# CONCLUSION

In this paper, we propose a Bloom filter-based location selection method and a secure data de duplication scheme with efficient re-encryption. Owing to the inherent property of one-way hash function, our scheme is secure against the stub-reserved attack and guarantees the data privacy of the data owners’ sensitive data. In addition, instead of re-encrypting the entire package, data owners are only required to re-encrypt a small part of it through the CAONT, which saves excessive computation over head. We also prove that our scheme can achieve the desired security goals and provide detailed simulation tests. The experimental results show that our scheme is efficient in re-encryption.