 AND pH > 3.21 AND density > 1.00 AND total sulfur dioxide > 15.00 AND total sulfur dioxide <= 65.50 AND pH <= 3.24 AND alcohol <= 9.50 THEN class = 6

Rule 37: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity <= 0.57 AND alcohol <= 9.75 AND citric acid <= 0.32 AND pH > 3.21 AND density > 1.00 AND total sulfur dioxide > 15.00 AND total sulfur dioxide <= 65.50 AND pH <= 3.24 AND alcohol > 9.50 THEN class = 7

Rule 38: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity <= 0.57 AND alcohol <= 9.75 AND citric acid <= 0.32 AND pH > 3.21 AND density > 1.00 AND total sulfur dioxide > 15.00 AND total sulfur dioxide <= 65.50 AND pH > 3.24 AND density <= 1.00 THEN class = 6

Rule 39: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity <= 0.57 AND alcohol <= 9.75 AND citric acid <= 0.32 AND pH > 3.21 AND density > 1.00 AND total sulfur dioxide > 15.00 AND total sulfur dioxide <= 65.50 AND pH > 3.24 AND density > 1.00 AND total sulfur dioxide <= 33.00 THEN class = 6

Rule 40: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity <= 0.57 AND alcohol <= 9.75 AND citric acid <= 0.32 AND pH > 3.21 AND density > 1.00 AND total sulfur dioxide > 15.00 AND total sulfur dioxide <= 65.50 AND pH > 3.24 AND density > 1.00 AND total sulfur dioxide > 33.00 THEN class = 5

Rule 41: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity <= 0.57 AND alcohol <= 9.75 AND citric acid <= 0.32 AND pH > 3.21 AND density > 1.00 AND total sulfur dioxide > 15.00 AND total sulfur dioxide > 65.50 AND density <= 1.00 THEN class = 6

Rule 42: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity <= 0.57 AND alcohol <= 9.75 AND citric acid <= 0.32 AND pH > 3.21 AND density > 1.00 AND total sulfur dioxide > 15.00 AND total sulfur dioxide > 65.50 AND density > 1.00 AND pH <= 3.35 THEN class = 6

Rule 43: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity <= 0.57 AND alcohol <= 9.75 AND citric acid <= 0.32 AND pH > 3.21 AND density > 1.00 AND

total sulfur dioxide > 15.00 AND total sulfur dioxide > 65.50 AND density > 1.00 AND pH > 3.35 THEN class = 5

Rule 44: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity <= 0.57 AND alcohol <= 9.75 AND citric acid > 0.32 AND fixed acidity <= 10.05 AND density <= 1.00 AND alcohol <= 9.30 THEN class = 6

Rule 45: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity <= 0.57 AND alcohol <= 9.75 AND citric acid > 0.32 AND fixed acidity <= 10.05 AND density <= 1.00 AND alcohol > 9.30 THEN class = 5

Rule 46: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity <= 0.57 AND alcohol <= 9.75 AND citric acid > 0.32 AND fixed acidity <= 10.05 AND density > 1.00 AND citric acid <= 0.84 AND alcohol <= 9.45 THEN class = 5

Rule 47: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity <= 0.57 AND alcohol <= 9.75 AND citric acid > 0.32 AND fixed acidity <= 10.05 AND density > 1.00 AND citric acid <= 0.84 AND alcohol > 9.45 AND fixed acidity <= 8.65 AND residual sugar <= 2.65 AND sulphates <= 0.69 THEN class = 6

Rule 48: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity <= 0.57 AND alcohol <= 9.75 AND citric acid > 0.32 AND fixed acidity <= 10.05 AND density > 1.00 AND citric acid <= 0.84 AND alcohol > 9.45 AND fixed acidity <= 8.65 AND residual sugar <= 2.65 AND sulphates > 0.69 THEN class = 4

Rule 49: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity <= 0.57 AND alcohol <= 9.75 AND citric acid > 0.32 AND fixed acidity <= 10.05 AND density > 1.00 AND citric acid <= 0.84 AND alcohol > 9.45 AND fixed acidity <= 8.65 AND residual sugar > 2.65 THEN class = 5

Rule 50: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity <= 0.57 AND alcohol <= 9.75 AND citric acid > 0.32 AND fixed acidity <= 10.05 AND density > 1.00 AND citric acid <= 0.84 AND alcohol > 9.45 AND fixed acidity > 8.65 THEN class = 5

Rule 51: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity <= 0.57 AND alcohol <= 9.75 AND citric acid > 0.32 AND fixed acidity <= 10.05 AND density > 1.00 AND citric acid > 0.84 THEN class = 4

Rule 52: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity <= 0.57 AND alcohol <= 9.75 AND citric acid > 0.32 AND fixed acidity > 10.05 AND residual sugar <= 2.45 AND fixed acidity <= 14.65 AND citric acid <= 0.41 AND residual sugar <= 2.25 THEN class = 6

Rule 53: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity <= 0.57 AND alcohol <= 9.75 AND citric acid > 0.32 AND fixed acidity > 10.05 AND residual sugar <= 2.45 AND fixed acidity <= 14.65 AND citric acid <= 0.41 AND residual sugar > 2.25 THEN class = 5

Rule 54: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity <= 0.57 AND alcohol <= 9.75 AND citric acid > 0.32 AND fixed acidity > 10.05 AND residual sugar <= 2.45 AND fixed acidity <= 14.65 AND citric acid > 0.41 THEN class = 6

Rule 55: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity <= 0.57 AND alcohol <= 9.75 AND citric acid > 0.32 AND fixed acidity > 10.05 AND residual sugar <= 2.45 AND fixed acidity > 14.65 THEN class = 7

Rule 56: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity <= 0.57 AND alcohol <= 9.75 AND citric acid > 0.32 AND fixed acidity > 10.05 AND residual sugar > 2.45 AND sulphates <= 0.66 AND residual sugar <= 3.95 THEN class = 5

Rule 57: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity <= 0.57 AND alcohol <= 9.75 AND citric acid > 0.32 AND fixed acidity > 10.05 AND residual sugar > 2.45 AND sulphates <= 0.66 AND residual sugar > 3.95 THEN class = 4

Rule 58: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity <= 0.57 AND alcohol <= 9.75 AND citric acid > 0.32 AND fixed acidity > 10.05 AND residual sugar > 2.45 AND sulphates > 0.66 THEN class = 6

Rule 59: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity <= 0.57 AND alcohol > 9.75 AND sulphates <= 0.68 AND volatile acidity <= 0.47 AND total sulfur dioxide <= 19.50 THEN class = 6

Rule 60: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity <= 0.57 AND alcohol > 9.75 AND sulphates <= 0.68 AND volatile acidity <= 0.47 AND total sulfur dioxide > 19.50 AND total sulfur dioxide <= 42.50 THEN class = 5

Rule 61: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity <= 0.57 AND alcohol > 9.75 AND sulphates <= 0.68 AND volatile acidity <= 0.47 AND total sulfur dioxide > 19.50 AND total sulfur dioxide > 42.50 AND alcohol <= 10.45 AND volatile acidity <= 0.30 THEN class = 6

Rule 62: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity <= 0.57 AND alcohol > 9.75 AND sulphates <= 0.68 AND volatile acidity <= 0.47 AND total sulfur dioxide > 19.50 AND total sulfur dioxide > 42.50 AND alcohol <= 10.45 AND volatile acidity > 0.30 AND density <= 1.00 AND density <= 1.00 AND volatile acidity <= 0.38 THEN class = 4

Rule 63: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity <= 0.57 AND alcohol > 9.75 AND sulphates <= 0.68 AND volatile acidity <= 0.47 AND total sulfur dioxide > 19.50 AND total sulfur dioxide > 42.50 AND alcohol <= 10.45 AND volatile acidity > 0.30 AND density <= 1.00 AND density <= 1.00 AND volatile acidity > 0.38 AND sulphates <= 0.63 THEN class = 5

Rule 64: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity <= 0.57 AND alcohol > 9.75 AND sulphates <= 0.68 AND volatile acidity <= 0.47 AND total sulfur dioxide > 19.50 AND total sulfur dioxide > 42.50 AND alcohol <= 10.45 AND volatile acidity > 0.30 AND density <= 1.00 AND density <= 1.00 AND volatile acidity > 0.38 AND sulphates > 0.63 THEN class = 6

Rule 65: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity <= 0.57 AND alcohol > 9.75 AND sulphates <= 0.68 AND volatile acidity <= 0.47 AND total sulfur dioxide > 19.50 AND total sulfur dioxide > 42.50 AND alcohol <= 10.45 AND volatile acidity > 0.30 AND density <= 1.00 AND density > 1.00 THEN class = 5

Rule 66: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity <= 0.57 AND alcohol > 9.75 AND sulphates <= 0.68 AND volatile acidity <= 0.47 AND total

sulfur dioxide > 19.50 AND total sulfur dioxide > 42.50 AND alcohol <= 10.45 AND volatile acidity > 0.30 AND density > 1.00 AND total sulfur dioxide <= 48.50 THEN class = 6

Rule 67: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity <= 0.57 AND alcohol > 9.75 AND sulphates <= 0.68 AND volatile acidity <= 0.47 AND total sulfur dioxide > 19.50 AND total sulfur dioxide > 42.50 AND alcohol <= 10.45 AND volatile acidity > 0.30 AND density > 1.00 AND total sulfur dioxide > 48.50 THEN class = 7

Rule 68: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity <= 0.57 AND alcohol > 9.75 AND sulphates <= 0.68 AND volatile acidity <= 0.47 AND total sulfur dioxide > 19.50 AND total sulfur dioxide > 42.50 AND alcohol > 10.45 THEN class = 6

Rule 69: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity <= 0.57 AND alcohol > 9.75 AND sulphates <= 0.68 AND volatile acidity > 0.47 AND chlorides <= 0.08 AND pH <= 3.33 AND density <= 1.00 THEN class = 6

Rule 70: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity <= 0.57 AND alcohol > 9.75 AND sulphates <= 0.68 AND volatile acidity > 0.47 AND chlorides <= 0.08 AND pH <= 3.33 AND density > 1.00 THEN class = 7

Rule 71: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity <= 0.57 AND alcohol > 9.75 AND sulphates <= 0.68 AND volatile acidity > 0.47 AND chlorides <= 0.08 AND pH > 3.33 AND residual sugar <= 2.25 THEN class = 5

Rule 72: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity <= 0.57 AND alcohol > 9.75 AND sulphates <= 0.68 AND volatile acidity > 0.47 AND chlorides <= 0.08 AND pH > 3.33 AND residual sugar > 2.25 THEN class = 6

Rule 73: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity <= 0.57 AND alcohol > 9.75 AND sulphates <= 0.68 AND volatile acidity > 0.47 AND chlorides > 0.08 THEN class = 6

Rule 74: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity <= 0.57 AND alcohol > 9.75 AND sulphates > 0.68 AND residual sugar <= 1.55 THEN class = 7

Rule 75: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity <= 0.57 AND alcohol > 9.75 AND sulphates > 0.68 AND residual sugar > 1.55 AND citric acid <= 0.59 AND total sulfur dioxide <= 80.00 AND density <= 1.00 AND residual sugar <= 4.80 AND fixed acidity <= 6.20 THEN class = 7

Rule 76: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity <= 0.57 AND alcohol > 9.75 AND sulphates > 0.68 AND residual sugar > 1.55 AND citric acid <= 0.59 AND total sulfur dioxide <= 80.00 AND density <= 1.00 AND residual sugar <= 4.80 AND fixed acidity > 6.20 THEN class = 6

Rule 77: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity <= 0.57 AND alcohol > 9.75 AND sulphates > 0.68 AND residual sugar > 1.55 AND citric acid <= 0.59 AND total sulfur dioxide <= 80.00 AND density <= 1.00 AND residual sugar > 4.80 THEN class = 7

Rule 78: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity <= 0.57 AND alcohol > 9.75 AND sulphates > 0.68 AND residual sugar > 1.55 AND citric acid <= 0.59 AND total sulfur dioxide <= 80.00 AND density > 1.00 AND total sulfur dioxide <= 41.00 THEN class = 7

Rule 79: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity <= 0.57 AND alcohol > 9.75 AND sulphates > 0.68 AND residual sugar > 1.55 AND citric acid <= 0.59 AND total sulfur dioxide <= 80.00 AND density > 1.00 AND total sulfur dioxide > 41.00 THEN class = 6

Rule 80: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity <= 0.57 AND alcohol > 9.75 AND sulphates > 0.68 AND residual sugar > 1.55 AND citric acid <= 0.59 AND total sulfur dioxide > 80.00 THEN class = 5

Rule 81: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity <= 0.57 AND alcohol > 9.75 AND sulphates > 0.68 AND residual sugar > 1.55 AND citric acid > 0.59 AND citric acid <= 0.65 THEN class = 5

Rule 82: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity <= 0.57 AND alcohol > 9.75 AND sulphates > 0.68 AND residual sugar > 1.55 AND citric acid > 0.59 AND citric acid > 0.65 AND chlorides <= 0.10 AND residual sugar <= 2.40 THEN class = 8

Rule 83: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity <= 0.57 AND alcohol > 9.75 AND sulphates > 0.68 AND residual sugar > 1.55 AND citric acid > 0.59 AND citric acid > 0.65 AND chlorides <= 0.10 AND residual sugar > 2.40 THEN class = 6

Rule 84: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity <= 0.57 AND alcohol > 9.75 AND sulphates > 0.68 AND residual sugar > 1.55 AND citric acid > 0.59 AND citric acid > 0.65 AND chlorides > 0.10 THEN class = 7

Rule 85: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity > 0.57 AND total sulfur dioxide <= 18.50 AND residual sugar <= 1.85 AND free sulfur dioxide <= 10.00 AND alcohol <= 9.62 AND volatile acidity <= 0.68 THEN class = 5

Rule 86: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity > 0.57 AND total sulfur dioxide <= 18.50 AND residual sugar <= 1.85 AND free sulfur dioxide <= 10.00 AND alcohol <= 9.62 AND volatile acidity > 0.68 THEN class = 6

Rule 87: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity > 0.57 AND total sulfur dioxide <= 18.50 AND residual sugar <= 1.85 AND free sulfur dioxide <= 10.00 AND alcohol > 9.62 AND residual sugar <= 1.70 THEN class = 4

Rule 88: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity > 0.57 AND total sulfur dioxide <= 18.50 AND residual sugar <= 1.85 AND free sulfur dioxide <= 10.00 AND alcohol > 9.62 AND residual sugar > 1.70 AND chlorides <= 0.10 THEN class = 3

Rule 89: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity > 0.57 AND total sulfur dioxide <= 18.50 AND residual sugar <= 1.85 AND free sulfur dioxide <= 10.00 AND alcohol > 9.62 AND residual sugar > 1.70 AND chlorides > 0.10 THEN class = 5

Rule 90: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity > 0.57 AND total sulfur dioxide <= 18.50 AND residual sugar <= 1.85 AND free sulfur dioxide > 10.00 THEN class = 7

Rule 91: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity > 0.57 AND total sulfur dioxide <= 18.50 AND residual sugar > 1.85 AND fixed acidity <= 6.50 THEN class = 4

Rule 92: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity > 0.57 AND total sulfur dioxide <= 18.50 AND residual sugar > 1.85 AND fixed acidity > 6.50 AND pH <= 3.17 THEN class = 3

Rule 93: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity > 0.57 AND total sulfur dioxide <= 18.50 AND residual sugar > 1.85 AND fixed acidity > 6.50 AND pH > 3.17 AND chlorides <= 0.08 AND density <= 1.00 THEN class = 5

Rule 94: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity > 0.57 AND total sulfur dioxide <= 18.50 AND residual sugar > 1.85 AND fixed acidity > 6.50 AND pH > 3.17 AND chlorides <= 0.08 AND density > 1.00 THEN class = 6

Rule 95: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity > 0.57 AND total sulfur dioxide <= 18.50 AND residual sugar > 1.85 AND fixed acidity > 6.50 AND pH > 3.17 AND chlorides > 0.08 THEN class = 6

Rule 96: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity > 0.57 AND total sulfur dioxide > 18.50 AND density <= 1.00 AND total sulfur dioxide <= 87.50 AND total sulfur dioxide <= 24.50 AND free sulfur dioxide <= 6.50 AND fixed acidity <= 8.25 THEN class = 6

Rule 97: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity > 0.57 AND total sulfur dioxide > 18.50 AND density <= 1.00 AND total sulfur dioxide <= 87.50 AND total sulfur dioxide <= 24.50 AND free sulfur dioxide <= 6.50 AND fixed acidity > 8.25 THEN class = 5

Rule 98: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity > 0.57 AND total sulfur dioxide > 18.50 AND density <= 1.00 AND total sulfur dioxide <= 87.50 AND total sulfur dioxide <= 24.50 AND free sulfur dioxide > 6.50 THEN class = 5

Rule 99: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity > 0.57 AND total sulfur dioxide > 18.50 AND density <= 1.00 AND total sulfur dioxide <= 87.50 AND total sulfur dioxide > 24.50 AND alcohol <= 9.85 AND alcohol <= 9.55 AND alcohol <= 9.45 AND volatile acidity <= 0.81 AND alcohol <= 9.15 AND chlorides <= 0.09 THEN class = 5

Rule 100: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity > 0.57 AND total sulfur dioxide > 18.50 AND density <= 1.00 AND total sulfur dioxide <= 87.50 AND total sulfur dioxide > 24.50 AND alcohol <= 9.85 AND alcohol <= 9.55 AND alcohol <= 9.45 AND volatile acidity <= 0.81 AND alcohol <= 9.15 AND chlorides > 0.09 THEN class = 6

Rule 101: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity > 0.57 AND total sulfur dioxide > 18.50 AND density <= 1.00 AND total sulfur dioxide <= 87.50 AND total sulfur dioxide > 24.50 AND alcohol <= 9.85 AND alcohol <= 9.55 AND alcohol <= 9.45 AND volatile acidity <= 0.81 AND alcohol > 9.15 AND total sulfur dioxide <= 85.00 THEN class = 5

Rule 102: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity > 0.57 AND total sulfur dioxide > 18.50 AND density <= 1.00 AND total sulfur dioxide <= 87.50 AND total sulfur dioxide > 24.50 AND alcohol <= 9.85 AND alcohol <= 9.55 AND alcohol <= 9.45 AND volatile acidity <= 0.81 AND alcohol > 9.15 AND total sulfur dioxide > 85.00 THEN class = 6

Rule 103: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity > 0.57 AND total sulfur dioxide > 18.50 AND density <= 1.00 AND total sulfur dioxide <= 87.50

AND total sulfur dioxide > 24.50 AND alcohol <= 9.85 AND alcohol <= 9.55 AND alcohol <= 9.45 AND volatile acidity > 0.81 THEN class = 6

Rule 104: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity > 0.57 AND total sulfur dioxide > 18.50 AND density <= 1.00 AND total sulfur dioxide <= 87.50 AND total sulfur dioxide > 24.50 AND alcohol <= 9.85 AND alcohol <= 9.55 AND alcohol > 9.45 AND total sulfur dioxide <= 83.00 AND total sulfur dioxide <= 43.00 AND citric acid <= 0.09 THEN class = 6

Rule 105: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity > 0.57 AND total sulfur dioxide > 18.50 AND density <= 1.00 AND total sulfur dioxide <= 87.50 AND total sulfur dioxide > 24.50 AND alcohol <= 9.85 AND alcohol <= 9.55 AND alcohol > 9.45 AND total sulfur dioxide <= 83.00 AND total sulfur dioxide <= 43.00 AND citric acid > 0.09 THEN class = 5

Rule 106: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity > 0.57 AND total sulfur dioxide > 18.50 AND density <= 1.00 AND total sulfur dioxide <= 87.50 AND total sulfur dioxide > 24.50 AND alcohol <= 9.85 AND alcohol <= 9.55 AND alcohol > 9.45 AND total sulfur dioxide <= 83.00 AND total sulfur dioxide > 43.00 THEN class = 6

Rule 107: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity > 0.57 AND total sulfur dioxide > 18.50 AND density <= 1.00 AND total sulfur dioxide <= 87.50 AND total sulfur dioxide > 24.50 AND alcohol <= 9.85 AND alcohol <= 9.55 AND alcohol > 9.45 AND total sulfur dioxide > 83.00 THEN class = 5

Rule 108: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity > 0.57 AND total sulfur dioxide > 18.50 AND density <= 1.00 AND total sulfur dioxide <= 87.50 AND total sulfur dioxide > 24.50 AND alcohol <= 9.85 AND alcohol > 9.55 AND total sulfur dioxide <= 86.50 AND pH <= 3.25 AND total sulfur dioxide <= 44.50 THEN class = 6

Rule 109: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity > 0.57 AND total sulfur dioxide > 18.50 AND density <= 1.00 AND total sulfur dioxide <= 87.50 AND total sulfur dioxide > 24.50 AND alcohol <= 9.85 AND alcohol > 9.55 AND total sulfur dioxide <= 86.50 AND pH <= 3.25 AND total sulfur dioxide > 44.50 THEN class = 5

Rule 110: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity > 0.57 AND total sulfur dioxide > 18.50 AND density <= 1.00 AND total sulfur dioxide <= 87.50 AND total sulfur dioxide > 24.50 AND alcohol <= 9.85 AND alcohol > 9.55 AND total sulfur dioxide <= 86.50 AND pH > 3.25 THEN class = 5

Rule 111: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity > 0.57 AND total sulfur dioxide > 18.50 AND density <= 1.00 AND total sulfur dioxide <= 87.50 AND total sulfur dioxide > 24.50 AND alcohol <= 9.85 AND alcohol > 9.55 AND total sulfur dioxide > 86.50 AND chlorides <= 0.09 THEN class = 6

Rule 112: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity > 0.57 AND total sulfur dioxide > 18.50 AND density <= 1.00 AND total sulfur dioxide <= 87.50 AND total sulfur dioxide > 24.50 AND alcohol <= 9.85 AND alcohol > 9.55 AND total sulfur dioxide > 86.50 AND chlorides > 0.09 THEN class = 5

Rule 113: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity > 0.57 AND total sulfur dioxide > 18.50 AND density <= 1.00 AND total sulfur dioxide <= 87.50 AND total sulfur dioxide > 24.50 AND alcohol > 9.85 AND fixed acidity <= 6.75 AND citric acid <= 0.32 THEN class = 5

Rule 114: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity > 0.57 AND total sulfur dioxide > 18.50 AND density <= 1.00 AND total sulfur dioxide <= 87.50 AND total sulfur dioxide > 24.50 AND alcohol > 9.85 AND fixed acidity <= 6.75 AND citric acid > 0.32 THEN class = 6

Rule 115: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity > 0.57 AND total sulfur dioxide > 18.50 AND density <= 1.00 AND total sulfur dioxide <= 87.50 AND total sulfur dioxide > 24.50 AND alcohol > 9.85 AND fixed acidity > 6.75 AND pH <= 3.15 THEN class = 5

Rule 116: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity > 0.57 AND total sulfur dioxide > 18.50 AND density <= 1.00 AND total sulfur dioxide <= 87.50 AND total sulfur dioxide > 24.50 AND alcohol > 9.85 AND fixed acidity > 6.75 AND pH > 3.15 AND pH <= 3.33 AND residual sugar <= 1.95 THEN class = 5

Rule 117: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity > 0.57 AND total sulfur dioxide > 18.50 AND density <= 1.00 AND total sulfur dioxide <= 87.50 AND total sulfur dioxide > 24.50 AND alcohol > 9.85 AND fixed acidity > 6.75 AND pH > 3.15 AND pH <= 3.33 AND residual sugar > 1.95 THEN class = 6

Rule 118: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity > 0.57 AND total sulfur dioxide > 18.50 AND density <= 1.00 AND total sulfur dioxide <= 87.50 AND total sulfur dioxide > 24.50 AND alcohol > 9.85 AND fixed acidity > 6.75 AND pH > 3.15 AND pH > 3.33 AND density <= 1.00 AND volatile acidity <= 0.59 THEN class = 5

Rule 119: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity > 0.57 AND total sulfur dioxide > 18.50 AND density <= 1.00 AND total sulfur dioxide <= 87.50 AND total sulfur dioxide > 24.50 AND alcohol > 9.85 AND fixed acidity > 6.75 AND pH > 3.15 AND pH > 3.33 AND density <= 1.00 AND volatile acidity > 0.59 THEN class = 6

Rule 120: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity > 0.57 AND total sulfur dioxide > 18.50 AND density <= 1.00 AND total sulfur dioxide <= 87.50 AND total sulfur dioxide > 24.50 AND alcohol > 9.85 AND fixed acidity > 6.75 AND pH > 3.15 AND pH > 3.33 AND density > 1.00 AND volatile acidity <= 0.69 AND density <= 1.00 THEN class = 5

Rule 121: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity > 0.57 AND total sulfur dioxide > 18.50 AND density <= 1.00 AND total sulfur dioxide <= 87.50 AND total sulfur dioxide > 24.50 AND alcohol > 9.85 AND fixed acidity > 6.75 AND pH > 3.15 AND pH > 3.33 AND density > 1.00 AND volatile acidity <= 0.69 AND density > 1.00 THEN class = 6

Rule 122: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity > 0.57 AND total sulfur dioxide > 18.50 AND density <= 1.00 AND total sulfur dioxide <= 87.50 AND total sulfur dioxide > 24.50 AND alcohol > 9.85 AND fixed acidity > 6.75 AND pH > 3.15 AND pH > 3.33 AND density > 1.00 AND volatile acidity > 0.69 THEN class = 5

Rule 123: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity > 0.57 AND total sulfur dioxide > 18.50 AND density <= 1.00 AND total sulfur dioxide > 87.50 AND chlorides <= 0.09 THEN class = 6

Rule 124: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity > 0.57 AND total sulfur dioxide > 18.50 AND density <= 1.00 AND total sulfur dioxide > 87.50 AND chlorides > 0.09 THEN class = 5

Rule 125: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity > 0.57 AND total sulfur dioxide > 18.50 AND density > 1.00 AND total sulfur dioxide <= 44.50 THEN class = 7

Rule 126: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity > 0.57 AND total sulfur dioxide > 18.50 AND density > 1.00 AND total sulfur dioxide > 44.50 AND total sulfur dioxide <= 54.00 THEN class = 3

Rule 127: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity > 0.57 AND total sulfur dioxide > 18.50 AND density > 1.00 AND total sulfur dioxide > 44.50 AND total sulfur dioxide > 54.00 AND alcohol <= 10.10 THEN class = 4

Rule 128: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide <= 95.00 AND volatile acidity > 0.57 AND total sulfur dioxide > 18.50 AND density > 1.00 AND total sulfur dioxide > 44.50 AND total sulfur dioxide > 54.00 AND alcohol > 10.10 THEN class = 6

Rule 129: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide > 95.00 AND pH <= 2.94 THEN class = 6

Rule 130: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide > 95.00 AND pH > 2.94 AND residual sugar <= 1.60 THEN class = 4

Rule 131: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide > 95.00 AND pH > 2.94 AND residual sugar > 1.60 AND total sulfur dioxide <= 105.50 AND total sulfur dioxide <= 104.50 AND sulphates <= 0.62 THEN class = 5

Rule 132: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide > 95.00 AND pH > 2.94 AND residual sugar > 1.60 AND total sulfur dioxide <= 105.50 AND total sulfur dioxide <= 104.50 AND sulphates > 0.62 AND citric acid <= 0.33 THEN class = 6

Rule 133: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide > 95.00 AND pH > 2.94 AND residual sugar > 1.60 AND total sulfur dioxide <= 105.50 AND total sulfur dioxide <= 104.50 AND sulphates > 0.62 AND citric acid > 0.33 THEN class = 5

Rule 134: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide > 95.00 AND pH > 2.94 AND residual sugar > 1.60 AND total sulfur dioxide <= 105.50 AND total sulfur dioxide > 104.50 THEN class = 6

Rule 135: IF alcohol <= 10.53 AND sulphates > 0.53 AND total sulfur dioxide > 95.00 AND pH > 2.94 AND residual sugar > 1.60 AND total sulfur dioxide > 105.50 THEN class = 5

Rule 136: IF alcohol > 10.53 AND volatile acidity <= 0.38 AND total sulfur dioxide <= 43.50 AND citric acid <= 0.30 THEN class = 6

Rule 137: IF alcohol > 10.53 AND volatile acidity <= 0.38 AND total sulfur dioxide <= 43.50 AND citric acid > 0.30 AND density <= 1.00 AND volatile acidity <= 0.20 AND sulphates <= 0.69 THEN class = 6

Rule 138: IF alcohol > 10.53 AND volatile acidity <= 0.38 AND total sulfur dioxide <= 43.50 AND citric acid > 0.30 AND density <= 1.00 AND volatile acidity <= 0.20 AND sulphates > 0.69 THEN class = 5

Rule 139: IF alcohol > 10.53 AND volatile acidity <= 0.38 AND total sulfur dioxide <= 43.50 AND citric acid > 0.30 AND density <= 1.00 AND volatile acidity > 0.20 AND citric acid <= 0.31 THEN class = 8

Rule 140: IF alcohol > 10.53 AND volatile acidity <= 0.38 AND total sulfur dioxide <= 43.50 AND citric acid > 0.30 AND density <= 1.00 AND volatile acidity > 0.20 AND citric acid > 0.31 AND free sulfur dioxide <= 3.50 AND residual sugar <= 1.95 THEN class = 7

Rule 141: IF alcohol > 10.53 AND volatile acidity <= 0.38 AND total sulfur dioxide <= 43.50 AND citric acid > 0.30 AND density <= 1.00 AND volatile acidity > 0.20 AND citric acid > 0.31 AND free sulfur dioxide <= 3.50 AND residual sugar > 1.95 THEN class = 6

Rule 142: IF alcohol > 10.53 AND volatile acidity <= 0.38 AND total sulfur dioxide <= 43.50 AND citric acid > 0.30 AND density <= 1.00 AND volatile acidity > 0.20 AND citric acid > 0.31 AND free sulfur dioxide > 3.50 AND pH <= 3.12 THEN class = 6

Rule 143: IF alcohol > 10.53 AND volatile acidity <= 0.38 AND total sulfur dioxide <= 43.50 AND citric acid > 0.30 AND density <= 1.00 AND volatile acidity > 0.20 AND citric acid > 0.31 AND free sulfur dioxide > 3.50 AND pH > 3.12 AND sulphates <= 0.61 AND pH <= 3.31 AND pH <= 3.19 AND chlorides <= 0.06 THEN class = 7

Rule 144: IF alcohol > 10.53 AND volatile acidity <= 0.38 AND total sulfur dioxide <= 43.50 AND citric acid > 0.30 AND density <= 1.00 AND volatile acidity > 0.20 AND citric acid > 0.31 AND free sulfur dioxide > 3.50 AND pH > 3.12 AND sulphates <= 0.61 AND pH <= 3.31 AND pH <= 3.19 AND chlorides > 0.06 THEN class = 5

Rule 145: IF alcohol > 10.53 AND volatile acidity <= 0.38 AND total sulfur dioxide <= 43.50 AND citric acid > 0.30 AND density <= 1.00 AND volatile acidity > 0.20 AND citric acid > 0.31 AND free sulfur dioxide > 3.50 AND pH > 3.12 AND sulphates <= 0.61 AND pH <= 3.31 AND pH > 3.19 THEN class = 7

Rule 146: IF alcohol > 10.53 AND volatile acidity <= 0.38 AND total sulfur dioxide <= 43.50 AND citric acid > 0.30 AND density <= 1.00 AND volatile acidity > 0.20 AND citric acid > 0.31 AND free sulfur dioxide > 3.50 AND pH > 3.12 AND sulphates <= 0.61 AND pH > 3.31 AND volatile acidity <= 0.36 THEN class = 6

Rule 147: IF alcohol > 10.53 AND volatile acidity <= 0.38 AND total sulfur dioxide <= 43.50 AND citric acid > 0.30 AND density <= 1.00 AND volatile acidity > 0.20 AND citric acid > 0.31 AND free sulfur dioxide > 3.50 AND pH > 3.12 AND sulphates <= 0.61 AND pH > 3.31 AND volatile acidity > 0.36 THEN class = 7

Rule 148: IF alcohol > 10.53 AND volatile acidity <= 0.38 AND total sulfur dioxide <= 43.50 AND citric acid > 0.30 AND density <= 1.00 AND volatile acidity > 0.20 AND citric acid > 0.31 AND free sulfur dioxide > 3.50 AND pH > 3.12 AND sulphates > 0.61 AND residual sugar <= 1.55 AND density <= 0.99 THEN class = 6

Rule 149: IF alcohol > 10.53 AND volatile acidity <= 0.38 AND total sulfur dioxide <= 43.50 AND citric acid > 0.30 AND density <= 1.00 AND volatile acidity > 0.20 AND citric acid > 0.31 AND free sulfur dioxide > 3.50 AND pH > 3.12 AND sulphates > 0.61 AND residual sugar <= 1.55 AND density > 0.99 THEN class = 7

Rule 150: IF alcohol > 10.53 AND volatile acidity <= 0.38 AND total sulfur dioxide <= 43.50 AND citric acid > 0.30 AND density <= 1.00 AND volatile acidity > 0.20 AND citric acid > 0.31 AND free sulfur dioxide > 3.50 AND pH > 3.12 AND sulphates > 0.61 AND residual sugar > 1.55 THEN class = 7

Rule 151: IF alcohol > 10.53 AND volatile acidity <= 0.38 AND total sulfur dioxide <= 43.50 AND citric acid > 0.30 AND density > 1.00 AND sulphates <= 0.64 AND fixed acidity <= 8.90 AND free sulfur dioxide <= 6.50 THEN class = 5

Rule 152: IF alcohol > 10.53 AND volatile acidity <= 0.38 AND total sulfur dioxide <= 43.50 AND citric acid > 0.30 AND density > 1.00 AND sulphates <= 0.64 AND fixed acidity <= 8.90 AND free sulfur dioxide > 6.50 AND sulphates <= 0.61 THEN class = 6

Rule 153: IF alcohol > 10.53 AND volatile acidity <= 0.38 AND total sulfur dioxide <= 43.50 AND citric acid > 0.30 AND density > 1.00 AND sulphates <= 0.64 AND fixed acidity <= 8.90 AND free sulfur dioxide > 6.50 AND sulphates > 0.61 THEN class = 7

Rule 154: IF alcohol > 10.53 AND volatile acidity <= 0.38 AND total sulfur dioxide <= 43.50 AND citric acid > 0.30 AND density > 1.00 AND sulphates <= 0.64 AND fixed acidity > 8.90 AND volatile acidity <= 0.37 THEN class = 6

Rule 155: IF alcohol > 10.53 AND volatile acidity <= 0.38 AND total sulfur dioxide <= 43.50 AND citric acid > 0.30 AND density > 1.00 AND sulphates <= 0.64 AND fixed acidity > 8.90 AND volatile acidity > 0.37 THEN class = 7

Rule 156: IF alcohol > 10.53 AND volatile acidity <= 0.38 AND total sulfur dioxide <= 43.50 AND citric acid > 0.30 AND density > 1.00 AND sulphates > 0.64 AND fixed acidity <= 8.30 AND volatile acidity <= 0.31 AND sulphates <= 0.70 THEN class = 5

Rule 157: IF alcohol > 10.53 AND volatile acidity <= 0.38 AND total sulfur dioxide <= 43.50 AND citric acid > 0.30 AND density > 1.00 AND sulphates > 0.64 AND fixed acidity <= 8.30 AND volatile acidity <= 0.31 AND sulphates > 0.70 THEN class = 6

Rule 158: IF alcohol > 10.53 AND volatile acidity <= 0.38 AND total sulfur dioxide <= 43.50 AND citric acid > 0.30 AND density > 1.00 AND sulphates > 0.64 AND fixed acidity <= 8.30 AND volatile acidity > 0.31 AND sulphates <= 0.82 THEN class = 7

Rule 159: IF alcohol > 10.53 AND volatile acidity <= 0.38 AND total sulfur dioxide <= 43.50 AND citric acid > 0.30 AND density > 1.00 AND sulphates > 0.64 AND fixed acidity <= 8.30 AND volatile acidity > 0.31 AND sulphates > 0.82 THEN class = 8

Rule 160: IF alcohol > 10.53 AND volatile acidity <= 0.38 AND total sulfur dioxide <= 43.50 AND citric acid > 0.30 AND density > 1.00 AND sulphates > 0.64 AND fixed acidity > 8.30 AND total sulfur dioxide <= 17.50 AND residual sugar <= 2.15 THEN class = 6

Rule 161: IF alcohol > 10.53 AND volatile acidity <= 0.38 AND total sulfur dioxide <= 43.50 AND citric acid > 0.30 AND density > 1.00 AND sulphates > 0.64 AND fixed acidity > 8.30 AND total sulfur dioxide <= 17.50 AND residual sugar > 2.15 AND citric acid <= 0.42 THEN class = 7

Rule 162: IF alcohol > 10.53 AND volatile acidity <= 0.38 AND total sulfur dioxide <= 43.50 AND citric acid > 0.30 AND density > 1.00 AND sulphates > 0.64 AND fixed acidity > 8.30 AND total sulfur dioxide <= 17.50 AND residual sugar > 2.15 AND citric acid > 0.42 AND free sulfur dioxide <= 4.00 THEN class = 7

Rule 163: IF alcohol > 10.53 AND volatile acidity <= 0.38 AND total sulfur dioxide <= 43.50 AND citric acid > 0.30 AND density > 1.00 AND sulphates > 0.64 AND fixed acidity > 8.30 AND total sulfur dioxide <= 17.50 AND residual sugar > 2.15 AND citric acid > 0.42 AND free sulfur dioxide > 4.00 THEN class = 8

Rule 164: IF alcohol > 10.53 AND volatile acidity <= 0.38 AND total sulfur dioxide <= 43.50 AND citric acid > 0.30 AND density > 1.00 AND sulphates > 0.64 AND fixed acidity > 8.30 AND total sulfur dioxide > 17.50 AND total sulfur dioxide <= 36.00 AND sulphates <= 1.05 THEN class = 7

Rule 165: IF alcohol > 10.53 AND volatile acidity <= 0.38 AND total sulfur dioxide <= 43.50 AND citric acid > 0.30 AND density > 1.00 AND sulphates > 0.64 AND fixed acidity > 8.30 AND total sulfur dioxide > 17.50 AND total sulfur dioxide <= 36.00 AND sulphates > 1.05 AND residual sugar <= 2.10 THEN class = 6

Rule 166: IF alcohol > 10.53 AND volatile acidity <= 0.38 AND total sulfur dioxide <= 43.50 AND citric acid > 0.30 AND density > 1.00 AND sulphates > 0.64 AND fixed acidity > 8.30 AND total sulfur dioxide > 17.50 AND total sulfur dioxide <= 36.00 AND sulphates > 1.05 AND residual sugar > 2.10 THEN class = 7

Rule 167: IF alcohol > 10.53 AND volatile acidity <= 0.38 AND total sulfur dioxide <= 43.50 AND citric acid > 0.30 AND density > 1.00 AND sulphates > 0.64 AND fixed acidity > 8.30 AND total sulfur dioxide > 17.50 AND total sulfur dioxide > 36.00 AND fixed acidity <= 10.20 THEN class = 5

Rule 168: IF alcohol > 10.53 AND volatile acidity <= 0.38 AND total sulfur dioxide <= 43.50 AND citric acid > 0.30 AND density > 1.00 AND sulphates > 0.64 AND fixed acidity > 8.30 AND total sulfur dioxide > 17.50 AND total sulfur dioxide > 36.00 AND fixed acidity > 10.20 AND sulphates <= 0.80 THEN class = 7

Rule 169: IF alcohol > 10.53 AND volatile acidity <= 0.38 AND total sulfur dioxide <= 43.50 AND citric acid > 0.30 AND density > 1.00 AND sulphates > 0.64 AND fixed acidity > 8.30 AND total sulfur dioxide > 17.50 AND total sulfur dioxide > 36.00 AND fixed acidity > 10.20 AND sulphates > 0.80 THEN class = 6

Rule 170: IF alcohol > 10.53 AND volatile acidity <= 0.38 AND total sulfur dioxide > 43.50 AND density <= 1.00 AND free sulfur dioxide <= 34.50 AND pH <= 3.40 THEN class = 6

Rule 171: IF alcohol > 10.53 AND volatile acidity <= 0.38 AND total sulfur dioxide > 43.50 AND density <= 1.00 AND free sulfur dioxide <= 34.50 AND pH > 3.40 AND chlorides <= 0.07 AND pH <= 3.59 THEN class = 5

Rule 172: IF alcohol > 10.53 AND volatile acidity <= 0.38 AND total sulfur dioxide > 43.50 AND density <= 1.00 AND free sulfur dioxide <= 34.50 AND pH > 3.40 AND chlorides <= 0.07 AND pH > 3.59 THEN class = 6

Rule 173: IF alcohol > 10.53 AND volatile acidity <= 0.38 AND total sulfur dioxide > 43.50 AND density <= 1.00 AND free sulfur dioxide <= 34.50 AND pH > 3.40 AND chlorides > 0.07 THEN class = 7

Rule 174: IF alcohol > 10.53 AND volatile acidity <= 0.38 AND total sulfur dioxide > 43.50 AND density <= 1.00 AND free sulfur dioxide > 34.50 AND residual sugar <= 1.57 THEN class = 6

Rule 175: IF alcohol > 10.53 AND volatile acidity <= 0.38 AND total sulfur dioxide > 43.50 AND density <= 1.00 AND free sulfur dioxide > 34.50 AND residual sugar > 1.57 THEN class = 7

Rule 176: IF alcohol > 10.53 AND volatile acidity <= 0.38 AND total sulfur dioxide > 43.50 AND density > 1.00 AND residual sugar <= 2.25 THEN class = 6

Rule 177: IF alcohol > 10.53 AND volatile acidity <= 0.38 AND total sulfur dioxide > 43.50 AND density > 1.00 AND residual sugar > 2.25 AND total sulfur dioxide <= 45.50 THEN class = 6

Rule 178: IF alcohol > 10.53 AND volatile acidity <= 0.38 AND total sulfur dioxide > 43.50 AND density > 1.00 AND residual sugar > 2.25 AND total sulfur dioxide > 45.50 THEN class = 5

Rule 179: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates <= 0.58 AND alcohol <= 11.45 AND free sulfur dioxide <= 18.50 AND chlorides <= 0.11 AND total sulfur dioxide <= 10.00 THEN class = 4

Rule 180: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates <= 0.58 AND alcohol <= 11.45 AND free sulfur dioxide <= 18.50 AND chlorides <= 0.11 AND total sulfur dioxide > 10.00 AND alcohol <= 10.80 AND citric acid <= 0.18 THEN class = 5

Rule 181: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates <= 0.58 AND alcohol <= 11.45 AND free sulfur dioxide <= 18.50 AND chlorides <= 0.11 AND total sulfur dioxide > 10.00 AND alcohol <= 10.80 AND citric acid > 0.18 THEN class = 6

Rule 182: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates <= 0.58 AND alcohol <= 11.45 AND free sulfur dioxide <= 18.50 AND chlorides <= 0.11 AND total sulfur dioxide > 10.00 AND alcohol > 10.80 AND chlorides <= 0.07 AND citric acid <= 0.13 AND density <= 0.99 THEN class = 5

Rule 183: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates <= 0.58 AND alcohol <= 11.45 AND free sulfur dioxide <= 18.50 AND chlorides <= 0.11 AND total sulfur dioxide > 10.00 AND alcohol > 10.80 AND chlorides <= 0.07 AND citric acid <= 0.13 AND density > 0.99 AND residual sugar <= 2.05 THEN class = 6

Rule 184: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates <= 0.58 AND alcohol <= 11.45 AND free sulfur dioxide <= 18.50 AND chlorides <= 0.11 AND total sulfur dioxide > 10.00 AND alcohol > 10.80 AND chlorides <= 0.07 AND citric acid <= 0.13 AND density > 0.99 AND residual sugar > 2.05 THEN class = 4

Rule 185: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates <= 0.58 AND alcohol <= 11.45 AND free sulfur dioxide <= 18.50 AND chlorides <= 0.11 AND total sulfur dioxide > 10.00 AND alcohol > 10.80 AND chlorides <= 0.07 AND citric acid > 0.13 AND density <= 0.99 THEN class = 7

Rule 186: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates <= 0.58 AND alcohol <= 11.45 AND free sulfur dioxide <= 18.50 AND chlorides <= 0.11 AND total sulfur dioxide > 10.00 AND alcohol > 10.80 AND chlorides <= 0.07 AND citric acid > 0.13 AND density > 0.99 THEN class = 5

Rule 187: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates <= 0.58 AND alcohol <= 11.45 AND free sulfur dioxide <= 18.50 AND chlorides <= 0.11 AND total sulfur dioxide > 10.00 AND alcohol > 10.80 AND chlorides > 0.07 THEN class = 5

Rule 188: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates <= 0.58 AND alcohol <= 11.45 AND free sulfur dioxide <= 18.50 AND chlorides > 0.11 AND citric acid <= 0.05 AND volatile acidity <= 1.23 THEN class = 5

Rule 189: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates <= 0.58 AND alcohol <= 11.45 AND free sulfur dioxide <= 18.50 AND chlorides > 0.11 AND citric acid <= 0.05 AND volatile acidity > 1.23 THEN class = 3

Rule 190: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates <= 0.58 AND alcohol <= 11.45 AND free sulfur dioxide <= 18.50 AND chlorides > 0.11 AND citric acid > 0.05 THEN class = 6

Rule 191: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates <= 0.58 AND alcohol <= 11.45 AND free sulfur dioxide > 18.50 AND density <= 1.00 AND density <= 0.99 THEN class = 5

Rule 192: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates <= 0.58 AND alcohol <= 11.45 AND free sulfur dioxide > 18.50 AND density <= 1.00 AND density > 0.99 THEN class = 6

Rule 193: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates <= 0.58 AND alcohol <= 11.45 AND free sulfur dioxide > 18.50 AND density > 1.00 THEN class = 4

Rule 194: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates <= 0.58 AND alcohol > 11.45 AND free sulfur dioxide <= 30.00 AND fixed acidity <= 7.00 AND volatile acidity <= 0.57 AND fixed acidity <= 5.35 THEN class = 4

Rule 195: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates <= 0.58 AND alcohol > 11.45 AND free sulfur dioxide <= 30.00 AND fixed acidity <= 7.00 AND volatile acidity <= 0.57 AND fixed acidity > 5.35 THEN class = 6

Rule 196: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates <= 0.58 AND alcohol > 11.45 AND free sulfur dioxide <= 30.00 AND fixed acidity <= 7.00 AND volatile acidity > 0.57 AND density <= 0.99 AND citric acid <= 0.03 AND alcohol <= 11.75 THEN class = 5

Rule 197: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates <= 0.58 AND alcohol > 11.45 AND free sulfur dioxide <= 30.00 AND fixed acidity <= 7.00 AND volatile acidity > 0.57 AND density <= 0.99 AND citric acid <= 0.03 AND alcohol > 11.75 THEN class = 6

Rule 198: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates <= 0.58 AND alcohol > 11.45 AND free sulfur dioxide <= 30.00 AND fixed acidity <= 7.00 AND volatile acidity > 0.57 AND density <= 0.99 AND citric acid > 0.03 THEN class = 5

Rule 199: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates <= 0.58 AND alcohol > 11.45 AND free sulfur dioxide <= 30.00 AND fixed acidity <= 7.00 AND volatile acidity > 0.57 AND density > 0.99 AND pH <= 3.53 THEN class = 4

Rule 200: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates <= 0.58 AND alcohol > 11.45 AND free sulfur dioxide <= 30.00 AND fixed acidity <= 7.00 AND volatile acidity > 0.57 AND density > 0.99 AND pH > 3.53 THEN class = 6

Rule 201: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates <= 0.58 AND alcohol > 11.45 AND free sulfur dioxide <= 30.00 AND fixed acidity > 7.00 AND residual sugar <= 5.40 THEN class = 6

Rule 202: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates <= 0.58 AND alcohol > 11.45 AND free sulfur dioxide <= 30.00 AND fixed acidity > 7.00 AND residual sugar > 5.40 AND residual sugar <= 6.25 THEN class = 7

Rule 203: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates <= 0.58 AND alcohol > 11.45 AND free sulfur dioxide <= 30.00 AND fixed acidity > 7.00 AND residual sugar > 5.40 AND residual sugar > 6.25 THEN class = 4

Rule 204: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates <= 0.58 AND alcohol > 11.45 AND free sulfur dioxide > 30.00 THEN class = 7

Rule 205: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates > 0.58 AND total sulfur dioxide <= 85.50 AND citric acid <= 0.52 AND density <= 1.00 AND density <= 0.99 AND chlorides <= 0.05 AND pH <= 3.60 THEN class = 6

Rule 206: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates > 0.58 AND total sulfur dioxide <= 85.50 AND citric acid <= 0.52 AND density <= 1.00 AND density <= 0.99 AND chlorides <= 0.05 AND pH > 3.60 THEN class = 7

Rule 207: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates > 0.58 AND total sulfur dioxide <= 85.50 AND citric acid <= 0.52 AND density <= 1.00 AND density <= 0.99 AND chlorides > 0.05 THEN class = 8

Rule 208: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates > 0.58 AND total sulfur dioxide <= 85.50 AND citric acid <= 0.52 AND density <= 1.00 AND density > 0.99 AND alcohol <= 10.65 AND citric acid <= 0.20 AND volatile acidity <= 0.60 THEN class = 7

Rule 209: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates > 0.58 AND total sulfur dioxide <= 85.50 AND citric acid <= 0.52 AND density <= 1.00 AND density > 0.99 AND alcohol <= 10.65 AND citric acid <= 0.20 AND volatile acidity > 0.60 THEN class = 5

Rule 210: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates > 0.58 AND total sulfur dioxide <= 85.50 AND citric acid <= 0.52 AND density <= 1.00 AND density > 0.99 AND alcohol <= 10.65 AND citric acid > 0.20 THEN class = 6

Rule 211: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates > 0.58 AND total sulfur dioxide <= 85.50 AND citric acid <= 0.52 AND density <= 1.00 AND density > 0.99 AND alcohol > 10.65 AND volatile acidity <= 0.42 AND alcohol <= 12.50 AND residual sugar <= 2.05 AND chlorides <= 0.07 THEN class = 8

Rule 212: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates > 0.58 AND total sulfur dioxide <= 85.50 AND citric acid <= 0.52 AND density <= 1.00 AND density > 0.99 AND alcohol > 10.65 AND volatile acidity <= 0.42 AND alcohol <= 12.50 AND residual sugar <= 2.05 AND chlorides > 0.07 AND pH <= 3.42 THEN class = 6

Rule 213: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates > 0.58 AND total sulfur dioxide <= 85.50 AND citric acid <= 0.52 AND density <= 1.00 AND density > 0.99 AND alcohol > 10.65 AND volatile acidity <= 0.42 AND alcohol <= 12.50 AND residual sugar <= 2.05 AND chlorides > 0.07 AND pH > 3.42 THEN class = 7

Rule 214: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates > 0.58 AND total sulfur dioxide <= 85.50 AND citric acid <= 0.52 AND density <= 1.00 AND density > 0.99 AND alcohol > 10.65 AND volatile acidity <= 0.42 AND alcohol <= 12.50 AND residual sugar > 2.05 AND citric acid <= 0.50 THEN class = 6

Rule 215: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates > 0.58 AND total sulfur dioxide <= 85.50 AND citric acid <= 0.52 AND density <= 1.00 AND density > 0.99 AND alcohol > 10.65 AND volatile acidity <= 0.42 AND alcohol <= 12.50 AND residual sugar > 2.05 AND citric acid > 0.50 THEN class = 5

Rule 216: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates > 0.58 AND total sulfur dioxide <= 85.50 AND citric acid <= 0.52 AND density <= 1.00 AND density > 0.99 AND alcohol > 10.65 AND volatile acidity <= 0.42 AND alcohol > 12.50 THEN class = 7

Rule 217: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates > 0.58 AND total sulfur dioxide <= 85.50 AND citric acid <= 0.52 AND density <= 1.00 AND density > 0.99 AND alcohol > 10.65 AND volatile acidity > 0.42 AND fixed acidity <= 5.35 THEN class = 5

Rule 218: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates > 0.58 AND total sulfur dioxide <= 85.50 AND citric acid <= 0.52 AND density <= 1.00 AND density > 0.99 AND alcohol > 10.65 AND volatile acidity > 0.42 AND fixed acidity > 5.35 AND total sulfur dioxide <= 25.50 AND chlorides <= 0.10 THEN class = 6

Rule 219: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates > 0.58 AND total sulfur dioxide <= 85.50 AND citric acid <= 0.52 AND density <= 1.00 AND density > 0.99 AND alcohol > 10.65 AND volatile acidity > 0.42 AND fixed acidity > 5.35 AND total sulfur dioxide <= 25.50 AND chlorides > 0.10 AND density <= 1.00 AND residual sugar <= 1.85 THEN class = 6

Rule 220: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates > 0.58 AND total sulfur dioxide <= 85.50 AND citric acid <= 0.52 AND density <= 1.00 AND density > 0.99 AND alcohol > 10.65 AND volatile acidity > 0.42 AND fixed acidity > 5.35 AND total sulfur dioxide <= 25.50 AND chlorides > 0.10 AND density <= 1.00 AND residual sugar > 1.85 THEN class = 5

Rule 221: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates > 0.58 AND total sulfur dioxide <= 85.50 AND citric acid <= 0.52 AND density <= 1.00 AND density > 0.99 AND alcohol > 10.65 AND volatile acidity > 0.42 AND fixed acidity > 5.35 AND total sulfur dioxide <= 25.50 AND chlorides > 0.10 AND density > 1.00 THEN class = 6

Rule 222: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates > 0.58 AND total sulfur dioxide <= 85.50 AND citric acid <= 0.52 AND density <= 1.00 AND density > 0.99 AND alcohol > 10.65 AND volatile acidity > 0.42 AND fixed acidity > 5.35 AND total sulfur dioxide > 25.50 AND total sulfur dioxide <= 31.50 AND density <= 0.99 AND fixed acidity <= 6.55 THEN class = 6

Rule 223: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates > 0.58 AND total sulfur dioxide <= 85.50 AND citric acid <= 0.52 AND density <= 1.00 AND density > 0.99 AND alcohol > 10.65 AND volatile acidity > 0.42 AND fixed acidity > 5.35 AND total sulfur dioxide > 25.50 AND total sulfur dioxide <= 31.50 AND density <= 0.99 AND fixed acidity > 6.55 THEN class = 7

Rule 224: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates > 0.58 AND total sulfur dioxide <= 85.50 AND citric acid <= 0.52 AND density <= 1.00 AND density > 0.99 AND alcohol > 10.65 AND volatile acidity > 0.42 AND fixed acidity > 5.35 AND total sulfur dioxide > 25.50 AND total sulfur dioxide <= 31.50 AND density > 0.99 AND residual sugar <= 2.65 THEN class = 5

Rule 225: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates > 0.58 AND total sulfur dioxide <= 85.50 AND citric acid <= 0.52 AND density <= 1.00 AND density > 0.99 AND alcohol > 10.65 AND volatile acidity > 0.42 AND fixed acidity > 5.35 AND total sulfur dioxide > 25.50 AND total sulfur dioxide <= 31.50 AND density > 0.99 AND residual sugar > 2.65 AND total sulfur dioxide <= 29.50 THEN class = 7

Rule 226: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates > 0.58 AND total sulfur dioxide <= 85.50 AND citric acid <= 0.52 AND density <= 1.00 AND density > 0.99 AND alcohol > 10.65 AND volatile acidity > 0.42 AND fixed acidity > 5.35 AND total sulfur dioxide > 25.50 AND total sulfur dioxide <= 31.50 AND density > 0.99 AND residual sugar > 2.65 AND total sulfur dioxide > 29.50 THEN class = 4

Rule 227: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates > 0.58 AND total sulfur dioxide <= 85.50 AND citric acid <= 0.52 AND density <= 1.00 AND density > 0.99 AND alcohol > 10.65 AND volatile acidity > 0.42 AND fixed acidity > 5.35 AND total sulfur dioxide > 25.50 AND total sulfur dioxide > 31.50 AND volatile acidity <= 0.56 THEN class = 6

Rule 228: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates > 0.58 AND total sulfur dioxide <= 85.50 AND citric acid <= 0.52 AND density <= 1.00 AND density > 0.99 AND alcohol > 10.65 AND volatile acidity > 0.42 AND fixed acidity > 5.35 AND total sulfur dioxide > 25.50 AND total sulfur dioxide > 31.50 AND volatile acidity > 0.56 AND volatile acidity <= 0.67 AND sulphates <= 0.68 AND fixed acidity <= 7.65 AND alcohol <= 12.65 THEN class = 6

Rule 229: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates > 0.58 AND total sulfur dioxide <= 85.50 AND citric acid <= 0.52 AND density <= 1.00 AND density > 0.99 AND alcohol > 10.65 AND volatile acidity > 0.42 AND fixed acidity > 5.35 AND total sulfur dioxide > 25.50 AND total sulfur dioxide > 31.50 AND volatile acidity > 0.56 AND volatile acidity <= 0.67 AND sulphates <= 0.68 AND fixed acidity <= 7.65 AND alcohol > 12.65 THEN class = 5

Rule 230: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates > 0.58 AND total sulfur dioxide <= 85.50 AND citric acid <= 0.52 AND density <= 1.00 AND density > 0.99 AND alcohol > 10.65 AND volatile acidity > 0.42 AND fixed acidity > 5.35 AND total sulfur dioxide > 25.50 AND total sulfur dioxide > 31.50 AND volatile acidity > 0.56 AND volatile acidity <= 0.67 AND sulphates <= 0.68 AND fixed acidity > 7.65 THEN class = 5

Rule 231: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates > 0.58 AND total sulfur dioxide <= 85.50 AND citric acid <= 0.52 AND density <= 1.00 AND density > 0.99 AND alcohol > 10.65 AND volatile acidity > 0.42 AND fixed acidity > 5.35 AND total sulfur dioxide > 25.50 AND total sulfur dioxide > 31.50 AND volatile acidity > 0.56 AND volatile acidity <= 0.67 AND sulphates > 0.68 AND pH <= 3.33 THEN class = 6

Rule 232: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates > 0.58 AND total sulfur dioxide <= 85.50 AND citric acid <= 0.52 AND density <= 1.00 AND density > 0.99 AND alcohol > 10.65 AND volatile acidity > 0.42 AND fixed acidity > 5.35 AND total sulfur dioxide > 25.50 AND total sulfur dioxide > 31.50 AND volatile acidity > 0.56 AND volatile acidity <= 0.67 AND sulphates > 0.68 AND pH > 3.33 AND free sulfur dioxide <= 37.50 THEN class = 7

Rule 233: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates > 0.58 AND total sulfur dioxide <= 85.50 AND citric acid <= 0.52 AND density <= 1.00 AND density > 0.99 AND alcohol > 10.65 AND volatile acidity > 0.42 AND fixed acidity > 5.35 AND total sulfur dioxide > 25.50 AND total sulfur dioxide > 31.50 AND volatile acidity > 0.56 AND volatile acidity <= 0.67 AND sulphates > 0.68 AND pH > 3.33 AND free sulfur dioxide > 37.50 THEN class = 6

Rule 234: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates > 0.58 AND total sulfur dioxide <= 85.50 AND citric acid <= 0.52 AND density <= 1.00 AND density > 0.99 AND alcohol > 10.65 AND volatile acidity > 0.42 AND fixed acidity > 5.35 AND total sulfur dioxide > 25.50 AND total sulfur dioxide > 31.50 AND volatile acidity > 0.56 AND volatile acidity > 0.67 AND total sulfur dioxide <= 38.50 AND citric acid <= 0.03 THEN class = 6

Rule 235: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates > 0.58 AND total sulfur dioxide <= 85.50 AND citric acid <= 0.52 AND density <= 1.00 AND density > 0.99 AND alcohol > 10.65 AND volatile acidity > 0.42 AND fixed acidity > 5.35 AND total sulfur dioxide > 25.50 AND total sulfur dioxide > 31.50 AND volatile acidity > 0.56 AND volatile acidity > 0.67 AND total sulfur dioxide <= 38.50 AND citric acid > 0.03 THEN class = 5

Rule 236: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates > 0.58 AND total sulfur dioxide <= 85.50 AND citric acid <= 0.52 AND density <= 1.00 AND density > 0.99 AND alcohol > 10.65 AND volatile acidity > 0.42 AND fixed acidity > 5.35 AND total sulfur dioxide > 25.50 AND total sulfur dioxide > 31.50 AND volatile acidity > 0.56 AND volatile acidity > 0.67 AND total sulfur dioxide > 38.50 THEN class = 6

Rule 237: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates > 0.58 AND total sulfur dioxide <= 85.50 AND citric acid <= 0.52 AND density > 1.00 THEN class = 5

Rule 238: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates > 0.58 AND total sulfur dioxide <= 85.50 AND citric acid > 0.52 AND fixed acidity <= 10.55 THEN class = 7

Rule 239: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates > 0.58 AND total sulfur dioxide <= 85.50 AND citric acid > 0.52 AND fixed acidity > 10.55 AND volatile acidity <= 0.66 AND free sulfur dioxide <= 5.50 THEN class = 5

Rule 240: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates > 0.58 AND total sulfur dioxide <= 85.50 AND citric acid > 0.52 AND fixed acidity > 10.55 AND volatile acidity <= 0.66 AND free sulfur dioxide

Rule 240: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates > 0.58 AND total sulfur dioxide <= 85.50 AND citric acid > 0.52 AND fixed acidity > 10.55 AND volatile acidity <= 0.66 AND free sulfur dioxide > 5.50 AND alcohol <= 13.35 AND alcohol <= 10.85 AND chlorides <= 0.09 THEN class = 7

Rule 241: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates > 0.58 AND total sulfur dioxide <= 85.50 AND citric acid > 0.52 AND fixed acidity > 10.55 AND volatile acidity <= 0.66 AND free sulfur dioxide > 5.50 AND alcohol <= 13.35 AND alcohol <= 10.85 AND chlorides > 0.09 THEN class = 6

Rule 242: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates > 0.58 AND total sulfur dioxide <= 85.50 AND citric acid > 0.52 AND fixed acidity > 10.55 AND volatile acidity <= 0.66 AND free sulfur dioxide > 5.50 AND alcohol <= 13.35 AND alcohol > 10.85 THEN class = 6

Rule 243: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates > 0.58 AND total sulfur dioxide <= 85.50 AND citric acid > 0.52 AND fixed acidity > 10.55 AND volatile acidity <= 0.66 AND free sulfur dioxide > 5.50 AND alcohol > 13.35 THEN class = 8

Rule 244: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates > 0.58 AND total sulfur dioxide <= 85.50 AND citric acid > 0.52 AND fixed acidity > 10.55 AND volatile acidity > 0.66 THEN class = 7

Rule 245: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates > 0.58 AND total sulfur dioxide > 85.50 AND density <= 0.99 AND volatile acidity <= 0.72 THEN class = 7

Rule 246: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates > 0.58 AND total sulfur dioxide > 85.50 AND density <= 0.99 AND volatile acidity > 0.72 THEN class = 8

Rule 247: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates > 0.58 AND total sulfur dioxide > 85.50 AND density > 0.99 AND total sulfur dioxide <= 88.00 THEN class = 4

Rule 248: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates > 0.58 AND total sulfur dioxide > 85.50 AND density > 0.99 AND total sulfur dioxide > 88.00 AND pH <= 3.34 THEN class = 6

Rule 249: IF alcohol > 10.53 AND volatile acidity > 0.38 AND sulphates > 0.58 AND total sulfur dioxide > 85.50 AND density > 0.99 AND total sulfur dioxide > 88.00 AND pH > 3.34 THEN class = 5

Glass Classification Rule

1: IF Ba <= 0.34 AND Al <= 1.42 AND Ca <= 10.48 AND Mg <= 3.82 AND RI <= 1.52 AND RI <= 1.52 AND Na <= 15.33 THEN class = 1

Rule 2: IF Ba <= 0.34 AND Al <= 1.42 AND Ca <= 10.48 AND Mg <= 3.82 AND RI <= 1.52 AND RI <= 1.52 AND Na > 15.33 THEN class = 6

Rule 3: IF Ba <= 0.34 AND Al <= 1.42 AND Ca <= 10.48 AND Mg <= 3.82 AND RI <= 1.52 AND RI > 1.52 AND Ca <= 8.21 THEN class = 2

Rule 4: IF Ba <= 0.34 AND Al <= 1.42 AND Ca <= 10.48 AND Mg <= 3.82 AND RI <= 1.52 AND RI > 1.52 AND Ca > 8.21 AND Si <= 74.10 AND Mg <= 3.59 THEN class = 3

Rule 5: IF Ba <= 0.34 AND Al <= 1.42 AND Ca <= 10.48 AND Mg <= 3.82 AND RI <= 1.52 AND RI > 1.52 AND Ca > 8.21 AND Si <= 74.10 AND Mg > 3.59 THEN class = 2

Rule 6: IF Ba <= 0.34 AND Al <= 1.42 AND Ca <= 10.48 AND Mg <= 3.82 AND RI <= 1.52 AND RI > 1.52 AND Ca > 8.21 AND Si > 74.10 THEN class = 7

Rule 7: IF Ba <= 0.34 AND Al <= 1.42 AND Ca <= 10.48 AND Mg <= 3.82 AND RI > 1.52 AND Fe <= 0.19 AND Mg <= 2.61 THEN class = 6

Rule 8: IF Ba <= 0.34 AND Al <= 1.42 AND Ca <= 10.48 AND Mg <= 3.82 AND RI > 1.52 AND Fe <= 0.19 AND Mg > 2.61 AND Mg <= 3.75 AND RI <= 1.52 AND K <= 0.15 AND Ca <= 8.75 THEN class = 3

Rule 9: IF Ba <= 0.34 AND Al <= 1.42 AND Ca <= 10.48 AND Mg <= 3.82 AND RI > 1.52 AND Fe <= 0.19 AND Mg > 2.61 AND Mg <= 3.75 AND RI <= 1.52 AND K <= 0.15 AND Ca > 8.75 THEN class = 1

Rule 10: IF Ba <= 0.34 AND Al <= 1.42 AND Ca <= 10.48 AND Mg <= 3.82 AND RI > 1.52 AND Fe <= 0.19 AND Mg > 2.61 AND Mg <= 3.75 AND RI <= 1.52 AND K > 0.15 AND K <= 0.62 THEN class = 1

Rule 11: IF Ba <= 0.34 AND Al <= 1.42 AND Ca <= 10.48 AND Mg <= 3.82 AND RI > 1.52 AND Fe <= 0.19 AND Mg > 2.61 AND Mg <= 3.75 AND RI <= 1.52 AND K > 0.15 AND K > 0.62 AND Mg <= 3.58 THEN class = 1

Rule 12: IF Ba <= 0.34 AND Al <= 1.42 AND Ca <= 10.48 AND Mg <= 3.82 AND RI > 1.52 AND Fe <= 0.19 AND Mg > 2.61 AND Mg <= 3.75 AND RI <= 1.52 AND K > 0.15 AND K > 0.62 AND Mg > 3.58 THEN class = 2

Rule 13: IF Ba <= 0.34 AND Al <= 1.42 AND Ca <= 10.48 AND Mg <= 3.82 AND RI > 1.52 AND Fe <= 0.19 AND Mg > 2.61 AND Mg <= 3.75 AND RI > 1.52 AND Ca <= 9.32 AND Ca <= 8.68 THEN class = 2

Rule 14: IF Ba <= 0.34 AND Al <= 1.42 AND Ca <= 10.48 AND Mg <= 3.82 AND RI > 1.52 AND Fe <= 0.19 AND Mg > 2.61 AND Mg <= 3.75 AND RI > 1.52 AND Ca <= 9.32 AND Ca > 8.68 THEN class = 7

Rule 15: IF Ba <= 0.34 AND Al <= 1.42 AND Ca <= 10.48 AND Mg <= 3.82 AND RI > 1.52 AND Fe <= 0.19 AND Mg > 2.61 AND Mg <= 3.75 AND RI > 1.52 AND Ca > 9.32 THEN class = 1

Rule 16: IF Ba <= 0.34 AND Al <= 1.42 AND Ca <= 10.48 AND Mg <= 3.82 AND RI > 1.52 AND Fe <= 0.19 AND Mg > 2.61 AND Mg > 3.75 AND RI <= 1.52 AND Na <= 13.64 THEN class = 2

Rule 17: IF Ba <= 0.34 AND Al <= 1.42 AND Ca <= 10.48 AND Mg <= 3.82 AND RI > 1.52 AND Fe <= 0.19 AND Mg > 2.61 AND Mg > 3.75 AND RI <= 1.52 AND Na > 13.64 THEN class = 3

Rule 18: IF Ba <= 0.34 AND Al <= 1.42 AND Ca <= 10.48 AND Mg <= 3.82 AND RI > 1.52 AND Fe <= 0.19 AND Mg > 2.61 AND Mg > 3.75 AND RI > 1.52 THEN class = 1

Rule 19: IF Ba <= 0.34 AND Al <= 1.42 AND Ca <= 10.48 AND Mg <= 3.82 AND RI > 1.52 AND Fe > 0.19 AND Na <= 13.29 AND Al <= 1.18 THEN class = 2

Rule 20: IF Ba <= 0.34 AND Al <= 1.42 AND Ca <= 10.48 AND Mg <= 3.82 AND RI > 1.52 AND Fe > 0.19 AND Na <= 13.29 AND Al > 1.18 AND RI <= 1.52 THEN class = 1

Rule 21: IF Ba <= 0.34 AND Al <= 1.42 AND Ca <= 10.48 AND Mg <= 3.82 AND RI > 1.52 AND Fe > 0.19 AND Na <= 13.29 AND Al > 1.18 AND RI > 1.52 THEN class = 2

Rule 22: IF Ba <= 0.34 AND Al <= 1.42 AND Ca <= 10.48 AND Mg <= 3.82 AND RI > 1.52 AND Fe > 0.19 AND Na > 13.29 THEN class = 3

Rule 23: IF Ba <= 0.34 AND Al <= 1.42 AND Ca <= 10.48 AND Mg > 3.82 AND Si <= 71.88 AND K <= 0.03 THEN class = 3

Rule 24: IF Ba <= 0.34 AND Al <= 1.42 AND Ca <= 10.48 AND Mg > 3.82 AND Si <= 71.88 AND K > 0.03 THEN class = 1

Rule 25: IF Ba <= 0.34 AND Al <= 1.42 AND Ca <= 10.48 AND Mg > 3.82 AND Si > 71.88 THEN class = 2

Rule 26: IF Ba <= 0.34 AND Al <= 1.42 AND Ca > 10.48 AND Si <= 73.28 THEN class = 2

Rule 27: IF Ba <= 0.34 AND Al <= 1.42 AND Ca > 10.48 AND Si > 73.28 THEN class = 6

Rule 28: IF Ba <= 0.34 AND Al > 1.42 AND Mg <= 1.98 AND Na <= 13.79 AND RI <= 1.52 THEN class = 5

Rule 29: IF Ba <= 0.34 AND Al > 1.42 AND Mg <= 1.98 AND Na <= 13.79 AND RI > 1.52 THEN class = 2

Rule 30: IF Ba <= 0.34 AND Al > 1.42 AND Mg <= 1.98 AND Na > 13.79 THEN class = 6

Rule 31: IF Ba <= 0.34 AND Al > 1.42 AND Mg > 1.98 AND Na <= 13.89 AND Si <= 72.16 AND Fe <= 0.12 THEN class = 3

Rule 32: IF Ba <= 0.34 AND Al > 1.42 AND Mg > 1.98 AND Na <= 13.89 AND Si <= 72.16 AND Fe > 0.12 THEN class = 2

Rule 33: IF Ba <= 0.34 AND Al > 1.42 AND Mg > 1.98 AND Na <= 13.89 AND Si > 72.16 AND Na <= 12.80 AND Si <= 73.22 AND Na <= 12.46 THEN class = 2

Rule 34: IF Ba <= 0.34 AND Al > 1.42 AND Mg > 1.98 AND Na <= 13.89 AND Si > 72.16 AND Na <= 12.80 AND Si <= 73.22 AND Na > 12.46 THEN class = 1

Rule 35: IF Ba <= 0.34 AND Al > 1.42 AND Mg > 1.98 AND Na <= 13.89 AND Si > 72.16 AND Na <= 12.80 AND Si > 73.22 THEN class = 2

Rule 36: IF Ba <= 0.34 AND Al > 1.42 AND Mg > 1.98 AND Na <= 13.89 AND Si > 72.16 AND Na > 12.80 AND Ca <= 8.33 THEN class = 2

Rule 37: IF Ba <= 0.34 AND Al > 1.42 AND Mg > 1.98 AND Na <= 13.89 AND Si > 72.16 AND Na > 12.80 AND Ca > 8.33 AND Al <= 1.68 THEN class = 2

Rule 38: IF Ba <= 0.34 AND Al > 1.42 AND Mg > 1.98 AND Na <= 13.89 AND Si > 72.16 AND Na > 12.80 AND Ca > 8.33 AND Al > 1.68 AND RI <= 1.52 THEN class = 3

Rule 39: IF Ba <= 0.34 AND Al > 1.42 AND Mg > 1.98 AND Na <= 13.89 AND Si > 72.16 AND Na > 12.80 AND Ca > 8.33 AND Al > 1.68 AND RI > 1.52 THEN class = 1

Rule 40: IF Ba <= 0.34 AND Al > 1.42 AND Mg > 1.98 AND Na > 13.89 AND Al <= 1.84 THEN class = 6

Rule 41: IF Ba <= 0.34 AND Al > 1.42 AND Mg > 1.98 AND Na > 13.89 AND Al > 1.84 THEN class = 7

Rule 42: IF Ba > 0.34 AND Si <= 70.16 AND Mg <= 1.34 THEN class = 2

Rule 43: IF Ba > 0.34 AND Si <= 70.16 AND Mg > 1.34 THEN class = 5

Rule 44: IF Ba > 0.34 AND Si > 70.16 THEN class = 7