

Asymmetric attacks: assessment

CATALDO BASILE

< CATALDO.BASILE@ POLITO.IT >

POLITECNICO DI TORINO

Preliminary stats

Please fill in this form as I use it for statistical purposes

- <https://docs.google.com/forms/d/e/1FAIpQLSfbhSoo-lB-nK-1rckXiea2Okhf9TeDKa2Nj0AXtdwa4yB6aQ/viewform>

Understand numbers #1

```
x1 =(
1091222436364697075507110181956611706
8740961910753205355330625012990519371
5844004112816834344622610785356382664
6922039128430673573023515469036099368
0770372774169291562785041411192973273
1908052202645655422306346673568740831
0900843019712507004362963247148794897
6739436534853325298762194644715235579
0698729847829,
3,739715821722217209754802901806577828
5663073141250139689703908828682379075
2122440241066935345942112042897458901
0870256517729332511565241419536557957
5357873320299240656383941906489146044
4221435902619902400562012855658283339
2556817010884093826769509304752658382
95258904)
```

- form
 - <https://docs.google.com/forms/d/e/1FAIpQLSfjzWiqGfHpdKFmWmlxyurqxtc00F9FMp8kSrfHs3Ejpl6rvw/viewform?usp=dialog>

Understand numbers #2

$C1 =$
125363708807577101691189344679176506572
649828408511764802565240477127331639726
928767037931192035651617508152535805480
780938975688036592214381822686438816700
984251795742219051754443750511906635212
337268172914754823669225677323029362087
248170814798222127100240931034778518466
301289309026296726395563814389944466

$N1 =$
137887122568531770052906670751836781371
188547817912681827699459229601457856092
485235031470842764497111130242984479898
854823665959881623318103414349936603413
367355821161134641346923895414637259410
038068321634553398760005906725246088771
693891835733407419032210967175403657580
025716770208117204192371608966464447

$p1 = (C1, 5, N1)$

- form
 - https://docs.google.com/forms/d/e/1FAIpQLScEI2DGtmmBxoUCctsOEJnMO9J5jnDJsirwWVr9jWNV-Q_V-w/viewform?usp=dialog

Understand numbers #3

(20619672002276824788924668
00664375981780200323053931
19870540720920425094195833
61298447954874234536130293
26452196390948676768692154
17348824384613993692025679
42513149981123162909089349
13863837212956458092446009
35874119405837136909758154
1094913, 65537)

- form
- https://docs.google.com/forms/d/e/1FAIpQLSe_i1JqSCy_LaS3l59NR_JmLx5MSKkH6xjJlDxIJxD5EURGFw/viewform?usp=dialog

Strange RSA key generation

```
k0 = (65537,
159396124558669390799359760331807536840029255720022168901
052231782602280026703184648593332744084863438318769840193
685961973730953752995898456852186415576685282253617655457
578384248644213841611339088902084714635269820487217551396
387759018331214356957686766304525841569229917711178706426
377228845250142300116113118101104150057488788088718817942
304803343270812782396242705224085454025550044783370206628
137343464855055196518902981325072268934201848469485915355
947828233448675274726397742454103563482678931106190173447
395613578943907266248521891704226853379700119536970644945
44145036366470071491859450373255258072246348789)
k1 = (65537,
125064686037170610667416500688196646665460139167678451766
954842155659189891545401234731538091639572853047533468733
484207222588672536645880917240420896051194759765392936549
271684302211905610800698532523453859348679556278925405492
520745258732295770157025934735901766870712222801138155747
291450428914148144987236600591208614507895664549984473912
123377624068039170395204790650261013990838236396894971186
017311700162071900906676868590638226689607881441861794200
881186804556378724381986285181949479193299054212110154411
926875896496664868971451406296760078993007945614645146882
21098198032041078816985702649024295116040925153)
```

- form
- <https://docs.google.com/forms/d/e/1FAIpQLSc-L4iXUq0oUNgWA3s1eT3-JRqVEZBV8DAYWbO4SM8skH5DaQ/viewform?usp=dialog>