TETI-DP
$$\begin{pmatrix}
0 & B_{P} & B_{R} \\
B_{P}^{T} & K_{PP} & K_{PR} \\
B_{E}^{T} & K_{PP} & K_{PR}
\end{pmatrix}
\begin{pmatrix}
\lambda \\
\mu_{P} \\
\mu_{R}
\end{pmatrix} = \begin{pmatrix}
d \\
f_{P} \\
f_{R}
\end{pmatrix}, K_{PR} = K_{RP}^{T}$$

$$B_{P} & K_{PP} & K_{PR} & H_{RR} & H_{$$

fp

Finally, we introduce (6) and (7) in (1)

Bp Spp fp + Bp Spp (Kpr Krr Br - Bp) >

+ Br Krr (I+Krp Spp Kpr Krr) fr - Krp Spp fp)

-Br Krr (Krp Spp (Kpr Krr Br - Bp) + Br) = d

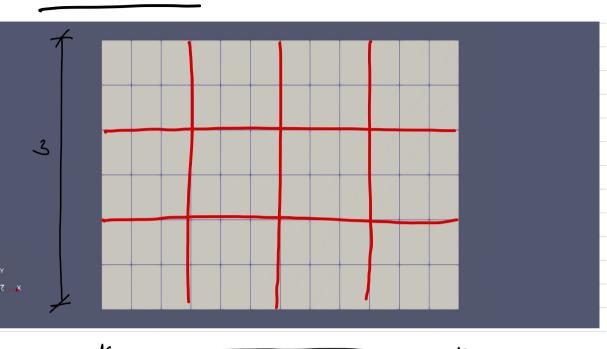
Br Krr (Krp Spp (Kpr Krr Br - Bp) + Br)

That we write as $F = \bar{d}$, where

F = BR KRR BR + BR KRR KRP SPP KPR KRR BR + Bp Spp BP - Bp Spp KPR KRR BR - BR KRR KRP Spp Bp

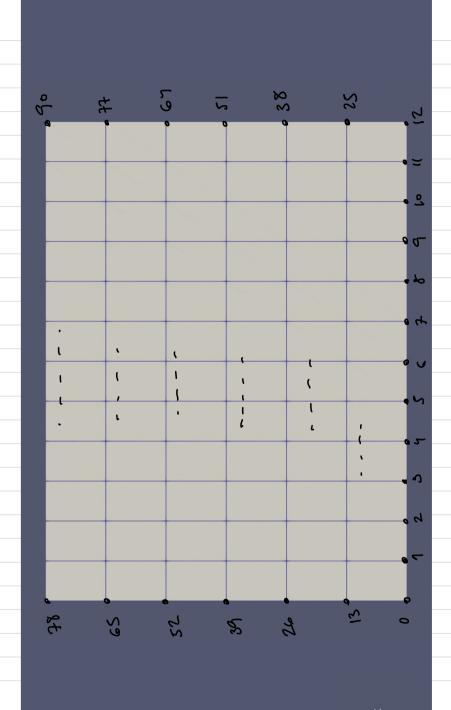
d=-d+(Bp-BrKrrKrr)Sppfp+BrKrrfr

TEST PROBLEM

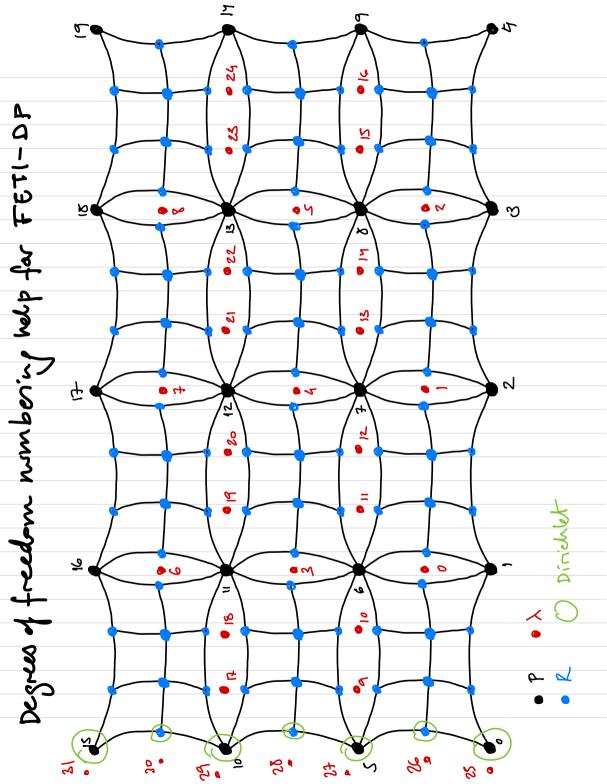


where
$$f = \frac{1}{2}$$

from 1 (bottom) to 2 (top)



<u>≻</u> N

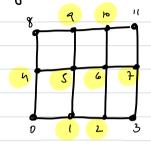


hist of files provided

- fr. dat: night-hand side vector Frests ded

to only the remainder dofs , a single subdomain,

i.e., to degrees of freedom

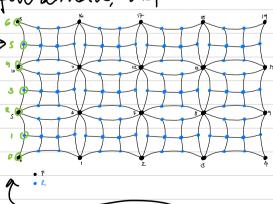


- bed k. dat: stiff ress metax of subdomein 9 referred to the 12 days in

- ft. dat: right-hand side vector Frestricted

to primal dofs of the full domain, i.e.

to the black ones ->s



- didet: Dirichlet romes approciated to the o

- solution. det: Poblem's solution associated to the 91 nodes -

