Lanconelli

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Variables: a ; b ; c ; d ; e ; f ; g ; h ; k ; l ; m

Equations:

$$a+b+c+d+e+f+g+h-1;$$
$$-a^2k-2abk-b^2k-ack-bck-adk-bdk-aek-bek-cek-dek-afk-bfk-cfk-dfk+a+b;$$
$$-a^2l-abl-acl-adl-ael-bel-cel-del+a^2+2ab+b^2+ae+be+af+bf;$$
$$a+c+e+g-m;$$

A reliability problem; the variables are probabilities.

References

[1] D. Bini and B. Mourrain. Polynomials test suite. 1996.