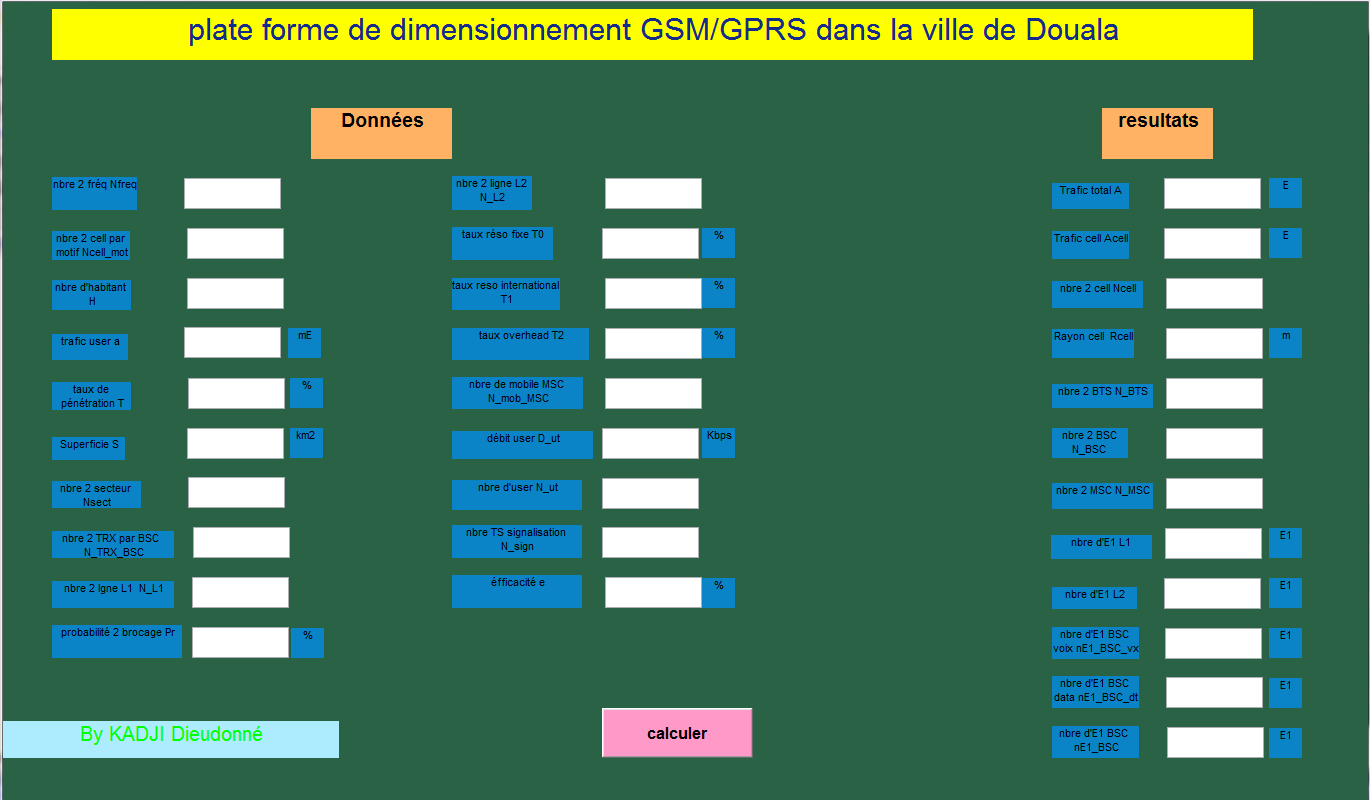
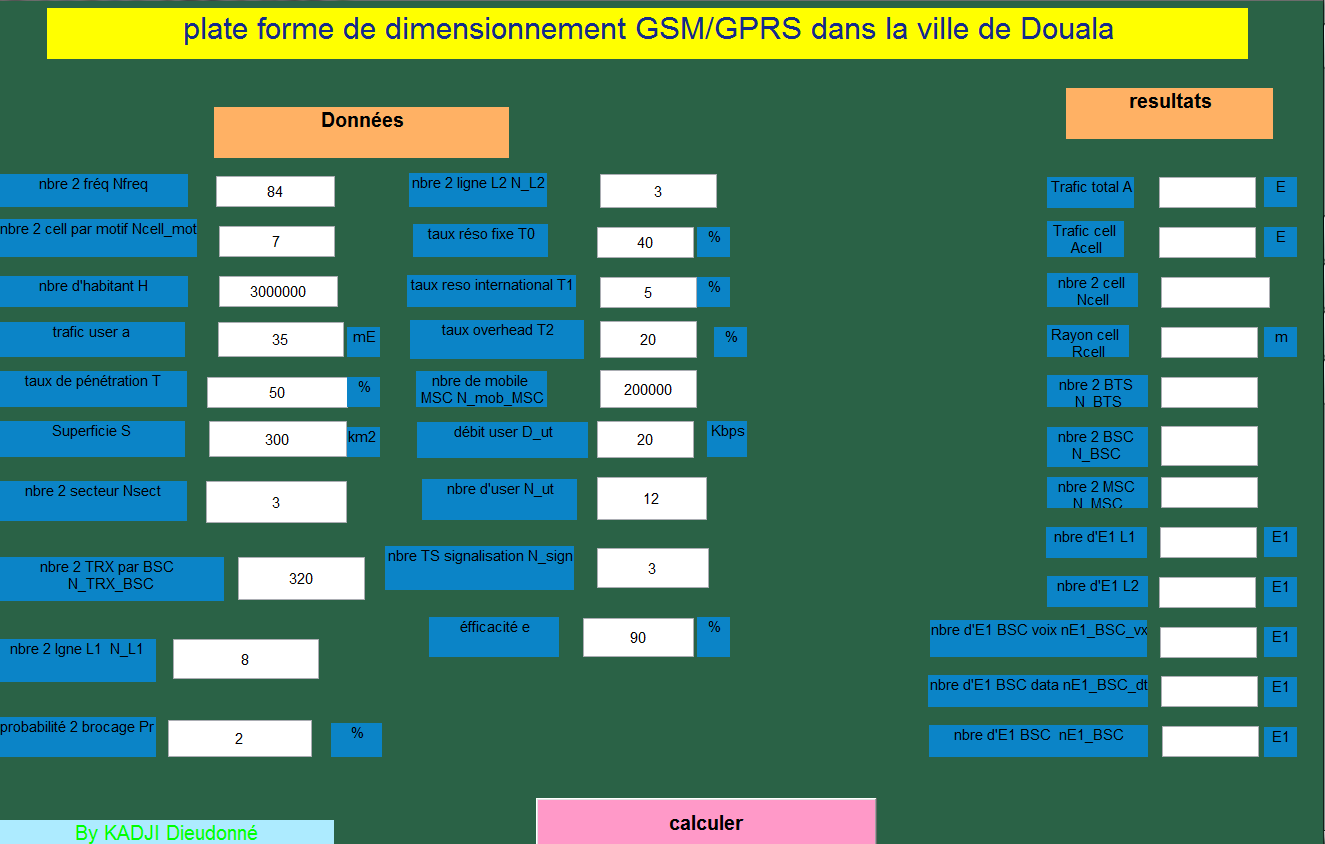
**Compte rendu du projet 9 sur le Dimensionnement du Réseau GSM/GPRS/ d’Interconnexion  dans la ville de Douala**

**Capture de la plate forme de dimensionnement**

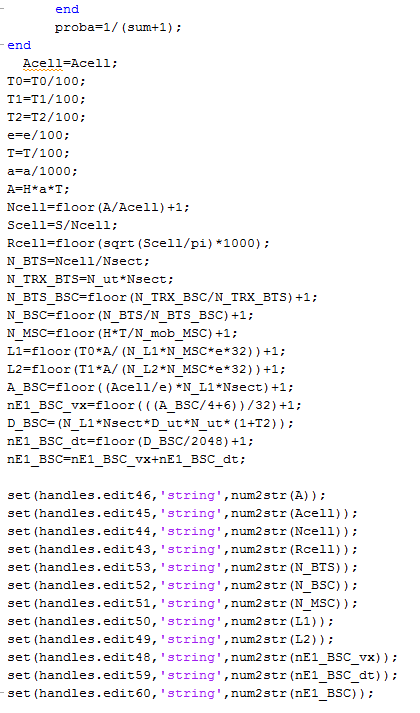


**Capture de la plate forme avec les données entrées**



**Capture du programme de dimensionnement**





**Programme de dimensionnement modifiable**

Nfreq=eval(get(handles.edit23,'string'));

Ncell\_mot=eval(get(handles.edit28,'string'));

H=eval(get(handles.edit29,'string'));

a=eval(get(handles.edit30,'string'));

T=eval(get(handles.edit31,'string'));

S=eval(get(handles.edit32,'string'));

Nsect=eval(get(handles.edit35,'string'));

N\_TRX\_BSC=eval(get(handles.edit34,'string'));

N\_L1=eval(get(handles.edit55,'string'));

N\_L2=eval(get(handles.edit36,'string'));

T0=eval(get(handles.edit37,'string'));

T1=eval(get(handles.edit38,'string'));

T2=eval(get(handles.edit39,'string'));

N\_mob\_MSC=eval(get(handles.edit40,'string'));

D\_ut=eval(get(handles.edit41,'string'));

N\_ut=eval(get(handles.edit42,'string'));

N\_sign=eval(get(handles.edit56,'string'));

e=eval(get(handles.edit57,'string'));

Pr=eval(get(handles.edit58,'string'));

Nfreq\_cell=Nfreq/Ncell\_mot;

N\_PDCH\_ut=floor(D\_ut/13)+1;

N=(Nfreq\_cell\*8-(N\_sign+N\_PDCH\_ut\*N\_ut));

proba=1;

Pr=Pr;

Acell=N;

proba=1;

while (proba>Pr/100)

Acell=Acell-0.01;

sum=0;

for n=1:N

k=0;

prod=1;

while(k<n)

prod=prod\*((N-k)/Acell);

k=k+1;

end

sum=sum+prod;

end

proba=1/(sum+1);

end

Acell=Acell;

T0=T0/100;

T1=T1/100;

T2=T2/100;

e=e/100;

T=T/100;

a=a/1000;

A=H\*a\*T;

Ncell=floor(A/Acell)+1;

Scell=S/Ncell;

Rcell=floor(sqrt(Scell/pi)\*1000);

N\_BTS=Ncell/Nsect;

N\_TRX\_BTS=N\_ut\*Nsect;

N\_BTS\_BSC=floor(N\_TRX\_BSC/N\_TRX\_BTS)+1;

N\_BSC=floor(N\_BTS/N\_BTS\_BSC)+1;

N\_MSC=floor(H\*T/N\_mob\_MSC)+1;

L1=floor(T0\*A/(N\_L1\*N\_MSC\*e\*32))+1;

L2=floor(T1\*A/(N\_L2\*N\_MSC\*e\*32))+1;

A\_BSC=floor((Acell/e)\*N\_L1\*Nsect)+1;

nE1\_BSC\_vx=floor(((A\_BSC/4+6))/32)+1;

D\_BSC=(N\_L1\*Nsect\*D\_ut\*N\_ut\*(1+T2));

nE1\_BSC\_dt=floor(D\_BSC/2048)+1;

nE1\_BSC=nE1\_BSC\_vx+nE1\_BSC\_dt;

set(handles.edit46,'string',num2str(A));

set(handles.edit45,'string',num2str(Acell));

set(handles.edit44,'string',num2str(Ncell));

set(handles.edit43,'string',num2str(Rcell));

set(handles.edit53,'string',num2str(N\_BTS));

set(handles.edit52,'string',num2str(N\_BSC));

set(handles.edit51,'string',num2str(N\_MSC));

set(handles.edit50,'string',num2str(L1));

set(handles.edit49,'string',num2str(L2));

set(handles.edit48,'string',num2str(nE1\_BSC\_vx));

set(handles.edit59,'string',num2str(nE1\_BSC\_dt));

set(handles.edit60,'string',num2str(nE1\_BSC)

**Capture de la plate avec les résultats affichés**

