__Operation 9975__

u = 887211028
gamma = 595291248
v = 19488081889096837469...
lambda = 85412821285137238040...
omega = 19488081889096837469...
n = 38976163778193674938...
signature = 14608125082347529157...
message = Please send me a check of RM200..
hash value = 10299349168288117499...

The signature is valid

Time taken for key generation operation 9975 is 3.1250000s
Time taken for signing operation 9975 is 0.0312500s
Time taken for verifying operation 9975 is 0.0312500s

__Operation 9976__

u = 887211028
gamma = 595291248
v = 19488081889096837469...
lambda = 85412821285137238040...
omega = 19488081889096837469...
n = 38976163778193674938...
signature = 54487767978447503387...
message = Please send me a check of RM200..
hash value = 76634745732119255826...

The signature is valid

Time taken for key generation operation 9976 is 3.1250000s
Time taken for signing operation 9976 is 0.0312500s
Time taken for verifying operation 9976 is 0.0312500s

__Operation 9977__

u = 887211028
gamma = 595291248
v = 19488081889096837469...
lambda = 85412821285137238040...
omega = 19488081889096837469...
n = 38976163778193674938...
signature = 55195912528003782101...
message = Please send me a check of RM200..
hash value = 18993400711914382701...

The signature is valid

Time taken for key generation operation 9977 is 3.1250000s
Time taken for signing operation 9977 is 0.0312500s

Time taken for verifying operation 9977 is 0.0156250s

__Operation 9978__

u = 887211028
gamma = 595291248
v = 19488081889096837469...
lambda = 85412821285137238040...
omega = 19488081889096837469...
n = 38976163778193674938...
signature = 11158131188122280170...
message = Please send me a check of RM200..
hash value = 15208433298865723481...

The signature is valid

Time taken for key generation operation 9978 is 3.1250000s
Time taken for signing operation 9978 is 0.0468750s
Time taken for verifying operation 9978 is 0.0156250s

__Operation 9979__

u = 887211028
gamma = 595291248
v = 19488081889096837469...
lambda = 85412821285137238040...
omega = 19488081889096837469...
n = 38976163778193674938...
signature = 28755180946276359451...
message = Please send me a check of RM200..
hash value = 32804939362007257417...

The signature is valid

Time taken for key generation operation 9979 is 3.1250000s
Time taken for signing operation 9979 is 0.0156250s
Time taken for verifying operation 9979 is 0.0312500s

__Operation 9980__

u = 887211028
gamma = 595291248
v = 19488081889096837469...
lambda = 85412821285137238040...
omega = 19488081889096837469...
n = 38976163778193674938...
signature = 12297130854532074237...
message = Please send me a check of RM200..
hash value = 98583197935449868798...

The signature is valid

Time taken for key generation operation 9980 is 3.1250000s
Time taken for signing operation 9980 is 0.0312500s
Time taken for verifying operation 9980 is 0.0312500s

__Operation 9981__

u = 887211028
gamma = 595291248
v = 19488081889096837469...
lambda = 85412821285137238040...
omega = 19488081889096837469...
n = 38976163778193674938...
signature = 24213199129857167061...
message = Please send me a check of RM200..
hash value = 10531398388246515185...

The signature is valid

Time taken for key generation operation 9981 is 3.1250000s
Time taken for signing operation 9981 is 0.0312500s
Time taken for verifying operation 9981 is 0.0156250s

__Operation 9982__

u = 887211028
gamma = 595291248
v = 19488081889096837469...
lambda = 85412821285137238040...
omega = 19488081889096837469...
n = 38976163778193674938...
signature = 15533842855600273278...
message = Please send me a check of RM200..
hash value = 15397989385049018607...

The signature is valid

Time taken for key generation operation 9982 is 3.1250000s
Time taken for signing operation 9982 is 0.0156250s
Time taken for verifying operation 9982 is 0.0156250s

__Operation 9983__

u = 887211028
gamma = 595291248
v = 19488081889096837469...
lambda = 85412821285137238040...
omega = 19488081889096837469...
n = 38976163778193674938...
signature = 38354928641348791835...
message = Please send me a check of RM200..
hash value = 66881081151857179814...

The signature is valid

Time taken for key generation operation 9983 is 3.1250000s
Time taken for signing operation 9983 is 0.0312500s
Time taken for verifying operation 9983 is 0.0312500s

__Operation 9984__

u = 887211028
gamma = 595291248
v = 19488081889096837469...
lambda = 85412821285137238040...
omega = 19488081889096837469...
n = 38976163778193674938...
signature = 44271061406500696803...
message = Please send me a check of RM200..
hash value = 21996762025820791657...

The signature is valid

Time taken for key generation operation 9984 is 3.1250000s
Time taken for signing operation 9984 is 0.0312500s
Time taken for verifying operation 9984 is 0.0156250s

__Operation 9985__

u = 887211028
gamma = 595291248
v = 19488081889096837469...
lambda = 85412821285137238040...
omega = 19488081889096837469...
n = 38976163778193674938...
signature = 17768784078149573372...
message = Please send me a check of RM200..
hash value = 74319050082725545070...

The signature is valid

Time taken for key generation operation 9985 is 3.1250000s
Time taken for signing operation 9985 is 0.0312500s
Time taken for verifying operation 9985 is 0.0156250s

__Operation 9986__

u = 887211028
gamma = 595291248
v = 19488081889096837469...
lambda = 85412821285137238040...
omega = 19488081889096837469...
n = 38976163778193674938...
signature = 15826858861636184706...
message = Please send me a check of RM200..

hash value = 64411479796377762763...

The signature is valid

Time taken for key generation operation 9986 is 3.1250000s
Time taken for signing operation 9986 is 0.0312500s
Time taken for verifying operation 9986 is 0.0156250s

__Operation 9987__

u = 887211028
gamma = 595291248
v = 19488081889096837469...
lambda = 85412821285137238040...
omega = 19488081889096837469...
n = 38976163778193674938...
signature = 36234950810811646070...
message = Please send me a check of RM200..
hash value = 96091597791108706318...

The signature is valid

Time taken for key generation operation 9987 is 3.1250000s
Time taken for signing operation 9987 is 0.0312500s
Time taken for verifying operation 9987 is 0.0156250s

__Operation 9988__

u = 887211028
gamma = 595291248
v = 19488081889096837469...
lambda = 85412821285137238040...
omega = 19488081889096837469...
n = 38976163778193674938...
signature = 17294785458298813425...
message = Please send me a check of RM200..
hash value = 65509632349384870715...

The signature is valid

Time taken for key generation operation 9988 is 3.1250000s
Time taken for signing operation 9988 is 0.0156250s
Time taken for verifying operation 9988 is 0.0312500s

__Operation 9989__

u = 887211028
gamma = 595291248
v = 19488081889096837469...
lambda = 85412821285137238040...
omega = 19488081889096837469...
n = 38976163778193674938...

signature = 61075537849397221541...
message = Please send me a check of RM200..
hash value = 10004653351207101452...

The signature is valid

Time taken for key generation operation 9989 is 3.1250000s
Time taken for signing operation 9989 is 0.0312500s
Time taken for verifying operation 9989 is 0.0156250s

__Operation 9990__

u = 887211028
gamma = 595291248
v = 19488081889096837469...
lambda = 85412821285137238040...
omega = 19488081889096837469...
n = 38976163778193674938...
signature = 31019203920195918135...
message = Please send me a check of RM200..
hash value = 56965949359590768108...

The signature is valid

Time taken for key generation operation 9990 is 3.1250000s
Time taken for signing operation 9990 is 0.0312500s
Time taken for verifying operation 9990 is 0.0156250s

__Operation 9991__

u = 887211028
gamma = 595291248
v = 19488081889096837469...
lambda = 85412821285137238040...
omega = 19488081889096837469...
n = 38976163778193674938...
signature = 22617510665008793589...
message = Please send me a check of RM200..
hash value = 36615423507877552729...

The signature is valid

Time taken for key generation operation 9991 is 3.1250000s
Time taken for signing operation 9991 is 0.0312500s
Time taken for verifying operation 9991 is 0.0156250s

__Operation 9992__

u = 887211028
gamma = 595291248
v = 19488081889096837469...
lambda = 85412821285137238040...

omega = 19488081889096837469...
n = 38976163778193674938...
signature = 15978397663176506287...
message = Please send me a check of RM200..
hash value = 34369379784396389991...

The signature is valid

Time taken for key generation operation 9992 is 3.1250000s
Time taken for signing operation 9992 is 0.0312500s
Time taken for verifying operation 9992 is 0.0156250s

__Operation 9993__

u = 887211028
gamma = 595291248
v = 19488081889096837469...
lambda = 85412821285137238040...
omega = 19488081889096837469...
n = 38976163778193674938...
signature = 21988981223173124302...
message = Please send me a check of RM200..
hash value = 33207923692662531422...

The signature is valid

Time taken for key generation operation 9993 is 3.1250000s
Time taken for signing operation 9993 is 0.0312500s
Time taken for verifying operation 9993 is 0.0156250s

__Operation 9994__

u = 887211028
gamma = 595291248
v = 19488081889096837469...
lambda = 85412821285137238040...
omega = 19488081889096837469...
n = 38976163778193674938...
signature = 34281516531210809688...
message = Please send me a check of RM200..
hash value = 88832033285763977206...

The signature is valid

Time taken for key generation operation 9994 is 3.1250000s
Time taken for signing operation 9994 is 0.0312500s
Time taken for verifying operation 9994 is 0.0468750s

__Operation 9995__

u = 887211028
gamma = 595291248

v = 19488081889096837469...
lambda = 85412821285137238040...
omega = 19488081889096837469...
n = 38976163778193674938...
signature = 40871769754340252843...
message = Please send me a check of RM200..
hash value = 43385302280578092007...

The signature is valid

Time taken for key generation operation 9995 is 3.1250000s
Time taken for signing operation 9995 is 0.0312500s
Time taken for verifying operation 9995 is 0.0156250s

__Operation 9996__

u = 887211028
gamma = 595291248
v = 19488081889096837469...
lambda = 85412821285137238040...
omega = 19488081889096837469...
n = 38976163778193674938...
signature = 23197448890941133777...
message = Please send me a check of RM200..
hash value = 90341800778111298008...

The signature is valid

Time taken for key generation operation 9996 is 3.1250000s
Time taken for signing operation 9996 is 0.0312500s
Time taken for verifying operation 9996 is 0.0312500s

__Operation 9997__

u = 887211028
gamma = 595291248
v = 19488081889096837469...
lambda = 85412821285137238040...
omega = 19488081889096837469...
n = 38976163778193674938...
signature = 10038535907032971190...
message = Please send me a check of RM200..
hash value = 24391957591212508126...

The signature is valid

Time taken for key generation operation 9997 is 3.1250000s
Time taken for signing operation 9997 is 0.0312500s
Time taken for verifying operation 9997 is 0.0156250s

__Operation 9998__

```
u = 887211028
gamma = 595291248
v = 19488081889096837469...
lambda = 85412821285137238040...
omega = 19488081889096837469...
n = 38976163778193674938...
signature = 23692187121112440705...
message = Please send me a check of RM200..
hash value = 73569001595589718105...

The signature is valid

Time taken for key generation operation 9998 is 3.1250000s
Time taken for signing operation 9998 is 0.0312500s
Time taken for verifying operation 9998 is 0.0312500s


__Operation 9999__

u = 887211028
gamma = 595291248
v = 19488081889096837469...
lambda = 85412821285137238040...
omega = 19488081889096837469...
n = 38976163778193674938...
signature = 15824475542498851179...
message = Please send me a check of RM200..
hash value = 81179492362878776774...

The signature is valid

Time taken for key generation operation 9999 is 3.1250000s
Time taken for signing operation 9999 is 0.0312500s
Time taken for verifying operation 9999 is 0.0312500s


__Operation 10000__

u = 887211028
gamma = 595291248
v = 19488081889096837469...
lambda = 85412821285137238040...
omega = 19488081889096837469...
n = 38976163778193674938...
signature = 90545248403207043395...
message = Please send me a check of RM200..
hash value = 33290195186855419779...

The signature is valid

Time taken for key generation operation 10000 is 3.1250000s
Time taken for signing operation 10000 is 0.0156250s
Time taken for verifying operation 10000 is 0.0312500s
```

```
Average time taken for key operations is 3.7260937s
Average time taken for signing operations is 0.0176016s
Average time taken for verifying operations is 0.0147141s
```

In [**2**]: