



```

i=1:Nx-1; j=1:Ny-1;
k=bijF(i', j, nx); % tableau dim. (Nx-1,Ny-1)
k=k(:); % vecteur ligne
Ne=numel(k);
Ig=[];Jg=[];Kg=[];
Ig = [Ig, k]; Jg = [Jg, k]; Kg = [Kg, mu*ones(1,Ne)];
Ig = [Ig, k]; Jg = [Jg, k-1]; Kg = [Kg, betax*ones(1,Ne)];
Ig = [Ig, k]; Jg = [Jg, k+1]; Kg = [Kg, betax*ones(1,Ne)];
Ig = [Ig, k]; Jg = [Jg, k-nx]; Kg = [Kg, betay*ones(1,Ne)];
Ig = [Ig, k]; Jg = [Jg, k+nx]; Kg = [Kg, betay*ones(1,Ne)];
A=sparse(Ig,Jg,Kg,N,N);
F=f(x(i+1)',y(j+1));
b(k)=F(:);

```

```

i=1:Nx-1; j=1:Ny-1;
k=bijF(i', j, nx); % tableau dim. (Nx-1,Ny-1)
k=k(:); % vecteur ligne
Ne=numel(k);
Ig=[k,k,k,k,k];
Jg=[k,k-1,k+1,k-nx,k+nx];
Kg=ones(Ne,1)*[mu,betax,betax,betay,betay];Kg=Kg(:);
A=sparse(Ig,Jg,Kg,N,N);
F=f(x(i+1)',y(j+1));
b(k)=F(:);

```

```

i=1:Nx-1; j=1:Ny-1;
k=bijF(i', j, nx); % tableau dim. (Nx-1,Ny-1)
k=k(:); % vecteur colonne
Ne=numel(k);
Ig=repmat(k,[1,5]);
Jg=I+[0,-1,1,-nx,nx];
Kg=ones(Ne,1)*[mu,betax,betax,betay,betay];
A=sparse(Ig(:,Jg(:,Kg(:,N,N));
F=f(x(i+1)',y(j+1));
b(k)=F(:);

```