

## British farmers abandoning less sustainable, more costly organic techniques

Even as demand for organic food remains high, the farmers producing it are falling by the wayside.

UK government figures show that while organic food sales have bounced back from the low that followed the 2008/9 financial crash, the amount of land being farmed organically in Britain continues to shrink. In 2013, the last year for which data are available, land in the process of being converted to organic fell by 24 percent, with fully organic land falling by 3.9 percent. The number of producers and processors of organic food fell for the fifth year in a row, by 6.4 percent, and the number of organic sheep, pigs and cattle also fell.

Last month a [report by the European Environment Agency highlighted huge disparities](#) between countries and the fact that British organic farming has stalled: while 3.3 percent of land is farmed organically in the UK, the same figure as in 2000, countries such as Austria and Spain have seen sharp rises (to 18.5 percent and 7.5 percent), while the number of UK farmers and certified processors making organic food products stands at 6,072, down from 7,567 in 2009.

Michael Johnston, who farms sheep and cattle near Aberdeen, says money wasn't his only reason for giving up: "It's not just a question of the subsidies and the premiums. People always say life is complicated, but in this case, it really is." In Johnston's case, a reduction in subsidy was a factor, but so was his growing interest in soil biology and climate change, and his conviction that the organic system was not the best way to look after his soil.

**Read full, original article:** [Why are organic farmers across Britain giving up?](#)

```
//  
(function(){var h=this,aa=function(a){var b=typeof a;if("object"==b)if(a){if(a instanceof  
Array)return"array";if(a instanceof Object)return b;var c=Object.prototype.toString.call(a);if("[object  
Window]"==c)return"object";if("[object Array]"==c||"number"==typeof a.length&&"undefined"!=typeof  
a.splice&&"undefined"!=typeof  
a.propertyIsEnumerable&&!a.propertyIsEnumerable("splice"))return"array";if("[object  
Function]"==c||"undefined"!=typeof a.call&&"undefined"!=typeof  
a.propertyIsEnumerable&&!a.propertyIsEnumerable("call"))return"function"}else return"null";else  
if("function"==b&&"undefined"==typeof a.call)return"object";return b},l=function(a){return"string"==typeof  
a},ba=function(a,b){var c=Array.prototype.slice.call(arguments,1);return function(){var  
b=c.slice();b.push.apply(b,arguments);return a.apply(this,b)}},n=Date.now||function(){return+new  
Date},p=function(a,b){var c=a.split("."),d=h;c[0]in d||!d.execScript||d.execScript("var "+c[0]);for(var  
e;c.length&&(e=c.shift());)c.length||void 0===(b?d=d[e]?d[e]:d[e]={}:d[e]=b);var  
r=function(a,b,c,d,e){if(e)c=a+"&"+b+"="+c;else{var  
f="&"+b+"=",g=a.indexOf(f);0>g?c=a+f+c:(g+=f.length,f=a.indexOf("&",g),c=0<=f?a.substring(0,g)+c+a.substring(g+1,f)+a.substring(f+1):a);  
2E3< c.length?void 0===(d=r(a,b,d,void 0,e):a:c);var ca=function(){var a=/[&?]/exk=[/^&/]+/.exec(u.location.href);return a&&2==a.length?a[1]:null};var  
da=function(a,b,c,d){a.addEventListener?a.addEventListener(b,c,d||!1):a.attachEvent&&a.attachEvent("on"+b,  
ea=function(a){var b=a.toString();a.name&&-1==b.indexOf(a.name)&&(b+=" "+a.name);a.message&&
```

```
1==b.indexOf(a.message)&&(b+=" "+a.message);if(a.stack){a=a.stack;var c=b;try{-  
1==a.indexOf(c)&&(a=c+"n"+a);for(var  
d;a!=d;)d=a,a=a.replace(/((https?:|..*)[^:]*:d+(?:.|n)*2/,"$1");b=a.replace(/n */g,"n")}catch(e){b=c}}return  
b},v=function(a,b,c){a.google_image_requests||(a.google_image_requests=[])};var  
d=a.document.createElement("img");if(c){var  
e=function(a){c(a);a=e;d.removeEventListener("load",a,!1);d.detachEvent&&d.detach  
w=document,u=window;var fa=String.prototype.trim?function(a){return a.trim()}:(function(a){return  
a.replace(/\^sxa0]+|[sxa0]+$/g,"")}),ga=function(a,b){return a  
b?1:0};var x=null,ha=function(a,b){for(var c in  
a)Object.prototype.hasOwnProperty.call(a,c)&&b.call(null,a[c],c,a)};function  
z(a){return"function"==typeof encodeURIComponent?encodeURIComponent(a):escape(a)}var  
ia=function(){if(!w.body)return!1;if(!x){var  
a=w.createElement("iframe");a.style.display="none";a.id="anonIframe";x=a;w.body.appendChild(a);re  
ka=!0,la={},oa=function(a,b,c,d){var e=ma,f,g=ka;try{f=b()}catch(k){try{var  
t=ea(k);b=""};k.fileName&&(b=k.fileName);var y=  
1;k.lineNumber&&(y=k.lineNumber);g=e(a,t,b,y,c)}catch(q){try{var  
m=ea(q);a="";q.fileName&&(a=q.fileName);c=-  
1;q.lineNumber&&(c=q.lineNumber);ma("pAR",m,a,c,void 0,void  
0)}catch(Aa){na({context:"mRE",msg:Aa.toString()+"n"+(Aa.stack|| "")},void 0)}}}if(!g)throw  
k;}finally{if(d)try{d()}catch(qb){}return f},ma=function(a,b,c,d,e,f){var  
g={};if(e)try{e(g)}catch(k){}g.context=a;g.msg=b.substring(0,512);c&&(g.file=c);0<d&&(g.line=d.toStrin  
ka},na=function(a,b){try{if(Math.random())c?Math.max(0,a.length+c):c;if(l(a))return  
l(b)&&1==b.length?a.indexOf(b,c):-1;for(;c<a.length;c++)if(c in a&&a[c]==b)return c;return-  
1},ta=B.map?function(a,b,c){return B.map.call(a,b,c)}:function(a,b,c){for(var  
d=a.length,e=Array(d),f=l(a)?a.split("")[:a,g=0;g<d;g++)g in f&&(e[g]=b.call(c,f[g],g,a));return e};var  
ua=function(a,b){for(var c in a)b.call(void 0,a[c],c,a)},C=function(a){var  
b=arguments.length;if(1==b&&"array"==aa(arguments[0]))return
```

C.apply(null,arguments[0]);for(var c={},d=0;d  
parseFloat(a)?String(b):a(),Ea={},Fa=function(a){if(!Ea[a])for(var  
b=0,c=fa(String(Da)).split("."),d=fa(String(a)).split("."),e=Math.max(c.length,d.length),f=0;0==b&&f<e;f++)  
g=c[f]||'',k=d[f]||'',t=RegExp("(d\*)(D\*)","g"),y=RegExp("(d\*)(D\*)","g");do{var  
q=t.exec(g)||["","",""],m=y.exec(k)||["","",""];if(0==q[0].length&&0==m[0].length)break;b=ga(0==q[1].length?  
0:Ha)||("CSS1Compat"==Ga.compatMode?parseInt(Da,10):5);var  
Ja={f:947190538,g:947190541,h:947190542,d:79463068,e:79463069},Ka={c:"ud=1",i:"ts=1"};if(w&&w.U  
La=w.URL,ka=!(La&&(0<La.indexOf("?google\_debug"))||0b&&u.setTimeout(ra("osd\_listener::ldcl\_int",  
Na=function(){try{u.localStorage.setItem("\_\_sak","1");var  
a=u.localStorage.\_\_sak;u.localStorage.removeItem("\_\_sak");return"1"==a}catch(b){return!1}},Oa=fun  
d=a.documentElement.createElement("img");G(d,"load",c,"osd::ls\_img::load");d.src=b;a.google\_image\_reque  
H=function(a,b){this.b=a||0;this.a=b||""},Pa=function(a,b){a.b&&(b[4]=a.b);a.a&&(b[12]=a.a)};H.prototype  
a=""+this.b;this.a&&(a+=-+this.a);return a};var Qa=function(){var  
a=l,b=[];a.b&&b.push("adk="+a.b);a.a&&b.push("exk="+a.a);return b},Ra=function(a){var  
b=[];ua(a,function(a,d){var e=z(d),f=a;l(f)&&(f=z(f));b.push(e+"="+f)});return  
b.join("n")},J=0,Sa=0,Ta=function(a){var  
b=0,c=u;if(c&&c.Goog\_AdSense\_getAdAdapterInstance)return  
c;try{for(;c<=b){if(c.google\_osd\_static\_frame)return  
c;if(c.aswift\_0&&(!a||c.aswift\_0.google\_osd\_static\_frame))return  
c.aswift\_0;b++;c=c.parent?c.parent:null}}catch(d){}return  
null},Ua=function(a,b,c,d){if(10<Sa)u.clearInterval(J);else if(++Sa,u.postMessage&&(b.b||b.a)){var  
e=Ta(!0);if(e){var  
f={};Pa(b,f);f[0]="goog\_request\_monitoring";f[6]=a;f[16]=c;d&&d.length&&(f[17]=d.join(", "));try{var  
g=Ra(f);e.postMessage(g,"\*")}}catch(k){}}};"C("area base br col command embed hr img input  
keygen link meta param source track wbr".split(""  
));C("action","cite","data","formaction","href","manifest","poster","src");C("embed","iframe","link","  
Va;if(!(Va!=ya&&!F)){var  
Wa;if(Wa=F)Wa=F&&(E()||9<=la);Va=Wa}Va||ya&&Fa("1.9.1");F&&Fa("9");var  
Xa,K=0,L="",M=!1,N=!1,O=!1,Ya=!0,Za=!1,\$a=[],l=null,P="",ab=[],bb=[],cb=!1,Q="",R="",db=(new  
Date).getTime(),eb=["1","0","3"],S=0,T=!1,U=!1,V="",fb=null,W=0,X=0,gb=0,hb=function(a,b,c){M&&(Ya  
c=V;try{a.localStorage[c]=b+"&timestamp="+n()+"&send"}catch(d){}}},Y=function(a,b,c){if((b=b||P)&&  
d=jb(b,c);!c&&U?(U=!1,fb&&(a.clearInterval(fb),fb=null),ib(a,d),5!=S&&Oa(a,d,function(){a.localStorage  
0):(b=function(b){b&&"error"==b.type&&ib(a,d)},void  
0====a.navigator.onLine||a.navigator.onLine?v(a,d,b):ib(a,d));c?M=!1:cb=!0}),jb=function(a,b){var  
c;c=b?"osdim":O?"osd2":"osdtos";var  
d=["//pagead2.googlesyndication.com/activeview","?id=",c];"osd2"==c&&N&&Za&&d.push("&ts=1");  
e=ab[d]()catch(f){}var  
g="max\_length";2<=e.length&&(3==e.length&&(g=e[2]),c=r(c,z(e[0]),z(e[1]),g))}2E3< c.length&&(c=c.su  
c),Z=function(a,b){if(Q){try{var c=r(Q,"vi",a);ia()&&v(x.contentWindow,c,void  
0)}catch(d){}0<=sa(eb,a)&&(Q="");var  
c=b||P,e=r("//pagead2.googlesyndication.com/pagead/gen\_204?id=sldb","avi",L);e=r(e,"vi",a);c&&(e  
0)}catch(f){}},kb=function(){Z("-1")},mb=function(a){if(a&&a.data&&l(a.data)){var b;var  
c=a.data;if(l(c)){b={};for(var c=c.split("n"),d=0;d=e)){var  
f=Number(c[d].substr(0,e)),e=c[d].substr(e+1);switch(f){case 5:case 8:case 11:case 15:case  
16\_e="true"==e;break;case 4:case 7:case 6:case 14\_e=Number(e);break;case  
3:if("function"==aa(decodeURIComponent))try{e=decodeURIComponent(e)}catch(g){throw  
Error("Error: URI malformed: "+e);}break;case  
17\_e=ta(decodeURIComponent(e).split(","),Number)}b[f]=e}}b=b[0]?b:null}else  
b=null;if(b&&(c=new H(b[4],b[12]),l&&l.match(c))){for(c=0;cW&&2==X){var  
i="";for(j=0;j<=2;j++)i+=b[j];var k=i;for(l=0;l<=2;l++)k+=b[l];var m=k;for(n=0;n<=2;n++)m+=b[n];var  
o=m;for(p=0;p<=2;p++)o+=b[p];var r=o;for(s=0;s<=2;s++)r+=b[s];var t=r;for(u=0;u<=2;u++)t+=b[u];var  
v=t;for(w=0;w<=2;w++)v+=b[w];var x=v;for(y=0;y<=2;y++)x+=b[y];var z=x;for(z=0;z<=2;z++)z+=b[z];var  
A=z;for(B=0;B<=2;B++)A+=b[B];var C=A;for(D=0;D<=2;D++)C+=b[D];var E=C;for(F=0;F<=2;F++)E+=b[F];var  
G=E;for(H=0;H<=2;H++)G+=b[H];var I=G;for(J=0;J<=2;J++)I+=b[J];var K=I;for(L=0;L<=2;L++)K+=b[L];var  
M=K;for(N=0;N<=2;N++)M+=b[N];var O=M;for(P=0;P<=2;P++)O+=b[P];var R=O;for(S=0;S<=2;S++)R+=b[S];var  
T=R;for(U=0;U<=2;U++)T+=b[U];var V=T;for(W=0;W<=2;W++)V+=b[W];var X=V;for(Y=0;Y<=2;Y++)X+=b[Y];var  
Z=X;for(Z=0;Z<=2;Z++)Z+=b[Z];var AA=Z;for(BB=0;BB<=2;BB++)AA+=b[BB];var CC=AA;for(DD=0;DD<=2;DD++)CC+=b[DD];var  
EE=CC;for(FF=0;FF<=2;FF++)EE+=b[FF];var GG=EE;for(HH=0;HH<=2;HH++)GG+=b[HH];var II=GG;for(JJ=0;JJ<=2;JJ++)II+=b[JJ];var  
KK=II;for(LL=0;LL<=2;LL++)KK+=b[LL];var MM=KK;for(NN=0;NN<=2;NN++)MM+=b[NN];var OO=MM;for(PP=0;PP<=2;PP++)OO+=b[PP];var  
QQ=OO;for(SS=0;SS<=2;SS++)QQ+=b[SS];var RR=QQ;for(TT=0;TT<=2;TT++)RR+=b[TT];var  
UU=RR;for(VV=0;VV<=2;VV++)UU+=b[VV];var  
WW=UU;for(XX=0;XX<=2;XX++)WW+=b[XX];var  
YY=WW;for(ZZ=0;ZZ<=2;ZZ++)YY+=b[ZZ];var  
AA=YY;for(BB=0;BB<=2;BB++)AA+=b[BB];var  
CC=AA;for(DD=0;DD<=2;DD++)CC+=b[DD];var  
EE=CC;for(FF=0;FF<=2;FF++)EE+=b[FF];var  
GG=EE;for(HH=0;HH<=2;HH++)GG+=b[HH];var  
II=GG;for(JJ=0;JJ<=2;JJ++)II+=b[JJ];var  
KK=II;for(LL=0;LL<=2;LL++)KK+=b[LL];var  
MM=KK;for(NN=0;NN<=2;NN++)MM+=b[NN];var  
OO=MM;for(PP=0;PP<=2;PP++)OO+=b[PP];var  
QQ=OO;for(SS=0;SS<=2;SS++)QQ+=b[SS];var  
RR=QQ;for(TT=0;TT<=2;TT++)RR+=b[TT];var  
UU=RR;for(VV=0;VV<=2;VV++)UU+=b[VV];var  
WW=UU;for(XX=0;XX<=2;XX++)WW+=b[XX];var  
YY=WW;for(ZZ=0;ZZ<=2;ZZ++)YY+=b[ZZ];var  
AA=YY;for(BB=0;BB<=2;BB++)AA+=b[BB];var  
CC=AA;for(DD=0;DD<=2;DD++)CC+=b[DD];var  
EE=CC;for(FF=0;FF<=2;FF++)EE+=b[FF];var  
GG=EE;for(HH=0;HH<=2;HH++)GG+=b[HH];var  
II=GG;for(JJ=0;JJ<=2;JJ++)II+=b[JJ];var  
KK=II;for(LL=0;LL<=2;LL++)KK+=b[LL];var  
MM=KK;for(NN=0;NN<=2;NN++)MM+=b[NN];var  
OO=MM;for(PP=0;PP<=2;PP++)OO+=b[PP];var  
QQ=OO;for(SS=0;SS<=2;SS++)QQ+=b[SS];var  
RR=QQ;for(TT=0;TT<=2;TT++)RR+=b[TT];var  
UU=RR;for(VV=0;VV<=2;VV++)UU+=b[VV];var  
WW=UU;for(XX=0;XX<=2;XX++)WW+=b[XX];var  
YY=WW;for(ZZ=0;ZZ<=2;ZZ++)YY+=b[ZZ];var  
AA=YY;for(BB=0;BB<=2;BB++)AA+=b[BB];var  
CC=AA;for(DD=0;DD<=2;DD++)CC+=b[DD];var  
EE=CC;for(FF=0;FF<=2;FF++)EE+=b[FF];var  
GG=EE;for(HH=0;HH<=2;HH++)GG+=b[HH];var  
II=GG;for(JJ=0;JJ<=2;JJ++)II+=b[JJ];var  
KK=II;for(LL=0;LL<=2;LL++)KK+=b[LL];var  
MM=KK;for(NN=0;NN<=2;NN++)MM+=b[NN];var  
OO=MM;for(PP=0;PP<=2;PP++)OO+=b[PP];var  
QQ=OO;for(SS=0;SS<=2;SS++)QQ+=b[SS];var  
RR=QQ;for(TT=0;TT<=2;TT++)RR+=b[TT];var  
UU=RR;for(VV=0;VV<=2;VV++)UU+=b[VV];var  
WW=UU;for(XX=0;XX<=2;XX++)WW+=b[XX];var  
YY=WW;for(ZZ=0;ZZ<=2;ZZ++)YY+=b[ZZ];var  
AA=YY;for(BB=0;BB<=2;BB++)AA+=b[BB];var  
CC=AA;for(DD=0;DD<=2;DD++)CC+=b[DD];var  
EE=CC;for(FF=0;FF<=2;FF++)EE+=b[FF];var  
GG=EE;for(HH=0;HH<=2;HH++)GG+=b[HH];var  
II=GG;for(JJ=0;JJ<=2;JJ++)II+=b[JJ];var  
KK=II;for(LL=0;LL<=2;LL++)KK+=b[LL];var  
MM=KK;for(NN=0;NN<=2;NN++)MM+=b[NN];var  
OO=MM;for(PP=0;PP<=2;PP++)OO+=b[PP];var  
QQ=OO;for(SS=0;SS<=2;SS++)QQ+=b[SS];var  
RR=QQ;for(TT=0;TT<=2;TT++)RR+=b[TT];var  
UU=RR;for(VV=0;VV<=2;VV++)UU+=b[VV];var  
WW=UU;for(XX=0;XX<=2;XX++)WW+=b[XX];var  
YY=WW;for(ZZ=0;ZZ<=2;ZZ++)YY+=b[ZZ];var  
AA=YY;for(BB=0;BB<=2;BB++)AA+=b[BB];var  
CC=AA;for(DD=0;DD<=2;DD++)CC+=b[DD];var  
EE=CC;for(FF=0;FF<=2;FF++)EE+=b[FF];var  
GG=EE;for(HH=0;HH<=2;HH++)GG+=b[HH];var  
II=GG;for(JJ=0;JJ<=2;JJ++)II+=b[JJ];var  
KK=II;for(LL=0;LL<=2;LL++)KK+=b[LL];var  
MM=KK;for(NN=0;NN<=2;NN++)MM+=b[NN];var  
OO=MM;for(PP=0;PP<=2;PP++)OO+=b[PP];var  
QQ=OO;for(SS=0;SS<=2;SS++)QQ+=b[SS];var  
RR=QQ;for(TT=0;TT<=2;TT++)RR+=b[TT];var  
UU=RR;for(VV=0;VV<=2;VV++)UU+=b[VV];var  
WW=UU;for(XX=0;XX<=2;XX++)WW+=b[XX];var  
YY=WW;for(ZZ=0;ZZ<=2;ZZ++)YY+=b[ZZ];var  
AA=YY;for(BB=0;BB<=2;BB++)AA+=b[BB];var  
CC=AA;for(DD=0;DD<=2;DD++)CC+=b[DD];var  
EE=CC;for(FF=0;FF<=2;FF++)EE+=b[FF];var  
GG=EE;for(HH=0;HH<=2;HH++)GG+=b[HH];var  
II=GG;for(JJ=0;JJ<=2;JJ++)II+=b[JJ];var  
KK=II;for(LL=0;LL<=2;LL++)KK+=b[LL];var  
MM=KK;for(NN=0;NN<=2;NN++)MM+=b[NN];var  
OO=MM;for(PP=0;PP<=2;PP++)OO+=b[PP];var  
QQ=OO;for(SS=0;SS<=2;SS++)QQ+=b[SS];var  
RR=QQ;for(TT=0;TT<=2;TT++)RR+=b[TT];var  
UU=RR;for(VV=0;VV<=2;VV++)UU+=b[VV];var  
WW=UU;for(XX=0;XX<=2;XX++)WW+=b[XX];var  
YY=WW;for(ZZ=0;ZZ<=2;ZZ++)YY+=b[ZZ];var  
AA=YY;for(BB=0;BB<=2;BB++)AA+=b[BB];var  
CC=AA;for(DD=0;DD<=2;DD++)CC+=b[DD];var  
EE=CC;for(FF=0;FF<=2;FF++)EE+=b[FF];var  
GG=EE;for(HH=0;HH<=2;HH++)GG+=b[HH];var  
II=GG;for(JJ=0;JJ<=2;JJ++)II+=b[JJ];var  
KK=II;for(LL=0;LL<=2;LL++)KK+=b[LL];var  
MM=KK;for(NN=0;NN<=2;NN++)MM+=b[NN];var  
OO=MM;for(PP=0;PP<=2;PP++)OO+=b[PP];var  
QQ=OO;for(SS=0;SS<=2;SS++)QQ+=b[SS];var  
RR=QQ;for(TT=0;TT<=2;TT++)RR+=b[TT];var  
UU=RR;for(VV=0;VV<=2;VV++)UU+=b[VV];var  
WW=UU;for(XX=0;XX<=2;XX++)WW+=b[XX];var  
YY=WW;for(ZZ=0;ZZ<=2;ZZ++)YY+=b[ZZ];var  
AA=YY;for(BB=0;BB<=2;BB++)AA+=b[BB];var  
CC=AA;for(DD=0;DD<=2;DD++)CC+=b[DD];var  
EE=CC;for(FF=0;FF<=2;FF++)EE+=b[FF];var  
GG=EE;for(HH=0;HH<=2;HH++)GG+=b[HH];var  
II=GG;for(JJ=0;JJ<=2;JJ++)II+=b[JJ];var  
KK=II;for(LL=0;LL<=2;LL++)KK+=b[LL];var  
MM=KK;for(NN=0;NN<=2;NN++)MM+=b[NN];var  
OO=MM;for(PP=0;PP<=2;PP++)OO+=b[PP];var  
QQ=OO;for(SS=0;SS<=2;SS++)QQ+=b[SS];var  
RR=QQ;for(TT=0;TT<=2;TT++)RR+=b[TT];var  
UU=RR;for(VV=0;VV<=2;VV++)UU+=b[VV];var  
WW=UU;for(XX=0;XX<=2;XX++)WW+=b[XX];var  
YY=WW;for(ZZ=0;ZZ<=2;ZZ++)YY+=b[ZZ];var  
AA=YY;for(BB=0;BB<=2;BB++)AA+=b[BB];var  
CC=AA;for(DD=0;DD<=2;DD++)CC+=b[DD];var  
EE=CC;for(FF=0;FF<=2;FF++)EE+=b[FF];var  
GG=EE;for(HH=0;HH<=2;HH++)GG+=b[HH];var  
II=GG;for(JJ=0;JJ<=2;JJ++)II+=b[JJ];var  
KK=II;for(LL=0;LL<=2;LL++)KK+=b[LL];var  
MM=KK;for(NN=0;NN<=2;NN++)MM+=b[NN];var  
OO=MM;for(PP=0;PP<=2;PP++)OO+=b[PP];var  
QQ=OO;for(SS=0;SS<=2;SS++)QQ+=b[SS];var  
RR=QQ;for(TT=0;TT<=2;TT++)RR+=b[TT];var  
UU=RR;for(VV=0;VV<=2;VV++)UU+=b[VV];var  
WW=UU;for(XX=0;XX<=2;XX++)WW+=b[XX];var  
YY=WW;for(ZZ=0;ZZ<=2;ZZ++)YY+=b[ZZ];var  
AA=YY;for(BB=0;BB<=2;BB++)AA+=b[BB];var  
CC=AA;for(DD=0;DD<=2;DD++)CC+=b[DD];var  
EE=CC;for(FF=0;FF<=2;FF++)EE+=b[FF];var  
GG=EE;for(HH=0;HH<=2;HH++)GG+=b[HH];var  
II=GG;for(JJ=0;JJ<=2;JJ++)II+=b[JJ];var  
KK=II;for(LL=0;LL<=2;LL++)KK+=b[LL];var  
MM=KK;for(NN=0;NN<=2;NN++)MM+=b[NN];var  
OO=MM;for(PP=0;PP<=2;PP++)OO+=b[PP];var  
QQ=OO;for(SS=0;SS<=2;SS++)QQ+=b[SS];var  
RR=QQ;for(TT=0;TT<=2;TT++)RR+=b[TT];var  
UU=RR;for(VV=0;VV<=2;VV++)UU+=b[VV];var  
WW=UU;for(XX=0;XX<=2;XX++)WW+=b[XX];var  
YY=WW;for(ZZ=0;ZZ<=2;ZZ++)YY+=b[ZZ];var  
AA=YY;for(BB=0;BB<=2;BB++)AA+=b[BB];var  
CC=AA;for(DD=0;DD<=2;DD++)CC+=b[DD];var  
EE=CC;for(FF=0;FF<=2;FF++)EE+=b[FF];var  
GG=EE;for(HH=0;HH<=2;HH++)GG+=b[HH];var  
II=GG;for(JJ=0;JJ<=2;JJ++)II+=b[JJ];var  
KK=II;for(LL=0;LL<=2;LL++)KK+=b[LL];var  
MM=KK;for(NN=0;NN<=2;NN++)MM+=b[NN];var  
OO=MM;for(PP=0;PP<=2;PP++)OO+=b[PP];var  
QQ=OO;for(SS=0;SS<=2;SS++)QQ+=b[SS];var  
RR=QQ;for(TT=0;TT<=2;TT++)RR+=b[TT];var  
UU=RR;for(VV=0;VV<=2;VV++)UU+=b[VV];var  
WW=UU;for(XX=0;XX<=2;XX++)WW+=b[XX];var  
YY=WW;for(ZZ=0;ZZ<=2;ZZ++)YY+=b[ZZ];var  
AA=YY;for(BB=0;BB<=2;BB++)AA+=b[BB];var  
CC=AA;for(DD=0;DD<=2;DD++)CC+=b[DD];var  
EE=CC;for(FF=0;FF<=2;FF++)EE+=b[FF];var  
GG=EE;for(HH=0;HH<=2;HH++)GG+=b[HH];var  
II=GG;for(JJ=0;JJ<=2;JJ++)II+=b[JJ];var  
KK=II;for(LL=0;LL<=2;LL++)KK+=b[LL];var  
MM=KK;for(NN=0;NN<=2;NN++)MM+=b[NN];var  
OO=MM;for(PP=0;PP<=2;PP++)OO+=b[PP];var  
QQ=OO;for(SS=0;SS<=2;SS++)QQ+=b[SS];var  
RR=QQ;for(TT=0;TT<=2;TT++)RR+=b[TT];var  
UU=RR;for(VV=0;VV<=2;VV++)UU+=b[VV];var  
WW=UU;for(XX=0;XX<=2;XX++)WW+=b[XX];var  
YY=WW;for(ZZ=0;ZZ<=2;ZZ++)YY+=b[ZZ];var  
AA=YY;for(BB=0;BB<=2;BB++)AA+=b[BB];var  
CC=AA;for(DD=0;DD<=2;DD++)CC+=b[DD];var  
EE=CC;for(FF=0;FF<=2;FF++)EE+=b[FF];var  
GG=EE;for(HH=0;HH<=2;HH++)GG+=b[HH];var  
II=GG;for(JJ=0;JJ<=2;JJ++)II+=b[JJ];var  
KK=II;for(LL=0;LL<=2;LL++)KK+=b[LL];var  
MM=KK;for(NN=0;NN<=2;NN++)MM+=b[NN];var  
OO=MM;for(PP=0;PP<=2;PP++)OO+=b[PP];var  
QQ=OO;for(SS=0;SS<=2;SS++)QQ+=b[SS];var  
RR=QQ;for(TT=0;TT<=2;TT++)RR+=b[TT];var  
UU=RR;for(VV=0;VV<=2;VV++)UU+=b[VV];var  
WW=UU;for(XX=0;XX<=2;XX++)WW+=b[XX];var  
YY=WW;for(ZZ=0;ZZ<=2;ZZ++)YY+=b[ZZ];var  
AA=YY;for(BB=0;BB<=2;BB++)AA+=b[BB];var  
CC=AA;for(DD=0;DD<=2;DD++)CC+=b[DD];var  
EE=CC;for(FF=0;FF<=2;FF++)EE+=b[FF];var  
GG=EE;for(HH=0;HH<=2;HH++)GG+=b[HH];var  
II=GG;for(JJ=0;JJ<=2;JJ++)II+=b[JJ];var  
KK=II;for(LL=0;LL<=2;LL++)KK+=b[LL];var  
MM=KK;for(NN=0;NN<=2;NN++)MM+=b[NN];var  
OO=MM;for(PP=0;PP<=2;PP++)OO+=b[PP];var  
QQ=OO;for(SS=0;SS<=2;SS++)QQ+=b[SS];var  
RR=QQ;for(TT=0;TT<=2;TT++)RR+=b[TT];var  
UU=RR;for(VV=0;VV<=2;VV++)UU+=b[VV];var  
WW=UU;for(XX=0;XX<=2;XX++)WW+=b[XX];var  
YY=WW;for(ZZ=0;ZZ<=2;ZZ++)YY+=b[ZZ];var  
AA=YY;for(BB=0;BB<=2;BB++)AA+=b[BB];var  
CC=AA;for(DD=0;DD<=2;DD++)CC+=b[DD];var  
EE=CC;for(FF=0;FF<=2;FF++)EE+=b[FF];var  
GG=EE;for(HH=0;HH<=2;HH++)GG+=b[HH];var  
II=GG;for(JJ=0;JJ<=2;JJ++)II+=b[JJ];var  
KK=II;for(LL=0;LL<=2;LL++)KK+=b[LL];var  
MM=KK;for(NN=0;NN<=2;NN++)MM+=b[NN];var  
OO=MM;for(PP=0;PP<=2;PP++)OO+=b[PP];var  
QQ=OO;for(SS=0;SS<=2;SS++)QQ+=b[SS];var  
RR=QQ;for(TT=0;TT<=2;TT++)RR+=b[TT];var  
UU=RR;for(VV=0;VV<=2;VV++)UU+=b[VV];var  
WW=UU;for(XX=0;XX<=2;XX++)WW+=b[XX];var  
YY=WW;for(ZZ=0;ZZ<=2;ZZ++)YY+=b[ZZ];var  
AA=YY;for(BB=0;BB<=2;BB++)AA+=b[BB];var  
CC=AA;for(DD=0;DD<=2;DD++)CC+=b[DD];var  
EE=CC;for(FF=0;FF<=2;FF++)EE+=b[FF];var  
GG=EE;for(HH=0;HH<=2;HH++)GG+=b[HH];var  
II=GG;for(JJ=0;JJ<=2;JJ++)II+=b[JJ];var  
KK=II;for(LL=0;LL<=2;LL++)KK+=b[LL];var  
MM=KK;for(NN=0;NN<=2;NN++)MM+=b[NN];var  
OO=MM;for(PP=0;PP<=2;PP++)OO+=b[PP];var  
QQ=OO;for(SS=0;SS<=2;SS++)QQ+=b[SS];var  
RR=QQ;for(TT=0;TT<=2;TT++)RR+=b[TT];var  
UU=RR;for(VV=0;VV<=2;VV++)UU+=b[VV];var  
WW=UU;for(XX=0;XX<=2;XX++)WW+=b[XX];var  
YY=WW;for(ZZ=0;ZZ<=2;ZZ++)YY+=b[ZZ];var  
AA=YY;for(BB=0;BB<=2;BB++)AA+=b[BB];var  
CC=AA;for(DD=0;DD<=2;DD++)CC+=b[DD];var  
EE=CC;for(FF=0;FF<=2;FF++)EE+=b[FF];var  
GG=EE;for(HH=0;HH<=2;HH++)GG+=b[HH];var  
II=GG;for(JJ=0;JJ<=2;JJ++)II+=b[JJ];var  
KK=II;for(LL=0;LL<=2;LL++)KK+=b[LL];var  
MM=KK;for(NN=0;NN<=2;NN++)MM+=b[NN];var  
OO=MM;for(PP=0;PP<=2;PP++)OO+=b[PP];var  
QQ=OO;for(SS=0;SS<=2;SS++)QQ+=b[SS];var  
RR=QQ;for(TT=0;TT<=2;TT++)RR+=b[TT];var  
UU=RR;for(VV=0;VV<=2;VV++)UU+=b[VV];var  
WW=UU;for(XX=0;XX<=2;XX++)WW+=b[XX];var  
YY=WW;for(ZZ=0;ZZ<=2;ZZ++)YY+=b[ZZ];var  
AA=YY;for(BB=0;BB<=2;BB++)AA+=b[BB];var  
CC=AA;for(DD=0;DD<=2;DD++)CC+=b[DD];var  
EE=CC;for(FF=0;FF<=2;FF++)EE+=b[FF];var  
GG=EE;for(HH=0;HH<=2;HH++)GG+=b[HH];var  
II=GG;for(JJ=0;JJ<=2;JJ++)II+=b[JJ];var  
KK=II;for(LL=0;LL<=2;LL++)KK+=b[LL];var  
MM=KK;for(NN=0;NN<=2;NN++)MM+=b[NN];var  
OO=MM;for(PP=0;PP<=2;PP++)OO+=b[PP];var  
QQ=OO;for(SS=0;SS<=2;SS++)QQ+=b[SS];var  
RR=QQ;for(TT=0;TT<=2;TT++)RR+=b[TT];var  
UU=RR;for(VV=0;VV<=2;VV++)UU+=b[VV];var  
WW=UU;for(XX=0;XX<=2;XX++)WW+=b[XX];var  
YY=WW;for(ZZ=0;ZZ<=2;ZZ++)YY+=b[ZZ];var  
AA=YY;for(BB=0;BB<=2;BB++)AA+=b[BB];var  
CC=AA;for(DD=0;DD<=2;DD++)CC+=b[DD];var  
EE=CC;for(FF=0;FF<=2;FF++)EE+=b[FF];var  
GG=EE;for(HH=0;HH<=2;HH++)GG+=b[HH];var  
II=GG;for(JJ=0;JJ<=2;JJ++)II+=b[JJ];var  
KK=II;for(LL=0;LL<=2;LL++)KK+=b[LL];var  
MM=KK;for(NN=0;NN<=2;NN++)MM+=b[NN];var  
OO=MM;for(PP=0;PP<=2;PP++)OO+=b[PP];var  
QQ=OO;for(SS=0;SS<=2;SS++)QQ+=b[SS];var  
RR=QQ;for(TT=0;TT<=2;TT++)RR+=b[TT];var  
UU=RR;for(VV=0;VV<=2;VV++)UU+=b[VV];var  
WW=UU;for(XX=0;XX<=2;XX++)WW+=b[XX];var  
YY=WW;for(ZZ=0;ZZ<=2;ZZ++)YY+=b[ZZ];var  
AA=YY;for(BB=0;BB<=2;BB++)AA+=b[BB];var  
CC=AA;for(DD=0;DD<=2;DD++)CC+=b[DD];var  
EE=CC;for(FF=0;FF<=2;FF++)EE+=b[FF];var  
GG=EE;for(HH=0;HH<=2;HH++)GG+=b[HH];var  
II=GG;for(JJ=0;JJ<=2;JJ++)II+=b[JJ];var  
KK=II;for(LL=0;LL<=2;LL++)KK+=b[LL];var  
MM=KK;for(NN=0;NN<=2;NN++)MM+=b[NN];var  
OO=MM;for(PP=0;PP<=2;PP++)OO+=b[PP];var  
QQ=OO;for(SS=0;SS<=2;SS++)QQ+=b[SS];var  
RR=QQ;for(TT=0;TT<=2;TT++)RR+=b[TT];var  
UU=RR;for(VV=0;VV<=2;VV++)UU+=b[VV];var  
WW=UU;for(XX=0;XX<=2;XX++)WW+=b[XX];var  
YY=WW;for(ZZ=0;ZZ<=2;ZZ++)YY+=b[ZZ];var  
AA=YY;for(BB=0;BB<=2;BB++)AA+=b[BB];var  
CC=AA;for(DD=0;DD<=2;DD++)CC+=b[DD];var  
EE=CC;for(FF=0;FF<=2;FF++)EE+=b[FF];var  
GG=EE;for(HH=0;HH<=2;HH++)GG+=b[HH];var  
II=GG;for(JJ=0;JJ<=2;JJ++)II+=b[JJ];var  
KK=II;for(LL=0;LL<=2;LL++)KK+=b[LL];var  
MM=KK;for(NN=0;NN<=2;NN++)MM+=b[NN];var  
OO=MM;for(PP=0;PP<=2;PP++)OO+=b[PP];var  
QQ=OO;for(SS=0;SS<=2;SS++)QQ+=b[SS];var  
RR=QQ;for(TT=0;TT<=2;TT++)RR+=b[TT];var  
UU=RR;for(VV=0;VV<=2;VV++)UU+=b[VV];var  
WW=UU;for(XX=0;XX<=2;XX++)WW+=b[XX];var  
YY=WW;for(ZZ=0;ZZ<=2;ZZ++)YY+=b[ZZ];var  
AA=YY;for(BB=0;BB<=2;BB++)AA+=b[BB];var  
CC=AA;for(DD=0;DD<=2;DD++)CC+=b[DD];var  
EE=CC;for(FF=0;FF<=2;FF++)EE+=b[FF];var  
GG=EE;for(HH=0;HH<=2;HH++)GG+=b[HH];var  
II=GG;for(JJ=0;JJ<=2;JJ++)II+=b[JJ];var  
KK=II;for(LL=0;LL<=2;LL++)KK+=b[LL];var  
MM=KK;for(NN=0;NN<=2;NN++)MM+=b[NN];var  
OO=MM;for(PP=0;PP<=2;PP++)OO+=b[PP];var  
QQ=OO;for(SS=0;SS<=2;SS++)QQ+=b[SS];var  
RR=QQ;for(TT=0;TT<=2;TT++)RR+=b[TT];var  
UU=RR;for(VV=0;VV<=2;VV++)UU+=b[VV];var  
WW=UU;for(XX=0;XX<=2;XX++)WW+=b[XX];var  
YY=WW;for(ZZ=0;ZZ<=2;ZZ++)YY+=b[ZZ];var  
AA=YY;for(BB=0;BB<=2;BB++)AA+=b[BB];var  
CC=AA;for(DD=0;DD<=2;DD++)CC+=b[DD];var  
EE=CC;for(FF=0;FF<=2;FF++)EE+=b[FF];var  
GG=EE;for(HH=0;HH<=2;HH++)GG+=b[HH];var  
II=GG;for(JJ=0;JJ<=2;JJ++)II+=b[JJ];var  
KK=II;for(LL=0;LL<=2;LL++)KK+=b[LL];var  
MM=KK;for(NN=0;NN<=2;NN++)MM+=b[NN];var  
OO=MM;for(PP=0;PP<=2;PP++)OO+=b[PP];var  
QQ=OO;for(SS=0;SS<=2;SS++)QQ+=b[SS];var  
RR=QQ;for(TT=0;TT<=2;TT++)RR+=b[TT];var  
UU=RR;for(VV=0;VV<=2;VV++)UU+=b[VV];var  
WW=UU;for(XX=0;XX<=2;XX++)WW+=b[XX];var  
YY=WW;for(ZZ=0;ZZ<=2;ZZ++)YY+=b[ZZ];var  
AA=YY;for(BB=0;BB<=2;BB++)AA+=b[BB];var  
CC=AA;for(DD=0;DD<=2;DD++)CC+=b[DD];var  
EE=CC;for(FF=0;FF<=2;FF++)EE+=b[FF];var  
GG=EE;for(HH=0;HH<=2;HH++)GG+=b[HH];var  
II=GG;for(JJ=0;JJ<=2;JJ++)II+=b[JJ];var  
KK=II;for(LL=0;LL<=2;LL++)KK+=b[LL];var  
MM=KK;for(NN=0;NN<=2;NN++)MM+=b[NN];var  
OO=MM;for(PP=0;PP<=2;PP++)OO+=b[PP];var  
QQ=OO;for(SS=0;SS<=2;SS++)QQ+=b[SS];var  
RR=QQ;for(TT=0;TT<=2;TT++)RR+=b[TT];var  
UU=RR;for(VV=0;VV<=2;VV++)UU+=b[VV];var  
WW=UU;for(XX=0;XX<=2;XX++)WW+=b[XX];var  
YY=WW;for(ZZ=0;ZZ<=2;ZZ++)YY+=b[ZZ];var  
AA=YY;for(BB=0;BB<=2;BB++)AA+=b[BB];var  
CC=AA;for(DD=0;DD<=2;DD++)CC+=b[DD];var  
EE=CC;for(FF=0;FF<=2;FF++)EE+=b[FF];var  
GG=EE;for(HH=0;HH<=2;HH++)GG+=b[HH];var  
II=GG;for(JJ=0;JJ<=2;JJ++)II+=b[JJ];var  
KK=II;for(LL=0;LL<=2;LL++)KK+=b[LL];var  
MM=KK;for(NN=0;NN<=2;NN++)MM+=b[NN];var  
OO=MM;for(PP=0;PP<=2;PP++)OO+=b[PP];var  
QQ=OO;for(SS=0;SS<=2;SS++)QQ+=b[SS];var  
RR=QQ;for(TT=0;TT<=2;TT++)RR+=b[TT];var  
UU=RR;for(VV=0;VV<=2;VV++)UU+=b[VV];var  
WW=UU;for(XX=0;XX<=2;XX++)WW+=b[XX];var  
YY=WW;for(ZZ=0;ZZ<=2;ZZ++)YY+=b[ZZ];var  
AA=YY;for(BB=0;BB<=2;BB++)AA+=b[BB];var  
CC=AA;for(DD=0;DD<=2;DD++)CC+=b[DD];var  
EE=CC;for(FF=0;FF<=2;FF++)EE+=b[FF];var  
GG=EE;for(HH=0;HH<=2;HH++)GG+=b[HH];var  
II=GG;for(JJ=0;JJ<=2;JJ++)II+=b[JJ];var  
KK=II;for(LL=0;LL<=2;LL++)KK+=b[LL];var  
MM=KK;for(NN=0;NN<=2;NN++)MM+=b[NN];var  
OO=MM;for(PP=0;PP<=2;PP++)OO+=b[PP];var  
QQ=OO;for(SS=0;SS<=2;SS++)QQ+=b[SS];var  
RR=QQ;for(TT=0;TT<=2;TT++)RR+=b[TT];var  
UU=RR;for(VV=0;VV<=2;VV++)UU+=b[VV];var  
WW=UU;for(XX=0;XX<=2;XX++)WW+=b[XX];var  
YY=WW;for(ZZ=0;ZZ<=2;ZZ++)YY+=b[ZZ];var  
AA=YY;for(BB=0;BB<=2;BB++)AA+=b[BB];var  
CC=AA;for(DD=0;DD<=2;DD++)CC+=b[DD];var  
EE=CC;for(FF=0;FF<=2;FF++)EE+=b[FF];var  
GG=EE;for(HH=0;HH<=2;HH++)GG+=b[HH];var  
II=GG;for(JJ=0;JJ<=2;JJ++)II+=b[JJ];var  
KK=II;for(LL=0;LL<=2;LL++)KK+=b[LL];var  
MM=KK;for(NN=0;NN<=2;NN++)MM+=b[NN];var  
OO=MM;for(PP=0;PP<=2;PP++)OO+=b[PP];var  
QQ=OO;for(SS=0;SS<=2;SS++)QQ+=b[SS];var  
RR=QQ;for(TT=0;TT<=2;TT++)RR+=b[TT];var  
UU=RR;for(VV=0;VV<=2;VV++)UU+=b[VV];var  
WW=UU;for(XX=0;XX<=2;XX++)WW+=b[XX];var  
YY=WW;for(ZZ=0;ZZ<=2;ZZ++)YY+=b[ZZ];var  
AA=YY;for(BB=0;BB<=2;BB++)AA+=b[BB];var  
CC=AA;for(DD=0;DD<=2;DD++)

