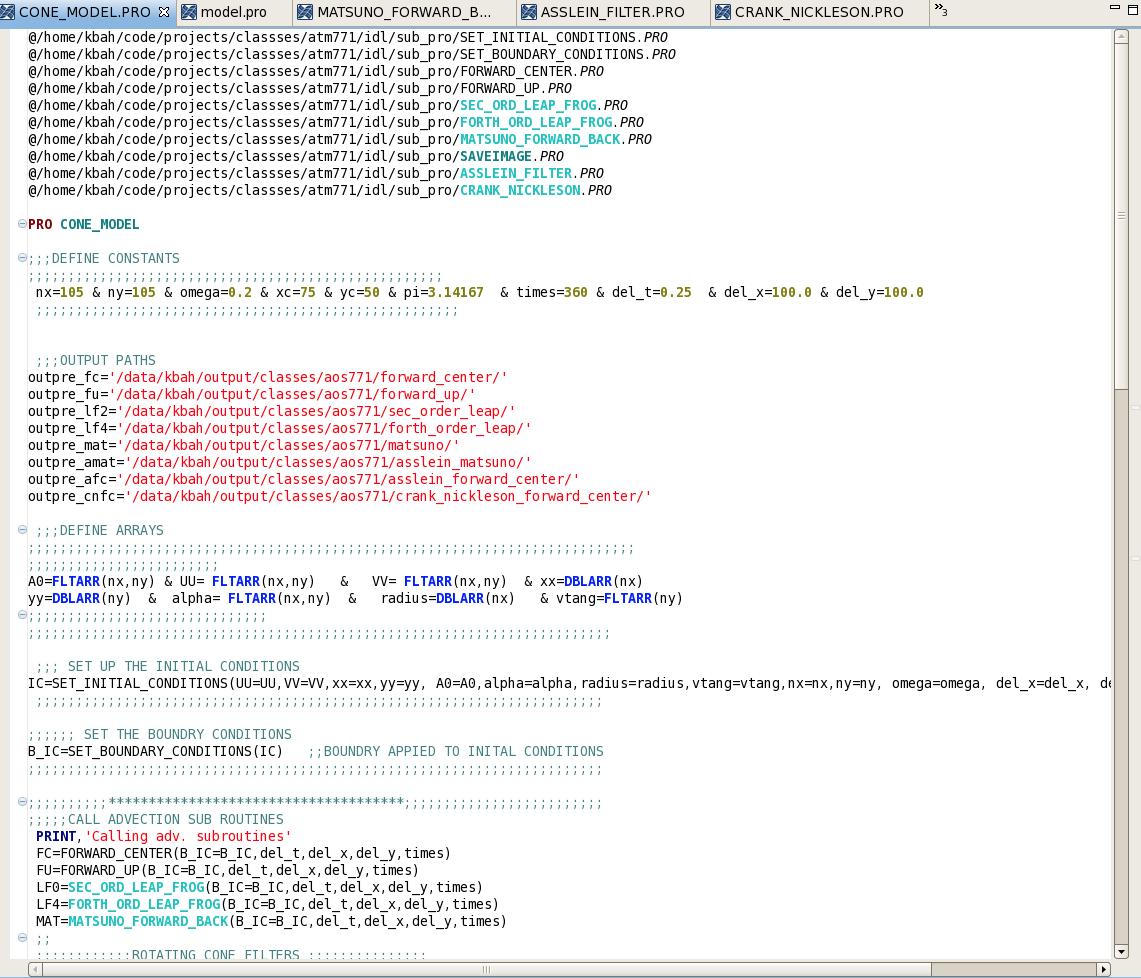
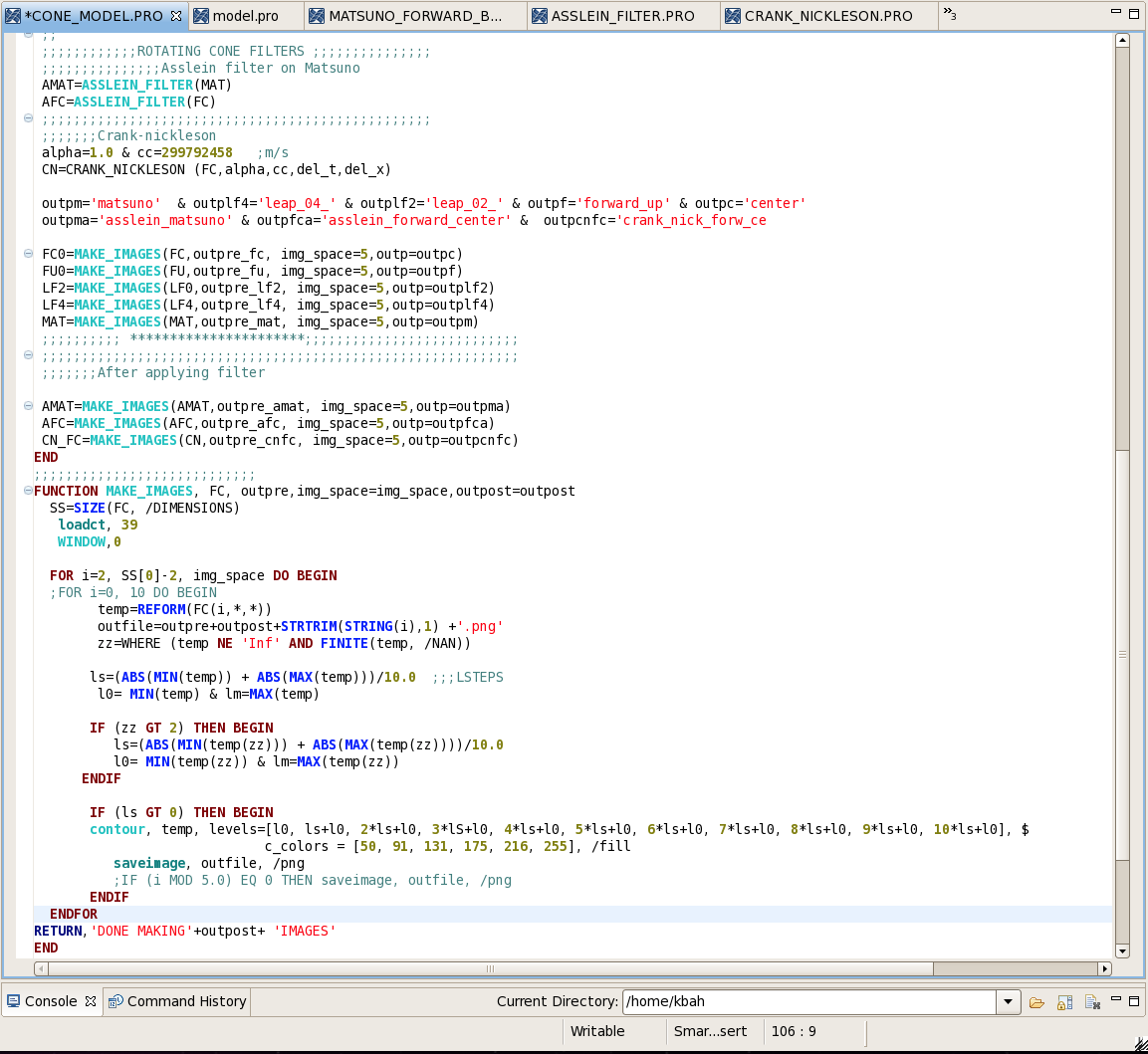
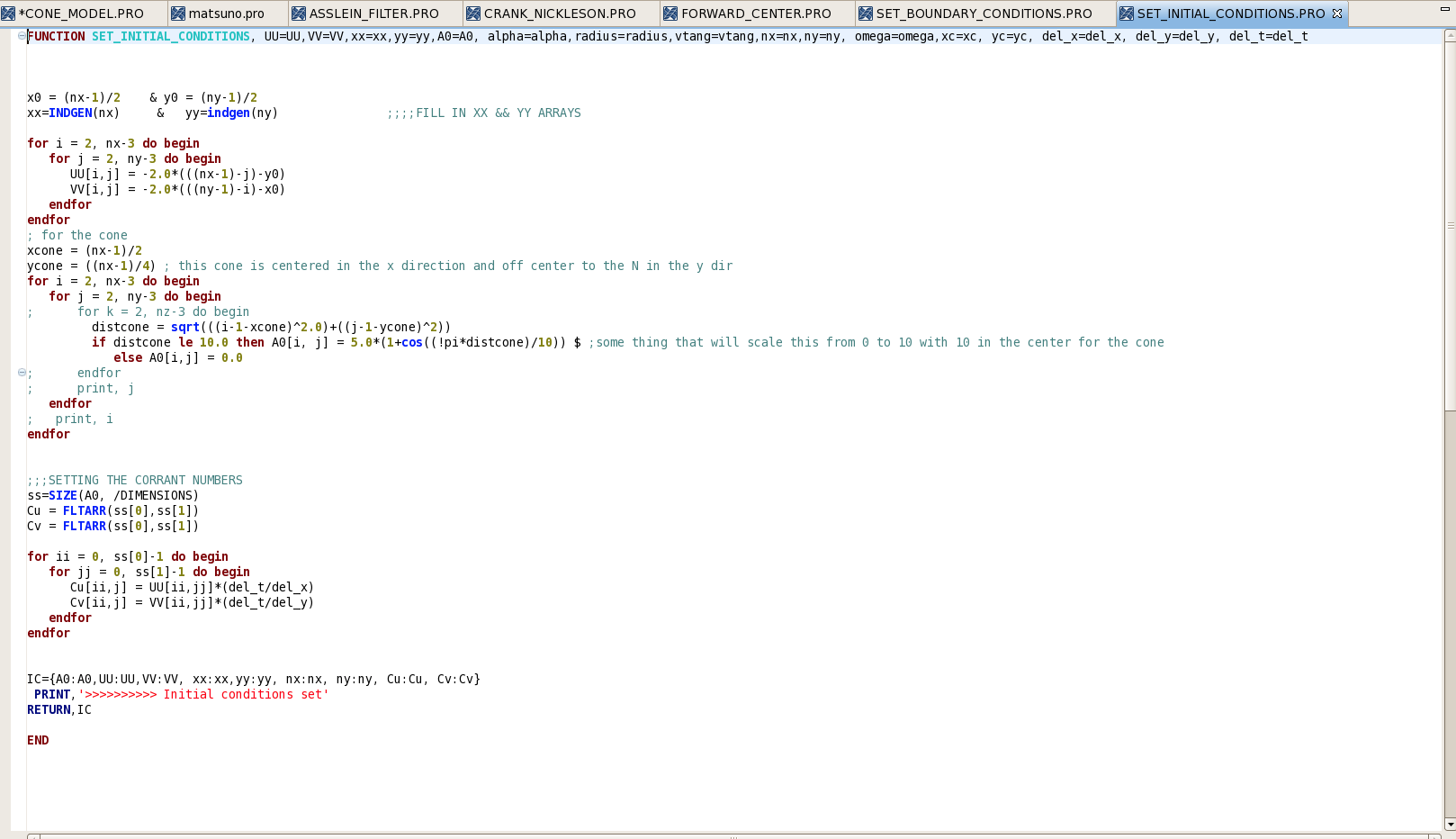
**MAIN CODE THAT CALLS SUB ROUTINES**



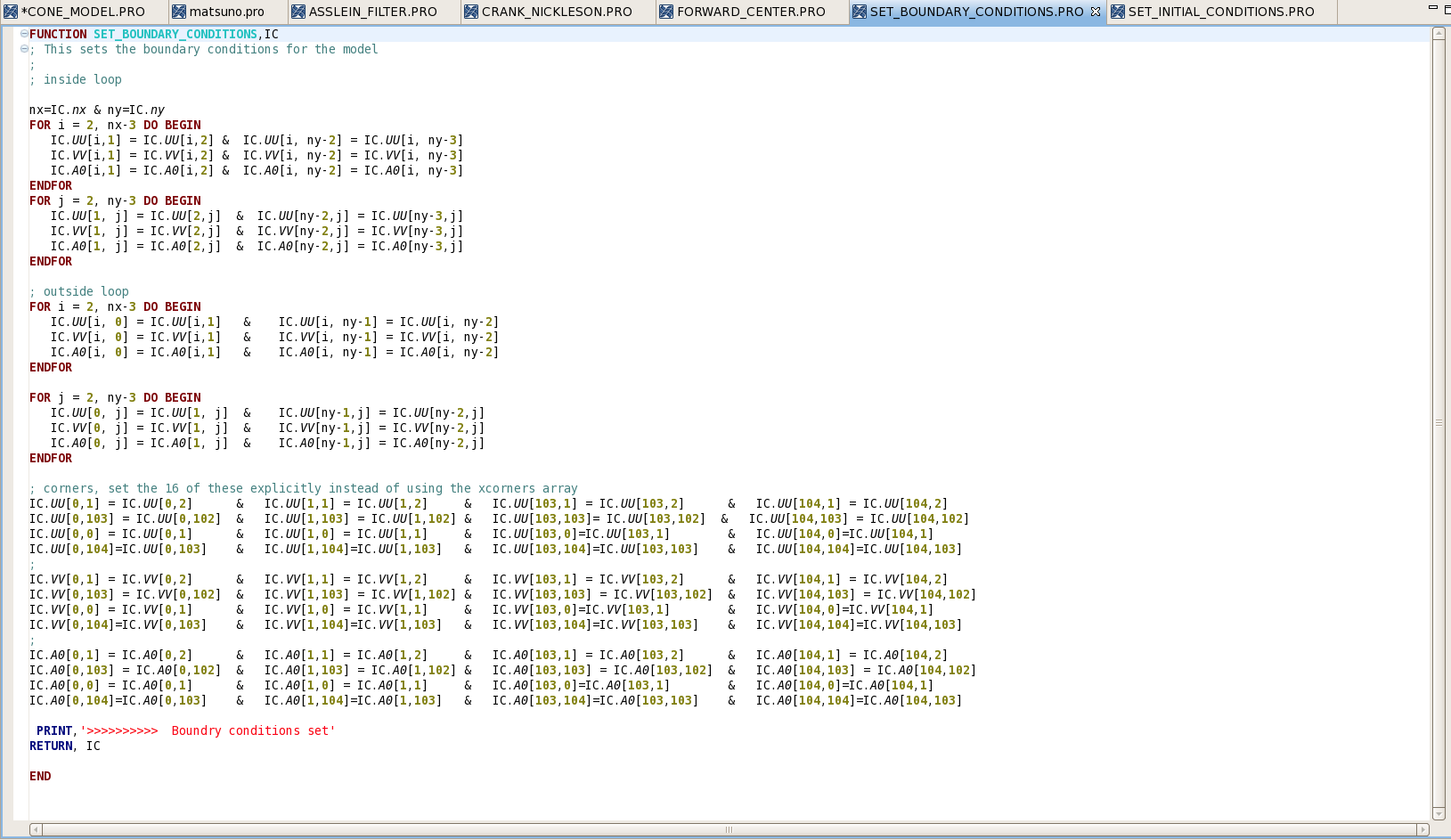
**MAIN CODE CONTINUES……..**



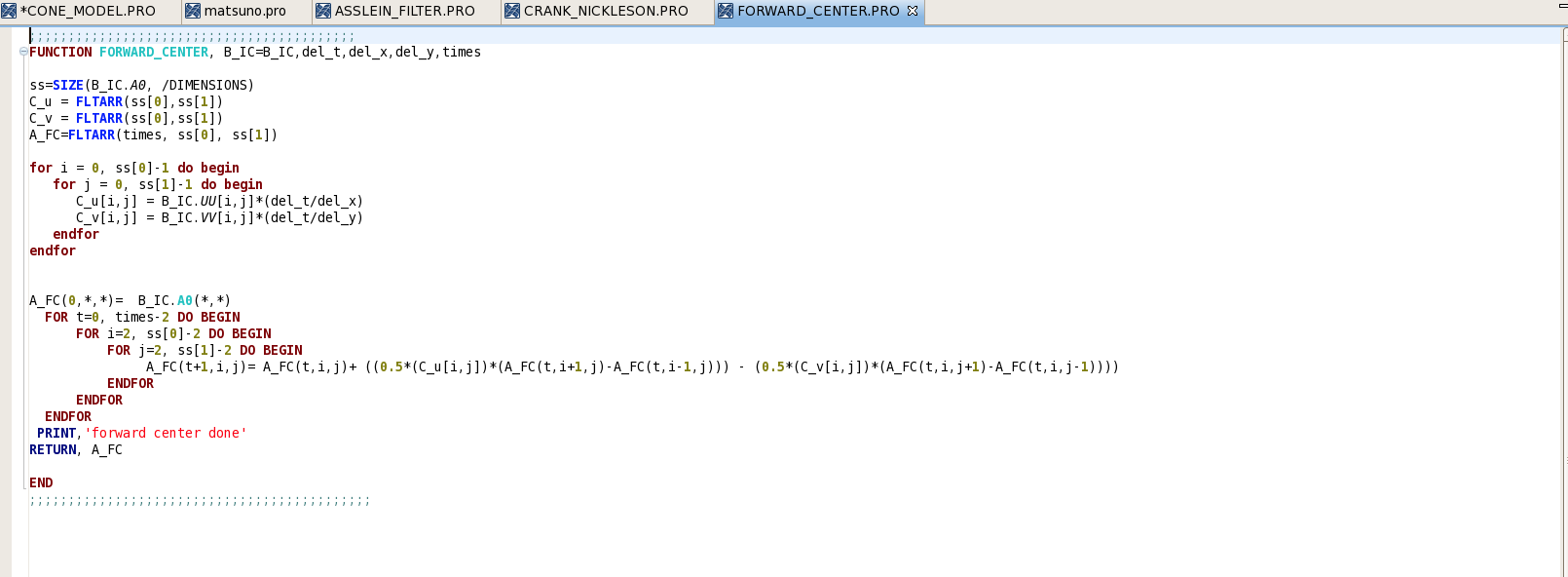
**SUB ROUTINES TO SET UP INITIAL CONTIONS**



**SUB ROUTINES TO SET UP BOUNDARY CONTIONS**



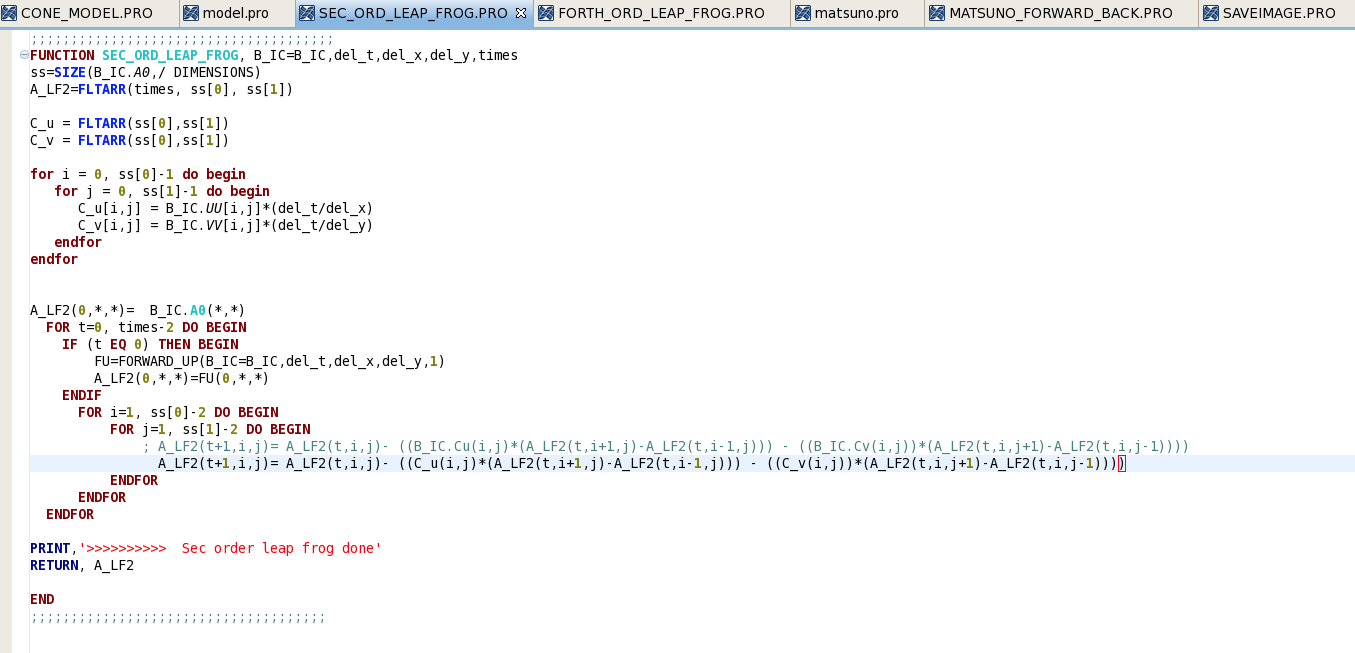
**SUB ROUTINE: FORWARD CENTER**



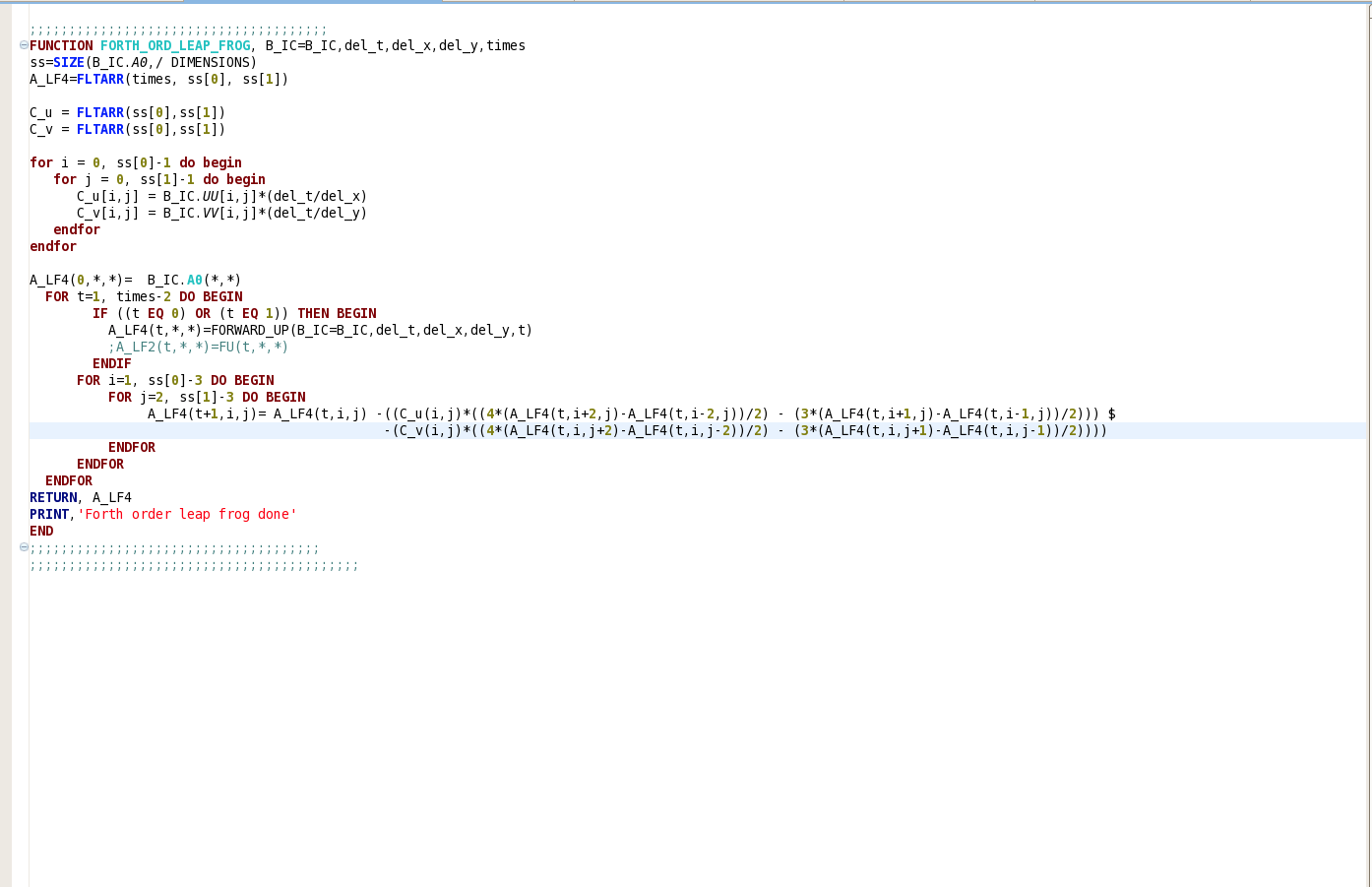
**SUB ROUTINE: FORWARD UP**

****

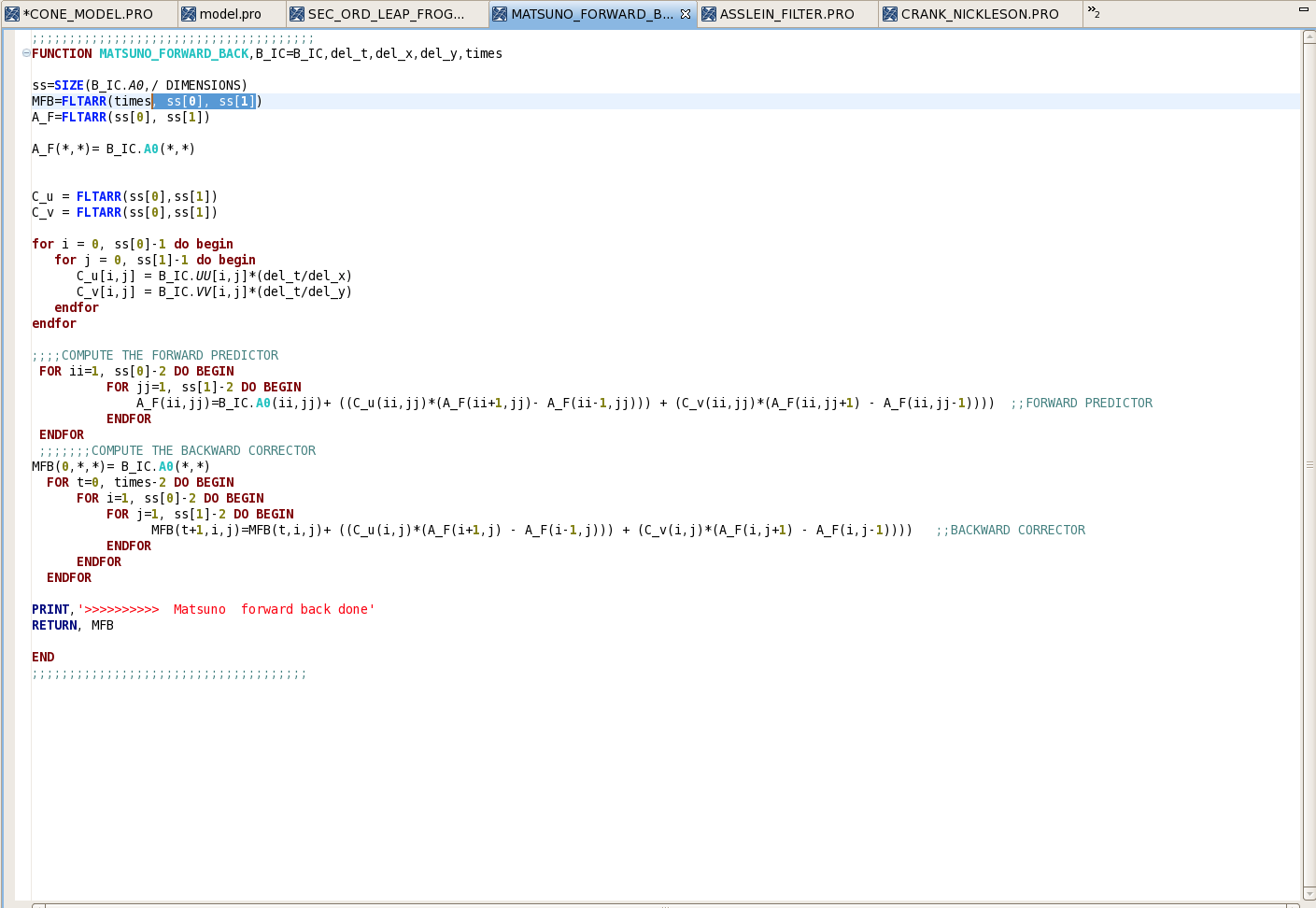
**SUB ROUTINE: SECOND ORDER LEAP FROG**

****

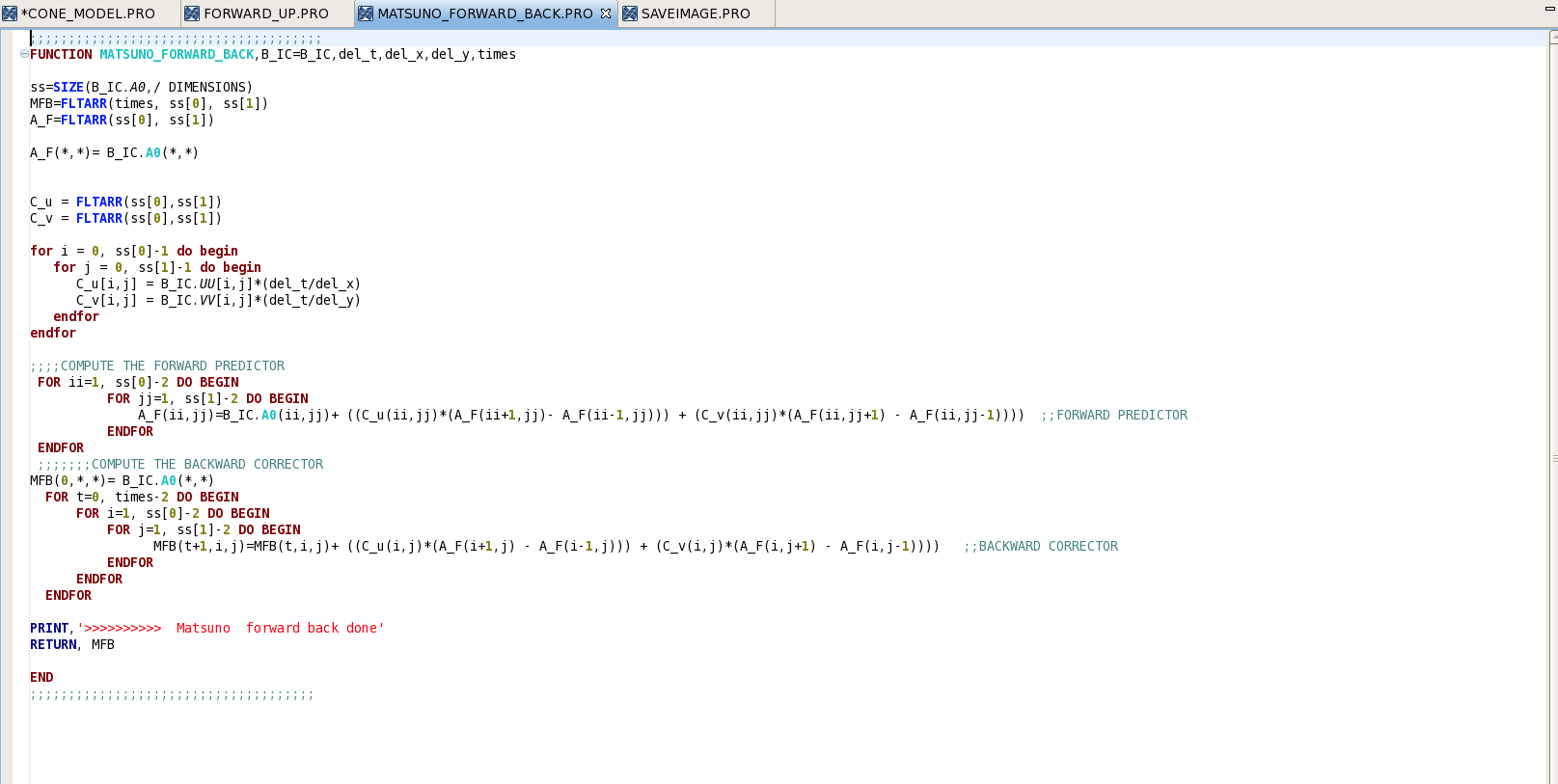
**SUB ROUTINE: FORTH ORDER LEAP FROG**

****

**SUB ROUTINE: MATSUNO**

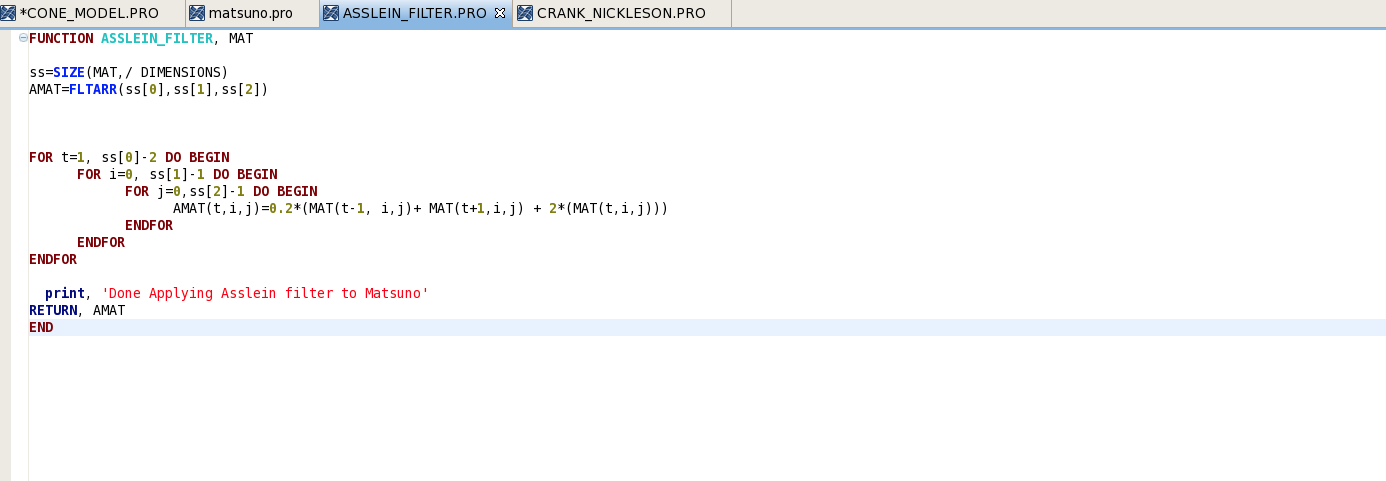
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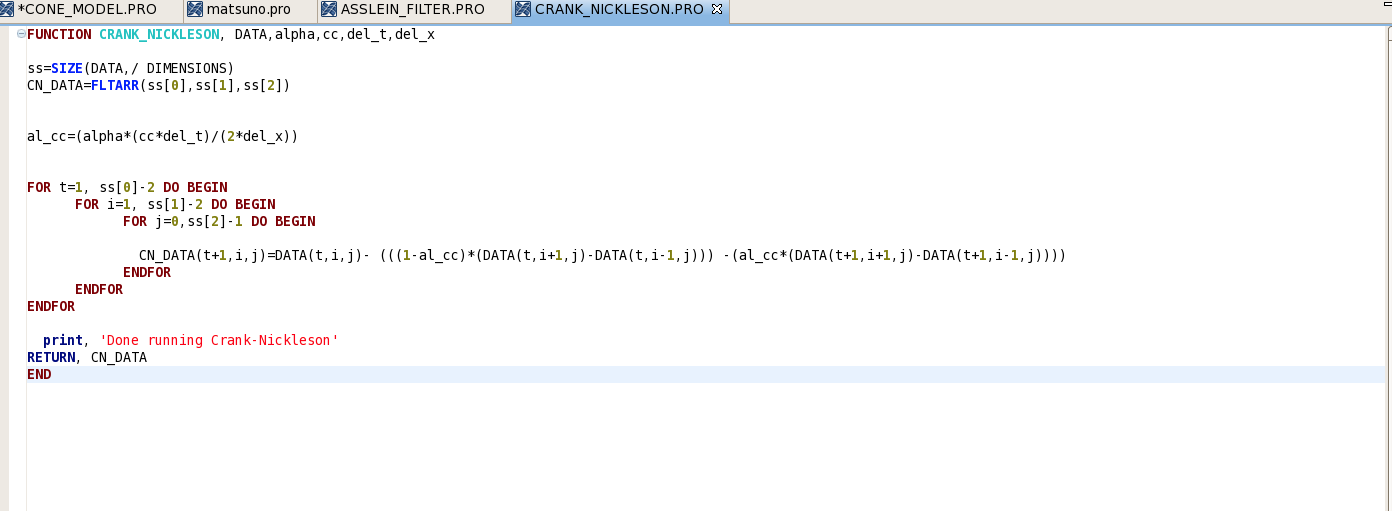
**SUB ROUTINE: MATSUNO-FORWARD-BACK**



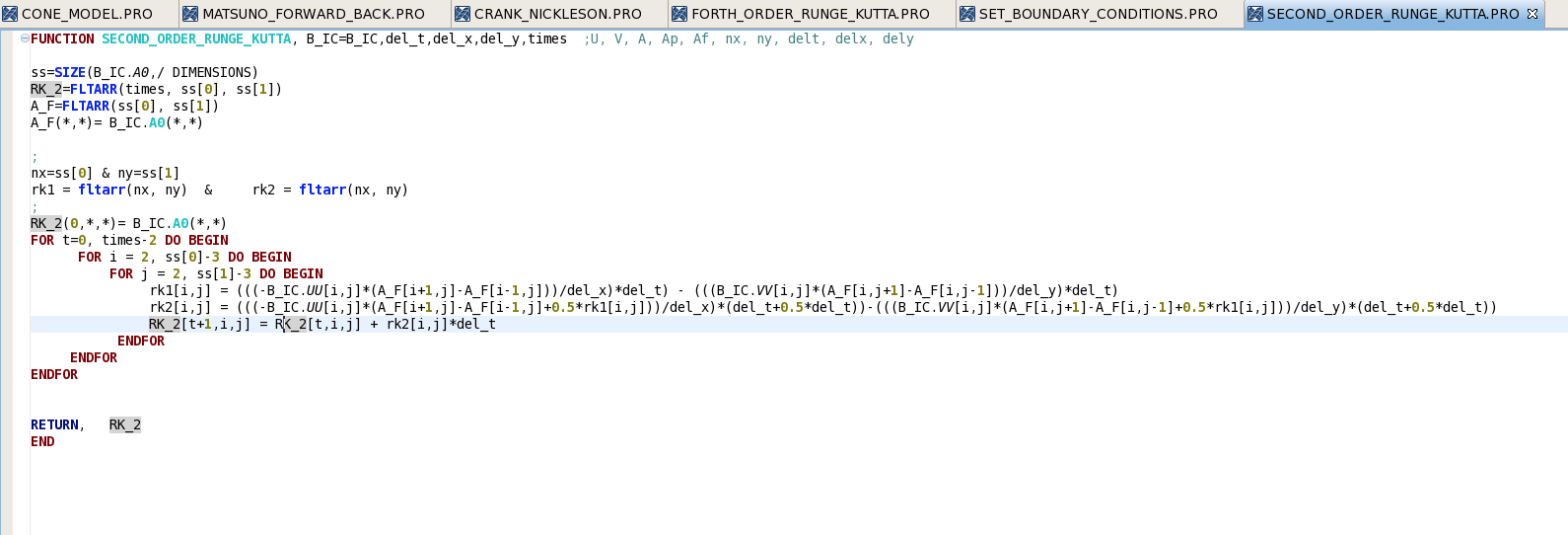
**FILETES BUB ROUTINES**

**SUB ROUTINE: ASSLEIN FILTER, GETS CALLED TWICE FOR THE TWO LEAP FROG SCHEMES.**

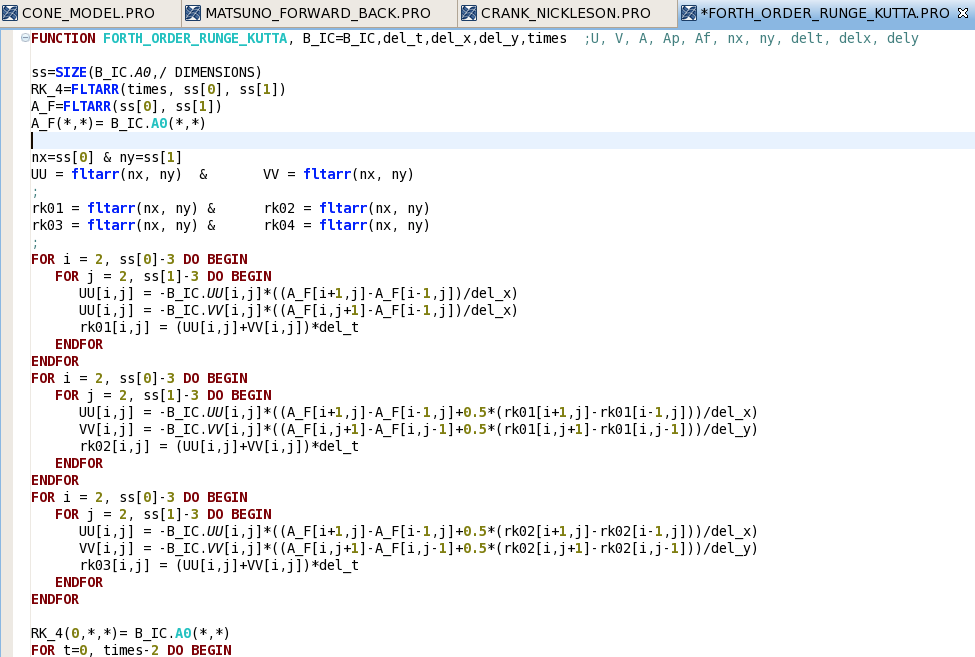


**SUB ROUTINE: CRANK NICKLESON**

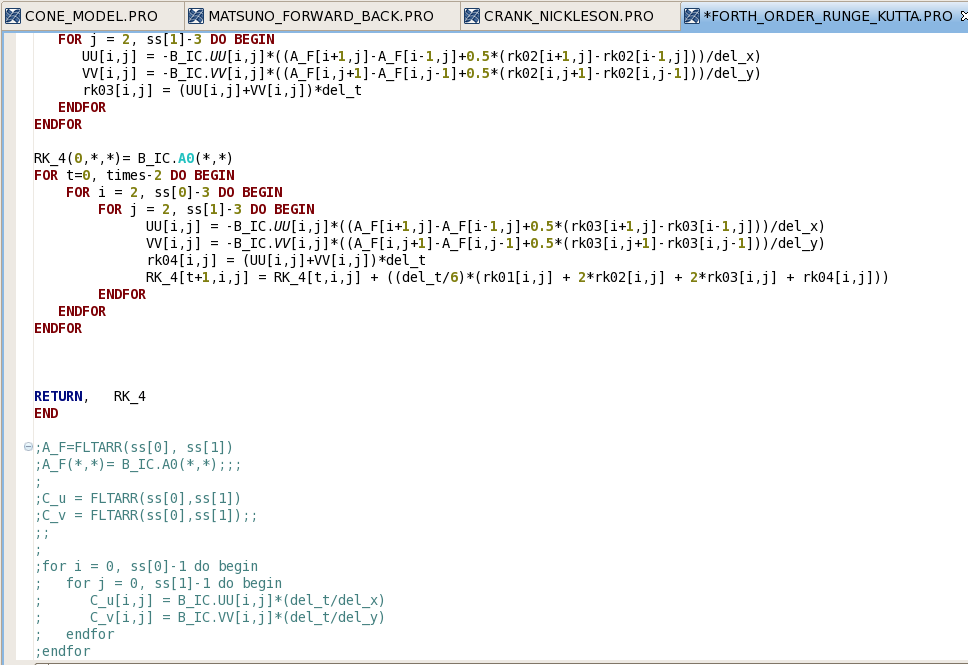
**SUB ROUTINE: SECOND ORDER RUNGE KUTTA**

****

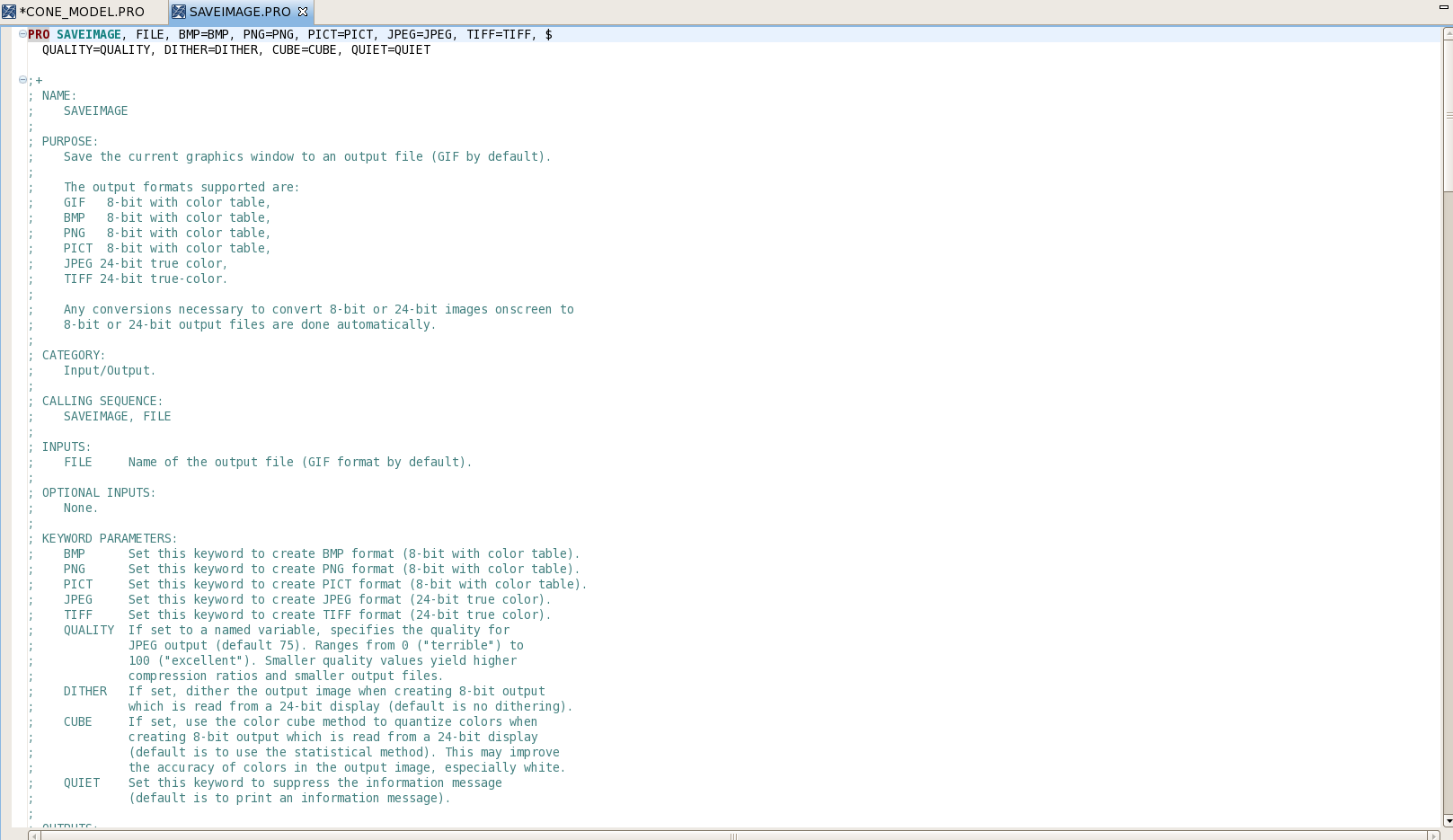
**SUB ROUTINE: FORTH ORDER RUNGE KUTTA**

****

**SUB ROUTINE: FORTH ORDER RUNGE KUTTA CONT ….**

****

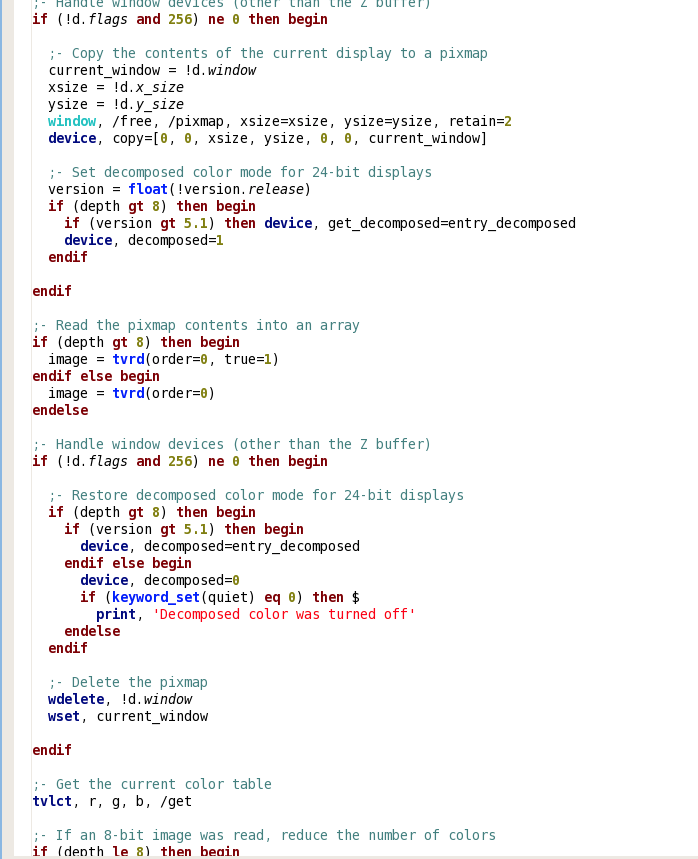
**SUB ROUTINE: MAKE IMAGES**

****

**SUB ROUTINE: SAVE IMAGES CONT……**

****

**SUB ROUTINE: SAVE IMAGES CONT……**



**SUB ROUTINE: SAVE IMAGES CONT……**

