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| *Known Feature Interaction* | **Encrypt, Verify (7)** | |
| *Possible new features* | Addressbook, Autoresponder, Decrypt, Forward, Sign | |
|  | ***The most similar pairs*** | |
| ***Jaccard Similarity*** | Encrypt-Sign | Verify-Decrypt |
| *Predicted pair as Interaction* | Sign-Verify | Decrypt, Encrypt |
| *Is Prediction an Interaction?* | 🗸 | 🗸 |
| ***Hamming Similarity*** | Encrypt-Decrypt | Verify-Decrypt |
| *Predicted pair as Interaction* | Decrypt-Verify | Encrypt-Decrypt |
| *Is Prediction an Interaction?* | 🗴 | 🗸 |

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| *Known Feature Interaction* | **Decrypt, Forward (0)** | |
| *Possible new features* | Addressbook, Autoresponder, Encrypt, Sign, Verify | |
|  | ***The most similar pairs*** | |
| ***Jaccard Similarity*** | Decrypt-Autoresponder | Forward-Autoresponder |
| *Predicted pair as Interaction* | Autoresponder-Forward | Decrypt, Autoresponder |
| *Is Prediction an Interaction?* | 🗴 | 🗸 |
| ***Hamming Similarity*** | Decrypt- Autoresponder | Forward- Autoresponder |
| *Predicted pair as Interaction* | Autoresponder-Forward | Decrypt, Autoresponder |
| *Is Prediction an Interaction?* | 🗴 | 🗸 |

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| *Known Feature Interaction* | **Addressbook, Encrypt (1)** | |
| *Possible new features* | Autoresponder, Decrypt, Forward, Sign, Verify | |
|  | ***The most similar pairs*** | |
| ***Jaccard Similarity*** | Addressbook-Sign | Encrypt-Verify |
| *Predicted pair as Interaction* | Sign-Encrypt | Addressbook, Verify |
| *Is Prediction an Interaction?* | 🗴 | 🗴 |
| ***Hamming Similarity*** | Addressbook - Decrypt | Encrypt - Verify |
| *Predicted pair as Interaction* | Decrypt-Encrypt | Addressbook, Verify |
| *Is Prediction an Interaction?* | 🗸 | 🗴 |

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| *Known Feature Interaction* | **Sign, Verify (3)** | |
| *Possible new features* | Addressbook, Autoresponder, Encrypt, Decrypt, Forward | |
|  | ***The most similar pairs*** | |
| ***Jaccard Similarity*** | Sign-Encrypt | Verify-Encrypt |
| *Predicted pair as Interaction* | Encrypt-Verify | Sign-Encrypt |
| *Is Prediction an Interaction?* | 🗸 | 🗴 |
| ***Hamming Similarity*** | Sign- Encrypt | Verify-Decrypt |
| *Predicted pair as Interaction* | Encrypt-Verify | Sign- Decrypt |
| *Is Prediction an Interaction?* | 🗸 | 🗴 |

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| *Known Feature Interaction* | **Sign, Forward (4)** | |
| *Possible new features* | Addressbook, Autoresponder, Encrypt, Decrypt, Verify | |
|  | ***The most similar pairs*** | |
| ***Jaccard Similarity*** | Sign-Encrypt | Forward-Decrypt |
| *Predicted pair as Interaction* | Encrypt-Forward | Sign-Decrypt |
| *Is Prediction an Interaction?* | 🗸 | 🗴 |
| ***Hamming Similarity*** | Sign- Decrypt | Forward-Decrypt |
| *Predicted pair as Interaction* | Decrypt-Forward | Sign-Decrypt |
| *Is Prediction an Interaction?* | 🗸 | 🗴 |

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| *Known Feature Interaction* | **Encrypt, Decrypt (6)** | |
| *Possible new features* | Addressbook, Autoresponder, Forward, Sign, Verify | |
|  | ***The most similar pairs*** | |
| ***Jaccard Similarity*** | Encrypt-Verify | Decrypt- Autoresponder |
| *Predicted pair as Interaction* | Verify-Decrypt | Encrypt-Autoresponder |
| *Is Prediction an Interaction?* | 🗴 | 🗸 |
| ***Hamming Similarity*** | Encrypt- Verify | Decrypt-Autoresponder(forward) |
| *Predicted pair as Interaction* | Verify-Decrypt | Encrypt-Autoresponder(forward) |
| *Is Prediction an Interaction?* | 🗴 | 🗸(🗸) |

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| *Known Feature Interaction* | **Encrypt, Autoresponder (8)** | |
| *Possible new features* | Addressbook, Decrypt, Forward, Sign, Verify | |
|  | ***The most similar pairs*** | |
| ***Jaccard Similarity*** | Encrypt-Verify | Autoresponder-Decrypt |
| *Predicted pair as Interaction* | Verify-Autoresponder | Encrypt-Decrypt |
| *Is Prediction an Interaction?* | 🗴 | 🗸 |
| ***Hamming Similarity*** | Encrypt- Decrypt(+Verify) | Autoresponder-Decrypt |
| *Predicted pair as Interaction* | Decrypt(Verify) - Autoresponder | Encrypt-Decrypt |
| *Is Prediction an Interaction?* | 🗸(🗴) | 🗸 |

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| *Known Feature Interaction* | **Encrypt, Forward (9)** | |
| *Possible new features* | Addressbook, Autoresponder, Decrypt, , Sign, Verify | |
|  | ***The most similar pairs*** | |
| ***Jaccard Similarity*** | Encrypt-Verify (Sign) | Forward-Decrypt |
| *Predicted pair as Interaction* | Verify (Sign)-Forward | Encrypt-Decrypt |
| *Is Prediction an Interaction?* | 🗸🗸 | 🗸 |
| ***Hamming Similarity*** | Encrypt- Decrypt (Verify, Sign) | Forward- Decrypt |
| *Predicted pair as Interaction* | Decrypt (Verify, Sign) - Forward | Encrypt-Decrypt |
| *Is Prediction an Interaction?* | 🗸(🗸) | 🗸 |

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| *Known Feature Interaction* | **Decrypt, Autoresponder (11)** | |
| *Possible new features* | Addressbook, Encrypt, Forward, Sign, Verify | |
|  | ***The most similar pairs*** | |
| ***Jaccard Similarity*** | Decrypt- Forward | Autoresponder-Forward |
| *Predicted pair as Interaction* | Forward -Autoresponder | Decrypt-Forward |
| *Is Prediction an Interaction?* | 🗸 | 🗸 |
| ***Hamming Similarity*** | Decrypt-Forward | Autoresponder- Forward |
| *Predicted pair as Interaction* | Forward -Autoresponder | Decrypt-Forward |
| *Is Prediction an Interaction?* | 🗸 | 🗸 |

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| *Known Feature Interaction* | **Autoresponder- Forward (13)** | |
| *Possible new features* | Addressbook, Encrypt, Decrypt, Sign, Verify | |
|  | ***The most similar pairs*** | |
| ***Jaccard Similarity*** | Autoresponder-Decrypt | Forward- Decrypt |
| *Predicted pair as Interaction* | Decrypt-Forward | Autoresponder-Decrypt |
| *Is Prediction an Interaction?* | 🗸 | 🗸 |
| ***Hamming Similarity*** | Autoresponder- Decrypt | Forward-Decrypt |
| *Predicted pair as Interaction* | Decrypt-Forward | Autoresponder-Decrypt |
| *Is Prediction an Interaction?* | 🗸 | 🗸 |

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| *Known Feature Interaction* | **Verify- Forward (27)** | |
| *Possible new features* | Addressbook, Autoresponder, Encrypt, Decrypt, Sign | |
|  | ***The most similar pairs*** | |
| ***Jaccard Similarity*** | Verify-Encrypt | Forward- Decrypt |
| *Predicted pair as Interaction* | Encrypt-Forward | Verify-Decrypt |
| *Is Prediction an Interaction?* | 🗸 | 🗴 |
| ***Hamming Similarity*** | Verify-Encrypt | Forward-Decrypt |
| *Predicted pair as Interaction* | Encrypt-Forward | Verify-Decrypt |
| *Is Prediction an Interaction?* | 🗸 | 🗴 |

Accuracy (Jaccard)= (14)/(22)= 63%

Accuracy (Hamming)=(15)/(22)=68%

Accuracy (Combined)= (16)/(22)=72%

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| ID | Features Involved |
| 0 | Decrypt, Forward |
| 1 | Addressbook,Encrypt |
| 3 | Sign,Verify |
| 4 | Sign,Forward |
| 6 | Encrypt,Decrypt |
| 7 | Encrypt, Verify |
| 8 | Encrypt, Autorespond |
| 9 | Encrypt,Forward |
| 11 | Decrypt, Autorespond |
| 27 | Verify, Forward |