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## 8PIP2 Supervisors and Managers Investigation Development Programme

### Case Study & Task

#### A444 Incident

**Feed 14**

A forensic scientist has commented on the DNA results obtained from the right nail scrapings (LM/5) of the victim Simon Hawthorn - Operation Intrepid (Unit 1).

An up to date DNA profile was obtained from Maslow whilst in custody, that was suitable for comparison against the mixed profile using a process known as LiRA.

A DNA profile was obtained that matched Simon Hawthorn and two further profiles were obtained, one that matched Lucas Maslow and an unidentified profile. In order to evaluate the significance of finding DNA components matching Lucas Maslow the scientist considered the following alternative propositions:

1. The mixture of DNA is from Simon Hawthorn, Lucas Maslow and an unknown individual, biologically unrelated to Simon Hawthorn.
2. The mixture of DNA is from Simon Hawthorn, and two unknown individuals biologically unrelated to Lucas Maslow.

It is estimated that the findings are in the order of a billion times more likely if the first proposition were true rather than if the second proposition were true.

#### Task T

**In your syndicates, you have 20 minutes to discuss your considerations regarding the latest update. Identify any enquiries you could now employ.**

**Nominate a syndicate lead to present your considerations to the class and any further decision(s) you have made.**