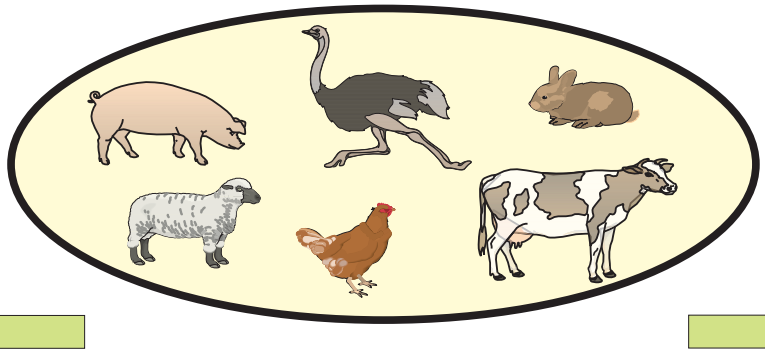
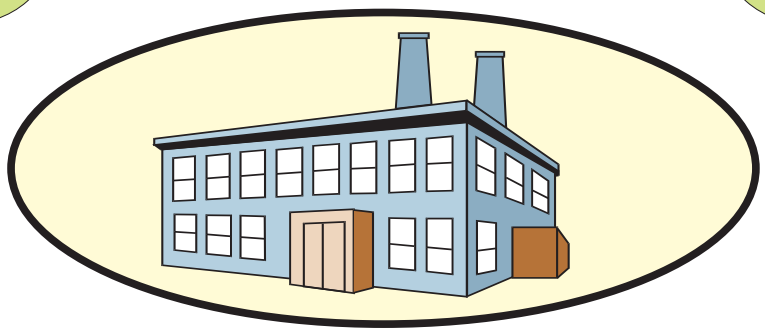
# MODELO REBANHO

$$\sum_{f,d}^{F,D}\left[\vec{f}(f_1,\ldots,f_n)\ominus\vec{d}(d_1,\ldots,d_n)\right]$$





$$\sum_{f,d}^{F,D}\left[\vec{f}(f_1,\ldots,f_n)\ominus\vec{p}(p_1,\ldots,p_n)\right]$$

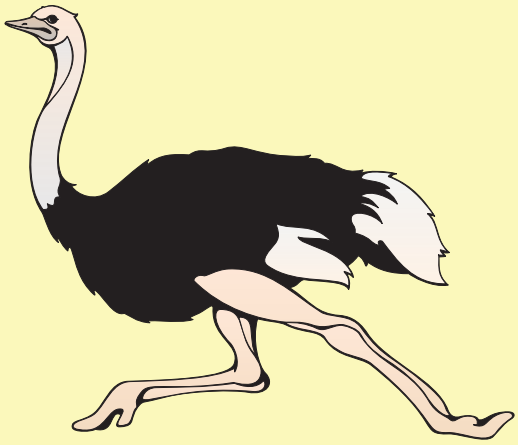
# PADRONIZANDO MASSAS

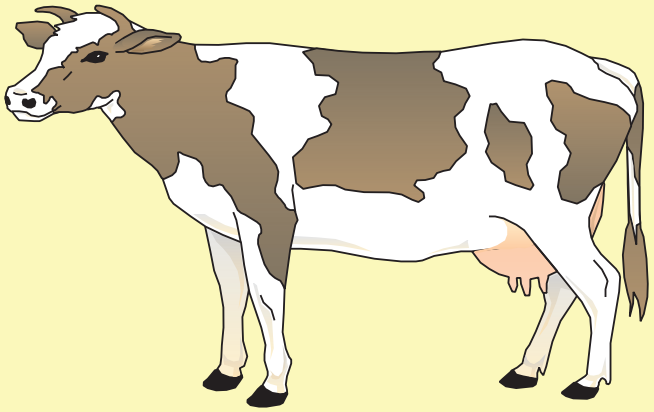
Prof. Aguinaldo Prandini Ricieri

# Rotina Computacional do Programa Rebanho

C:\ATIVOS\USD\Rebanho\Projeto\Rebanho_DFIXO.f90

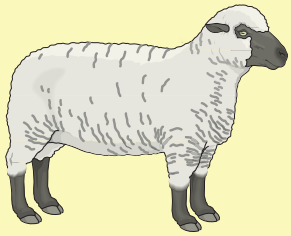
```
$debug
Program rebanho !d fixo /Prandiano

INCLUDE 'link_f90_static.h'
implicit real*8 (a-h,o-z)
integer c,f,p,v,Ccap,Fcap,Pcap
parameter (Ccap=30,Dcap=5,Fcap=97,Pcap=5,Vcap=30)
parameter(ncon=2*(Fcap-90)+Vcap*Pcap+Vcap*(Fcap-90)+Ccap*Dcap+Pcap,
ndv=Vcap*Pcap*(Fcap-90)+Ccap*Dcap*(Fcap-90))
integer mapXsol(ndv,3),mapG(10)
real*8 NCV(30),NCC(30),NUCA(7),NUFI(5)
real*8 A(ncon,ndv),Bl(ncon),Bu(ncon),cobj(ndv),DIC(30),DIV(30)
real*8 Avector(ncon*ndv)
integer irow(ncon*ndv),jcol(ncon*ndv)
integer dfixo(Ccap),IvarDfixo(ndv)
real*8 g(ncon),xsol(ndv),xsoltry(ndv),TVAC(30),TVAV(30)
real*8 Istar
logical ans
character tipoG(5)*60
open(6,file='Lixo')
open(10,file='SaidaRebanho.txt')

data tipoG/'DEMANDA DIARIA','CAPACIDADE DE FORNECIMENTO DE FILHOTES',&
           'PONDERAÇÃO DAS DISTANCIAS DAS GRANJAS AO FRIGORÍFICO',&
           '!GRANJAS DESALOJADAS APENAS UMA VEZ','!GRANJAS ALOJADAS
            APENAS UMA VEZ'/
data Istar/93/
data NUCA/44000,30000,50000,40000,50000,45000,40000/
data NUFI/20000,20000,30000,40000,25000/
data NCC/4000,5000,6000,8000,5000, &
         4000,5000,9000,2000,7000, &
         6000,5000,4000,5000,6000, &
         9000,5000,6000,2000,8000, &
         9000,7000,6000,8000,9000, &
         5000,4000,5000,7000,8000/
data DIC/42,50,60,80,12, &
         48,85,77,90,82, &
         85,42,27,36,42, &
         81,73,54,62,51, &
         39,96,27,98,13, &
         44,85,72,80,76/
data NCV/2000,1000,6000,2000,1000, &
         5000,6000,7000,3000,5000, &
         1000,4000,3000,2000,4000, &
         6000,7000,5000,6000,5000, &
         4000,9000,2000,1000,6000, &
         3000,4000,3000,6000,5000/
data DIV/72,80,70,60,50, &
         40,80,36,97,52, &
         88,90,78,65,78, &
         44,26,82,50,42, &
         50,38,40,88,52, &
         60,70,80,90,88/
data TVAC/2,3,1,1,2, &
         3,1,4,3,2, &
         1,3,4,3,2, &
         1,3,2,1,4, &
         3,2,1,5,1, &
         2,3,1,3,4/

data TVAV/5,4,3,5,4, &
         2,1,4,3,5, &
         3,4,5,3,2, &
         4,3,2,4,3, &
         1,3,3,4,3, &
         4,5,5,4,3/
data dfixo/5,3,2,1,2, &
           4,2,5,5,3, &
           2,3,5,4,3, &
           2,1,4,3,2, &
           5,4,3,2,2, &
           3,4,5,3,1/

nvar=0
```



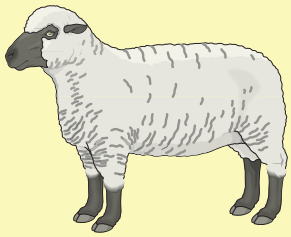


# Resultados Computacionais/Rebanho para - d Fixo e $I^* = 93$

C:\ATIVOS\USD\Rebanho\Projeto\VS\SaidaRebanho.txt



FUNÇÃO OBJETIVO
OBJ= 253.0



GRANJAS VAZIAS

| Granjas | Variável | Variável | Cabeças |
|---|---|---|---|
| v | p | f | NCV |
| 1 | 3 | 91 | 2000 |
| 2 | 4 | 93 | 1000 |
| 3 | 5 | 94 | 6000 |
| 4 | 3 | 95 | 2000 |
| 5 | 5 | 94 | 1000 |
| 6 | 4 | 96 | 5000 |
| 7 | 1 | 97 | 6000 |
| 8 | 4 | 91 | 7000 |
| 9 | 2 | 92 | 3000 |
| 10 | 3 | 94 | 5000 |
| 11 | 3 | 93 | 1000 |
| 12 | 4 | 93 | 4000 |
| 13 | 3 | 97 | 3000 |
| 14 | 5 | 95 | 2000 |
| 15 | 4 | 95 | 4000 |
| 16 | 5 | 91 | 6000 |
| 17 | 4 | 97 | 7000 |
| 18 | 4 | 95 | 5000 |
| 19 | 4 | 91 | 6000 |
| 20 | 5 | 94 | 5000 |
| 21 | 3 | 93 | 4000 |
| 22 | 1 | 91 | 9000 |
| 23 | 3 | 93 | 2000 |
| 24 | 4 | 93 | 1000 |
| 25 | 3 | 92 | 6000 |
| 26 | 1 | 94 | 3000 |
| 27 | 3 | 91 | 4000 |
| 28 | 2 | 93 | 3000 |
| 29 | 2 | 93 | 6000 |
| 30 | 5 | 92 | 5000 |