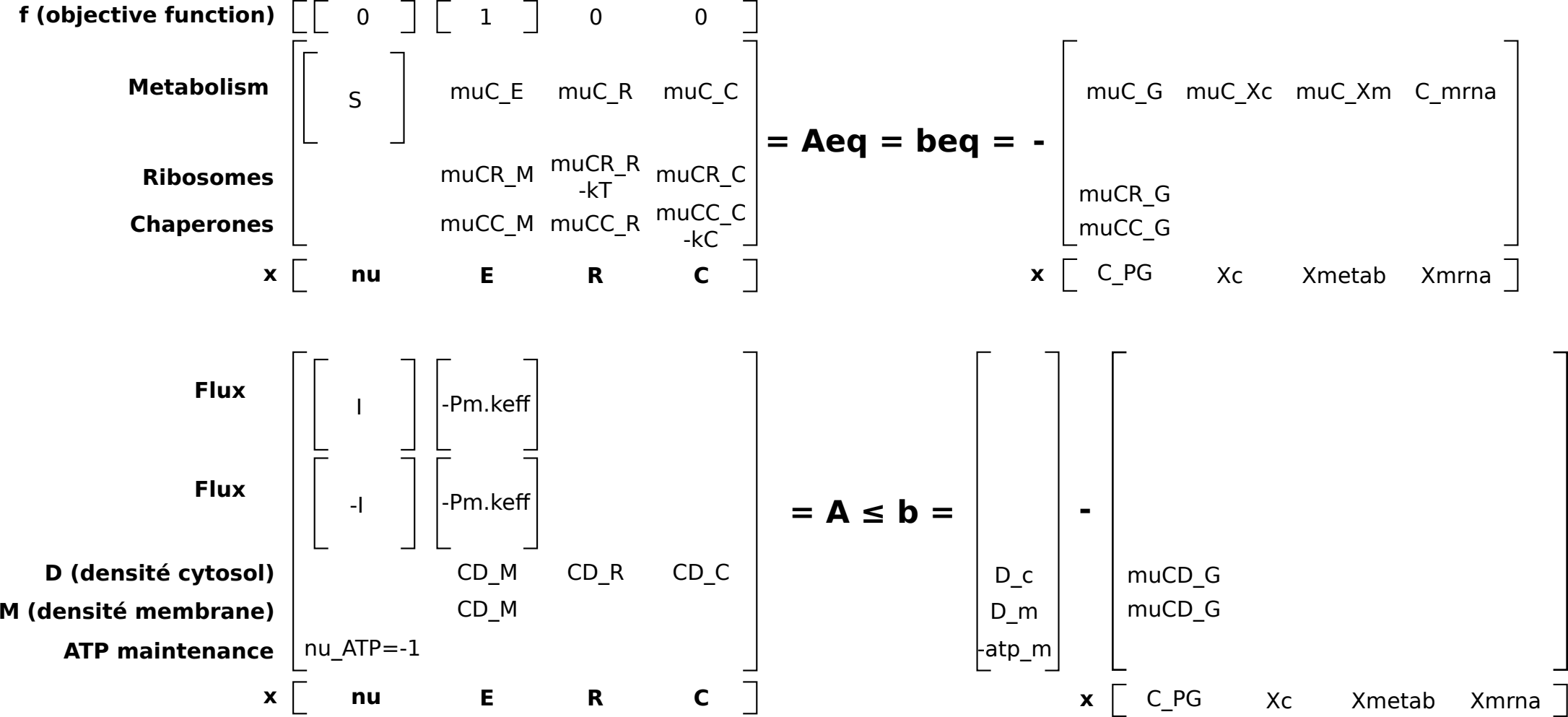
f (objective function)
0
1
0
0
Metabolism
S
muC_E
muC_R
muC_C
Ribosomes
muCR_M
muCR_R
-kT
muCR_C
Chaperones
muCC_M
muCC_R
muCC_C
-kC
= Aeq = beq = -
muC_G
muC_Xc
muC_Xm
C_mrna
muCR_G
muCC_G
x
nu
E
R
C
x
C_PG
Xc
Xmetab
Xmrna
Flux
I
-Pm.keff
Flux
-I
-Pm.keff
D (densité cytosol)
CD_M
CD_R
CD_C
M (densité membrane)
CD_M
ATP maintenance
nu_ATP=-1
= A ≤ b =
D_c
D_m
-atp_m
-
muCD_G
muCD_G
x
nu
E
R
C
x
C_PG
Xc
Xmetab
Xmrna