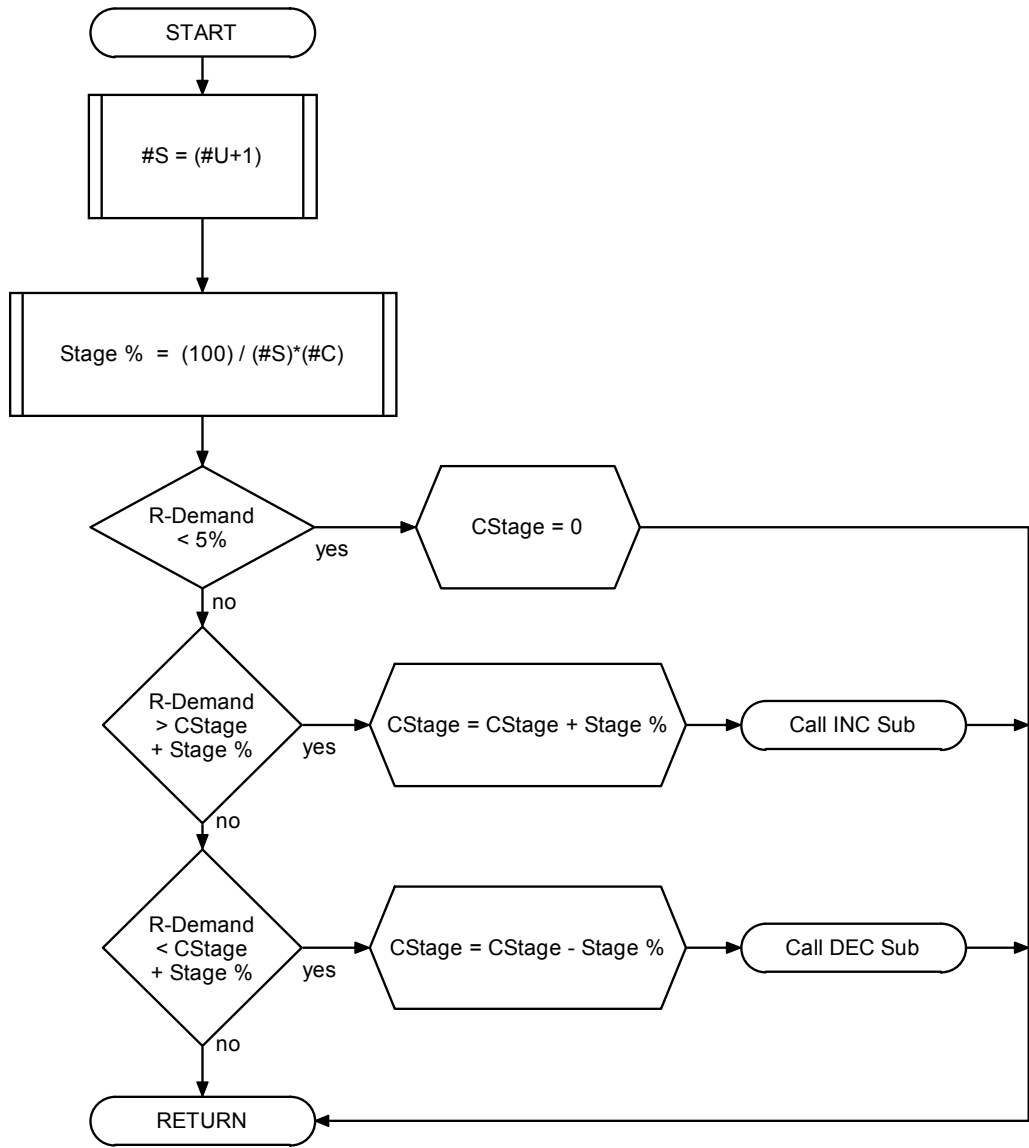


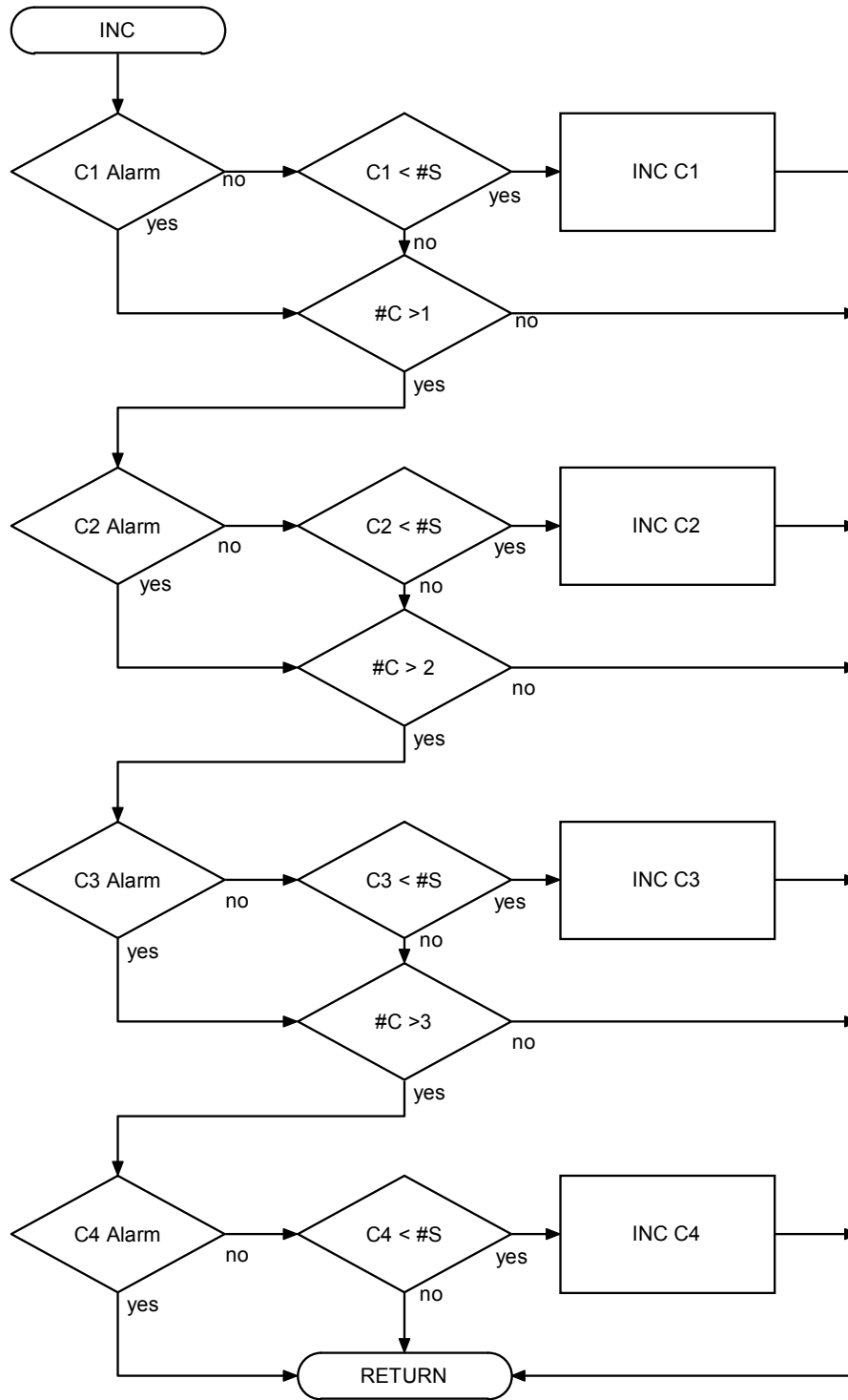
Compressor Staging Recip Compressors

#U = Number of unloaders
 #C = Number of compressors
 #S = Number of stages per compressor
 R-Demand = Refrigeration demand
 Stage % = 100 % divided by the number of stages
 CStage = Current stage value
 C1 = Compressor 1
 C2 = Compressor 2
 C3 = Compressor 3
 C4 = Compressor 4

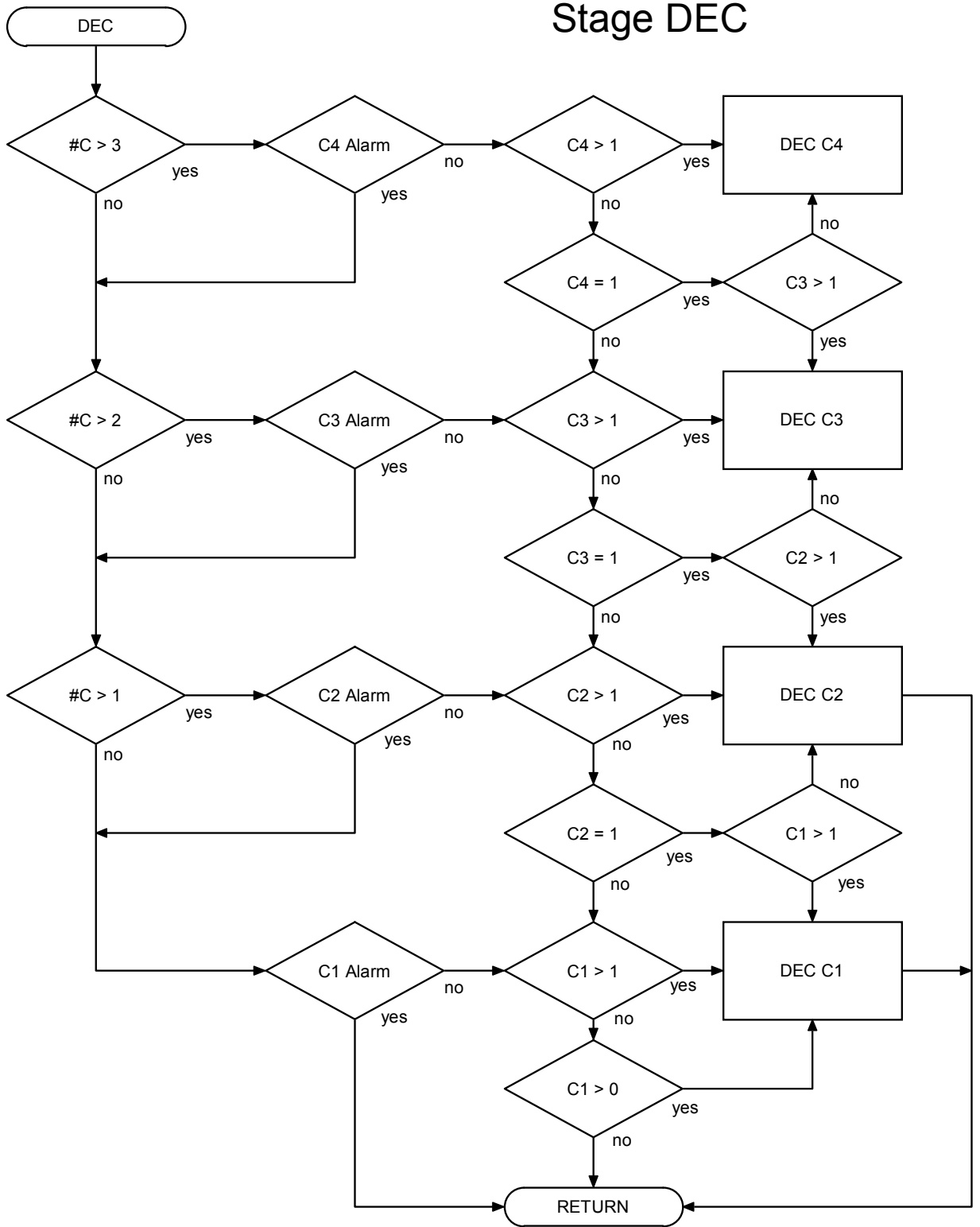
C1, C2, C3 & C4 are each a individual variable with up to five states. The states are as follows:
 0 = LLS and all unloaders OFF
 1 = LLS ON, all unloader OFF
 2 = LLS ON, one unloader ON
 3 = LLS ON, two unloaders ON
 4 = LLS ON, three unloaders ON



Stage INC



Stage DEC



Compressor Rotation

Compressor one will send out the SS string to all compressors on it network. In the SS string the variables C1,C2,C3 and C4 will be sent. Each of the cards will read its variable and turn on the LLS and unloaders according to the value. When a compressor rotation happens compressor one will change the order of the variables. Eaxample:

Lead = 1 Rotation C1,C2,C3,C4
Lead = 2 Rotation C2,C3,C4,C1
Lead = 3 Rotation C3,C4,C1,C2
Lead = 4 Rotation C4,C1,C2,C3

Each compressor will always use the designated variable. Compressor one will always use the first variable. Example if Lead = 3, compressor one will use the C3 variable. If Lead = 3 compressor two would use the C4 variable. If Lead = 3 compressor three would use the C1 variable. If Lead = 3 compressor four would use the C2 variable.