First Step:

FNs = 0.28 TPs = 0.72 FPs = 0.09 TNs = 0.91

fMeasure = 0.7976782752902155

Second Step:

FNs = 0.16 TPs = 0.84 FPs = 0.11 TNs = 0.89

fMeasure = 0.8586584531143053

Third Step:

FNs = 0.00 TPs = 1.00 FPs = 0.20 TNs = 0.80

fMeasure = 0.906129252216077

Fourth Step:

FNs = 0.14 TPs = 0.86 FPs = 0.11 TNs = 0.89

fMeasure = 0.8764292368933683