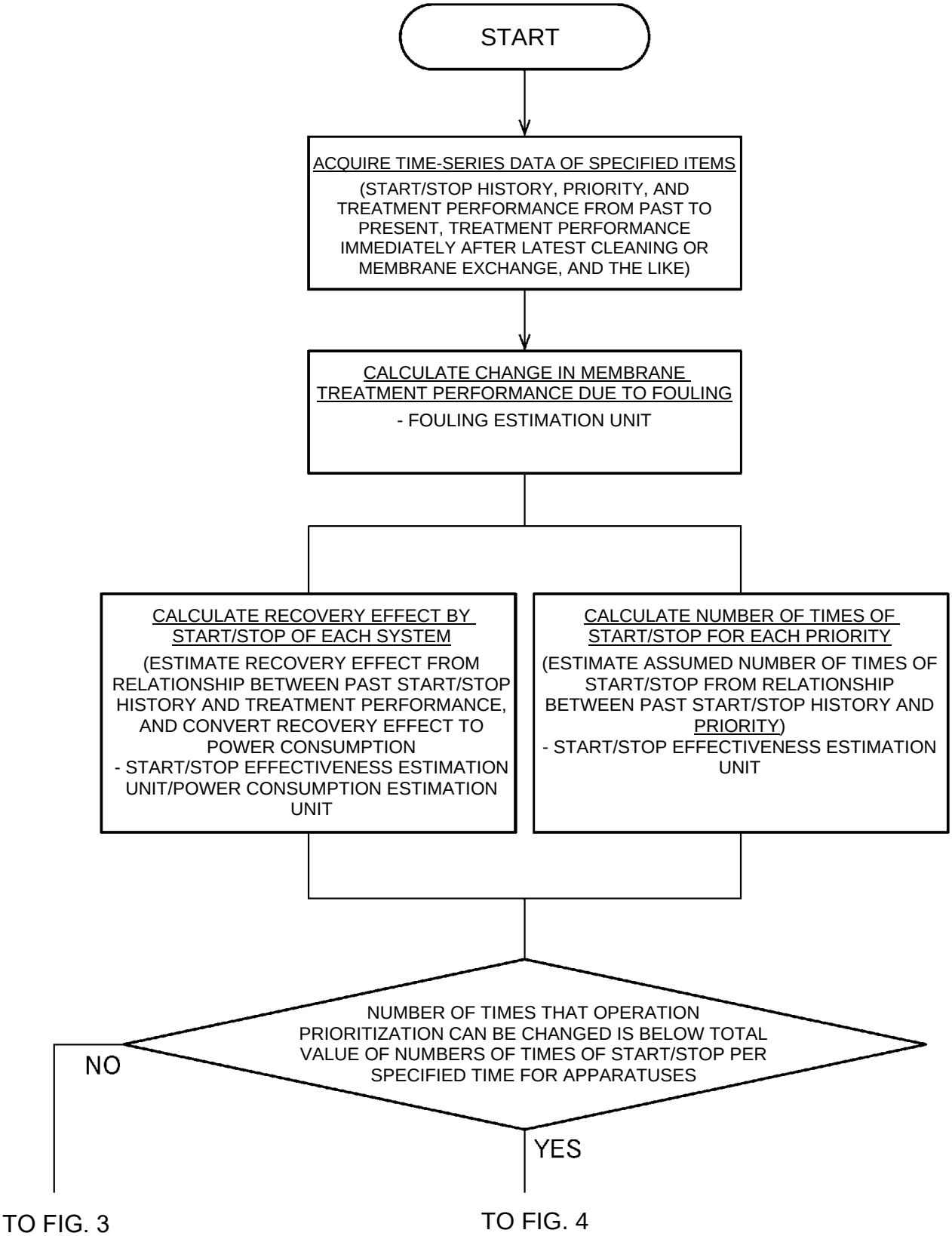
Fig. 2


START
ACQUIRE TIME-SERIES DATA OF SPECIFIED ITEMS
(START/STOP HISTORY, PRIORITY, AND TREATMENT PERFORMANCE FROM PAST TO PRESENT, TREATMENT PERFORMANCE IMMEDIATELY AFTER LATEST CLEANING OR MEMBRANE EXCHANGE, AND THE LIKE)
CALCULATE CHANGE IN MEMBRANE TREATMENT PERFORMANCE DUE TO FOULING
- FOULING ESTIMATION UNIT
CALCULATE RECOVERY EFFECT BY START/STOP OF EACH SYSTEM
(ESTIMATE RECOVERY EFFECT FROM RELATIONSHIP BETWEEN PAST START/STOP HISTORY AND TREATMENT PERFORMANCE, AND CONVERT RECOVERY EFFECT TO POWER CONSUMPTION
- START/STOP EFFECTIVENESS ESTIMATION UNIT/POWER CONSUMPTION ESTIMATION UNIT
CALCULATE NUMBER OF TIMES OF START/STOP FOR EACH PRIORITY
(ESTIMATE ASSUMED NUMBER OF TIMES OF START/STOP FROM RELATIONSHIP BETWEEN PAST START/STOP HISTORY AND PRIORITY)
- START/STOP EFFECTIVENESS ESTIMATION UNIT
NUMBER OF TIMES THAT OPERATION PRIORITIZATION CAN BE CHANGED IS BELOW TOTAL VALUE OF NUMBERS OF TIMES OF START/STOP PER SPECIFIED TIME FOR APPARATUSES
NO
YES
TO FIG. 3
TO FIG. 4