

```

probcon22(pa,a,pba,b,pbna):= {
local pna,pnba,pnbna,paib,painb,pnaib,pnainb,pb,pnb,pab,panb,
pnab,pnanb,A,NA,BA,NBA,BNA,NBNA,PA,PNA,PBA,PNBA,PBNA,
PNBNA,LA,LNA,LBA,LNBA,LBNA, LNBNA,LAIB,LAINB,LNAIB,LNAINB;
pna:=1-pa;
pnba:=1-pba;
pnbna:=1-pbna;
paib:=pa*pba;
painb:=pa*pnba;
pnaib:=pna*pbna;
pnainb:=pna*pnbna;
pb:=paib+pnaib;
pnb:=1-pb;
pab:=paib/pb;
panb:=painb/pnb;
pnab:=pnaib/pb;
pnainb:=pnainb/pnb;
print("La probabilit  de " +b+" vaut " +pb);
print(" La probabilit  de " +a+" sachant " +b+" vaut " +pab);
print(" La probabilit  de " +a+" sachant non-" +b+" vaut " +pnab);
print(" La probabilit  de non-" +a+" sachant " +b+" vaut " +pnainb);
print(" La probabilit  de non-" +a+" sachant non-" +b+" vaut " +pnainb);
A:=point(1,1);NA:=point(1,-1);BA:=point(2,1.5);NBA:=point(2,0.5);BNA:=po
PA:=segment(point(0,0),A);
PNA:=segment(point(0,0),NA);
PBA:=segment(A,BA);
PNBA:=segment(A,NBA);
PBNA:=segment(NA,BNA);
PNBNA:=segment(NA,NBNA);
LA:=legende(0.5*A, "p(" +a+" )=" +pa);LNA:=legende(0.5*NA, "p(non-" +a+" )=" +pn
LBA:=legende(0.5*(BA+A), "p(" +b+" /" +a+" )=" +pba);
LNBA:=legende(0.5*(NBA+A), "p(non-" +b+" /" +a+" )=" +pnba);
LBNA:=legende(0.5*(BNA+NA), "p(" +b+" /non-" +a+" )=" +pbna);
LNBNA:=legende(0.5*(NBNA+NA), "p(non-" +b+" /non-" +a+" )=" +pnbna);
LAIB:=legende(BA, "p(" +a+" ET " +b+" )=" +paib);LAINB:=legende(NBA, "p(" +a+"
LNAIB:=legende(BNA, "p(non-" +a+" ET " +b+" )=" +pnaib);
LNAINB:=legende(NBNA, "p(non-" +a+" ET non-" +b+" )=" +pnainb);
PA,PNA,PBA,PNBA,PBNA,PNBNA,LA,LNA,LBA, LNBNA,LBNA, LNBA,LAIB,LAINB,LNAIB,L
};

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2 probcon22(3/5,"V",3/4,"D",2/3)

"La probabilit  de D vaut 43/60"
 " La probabilit  de V sachant D vaut 27/43"
 " La probabilit  de V sachant non-D vaut 9/17"
 " La probabilit  de non-V sachant D vaut 16/43"
 " La probabilit  de non-V sachant non-D vaut 8/17"

