

LAMPIRAN 1

SBOX I

```
$s1 = array(
0x30fb40d4, 0x9fa0ff0b, 0x6beccd2f, 0x3f258c7a, 0x1e213f2f,
0x9c004dd3, 0x6003e540, 0xcf9fc949, 0xbfd4af27, 0x88bbdb5,
0xe2034090, 0x98d09675, 0x6e63a0e0, 0x15c361d2, 0xc2e7661d,
0x22d4ff8e, 0x28683b6f, 0xc07fd059, 0xff2379c8, 0x775f50e2,
0x43c340d3, 0xdf2f8656, 0x887ca41a, 0x2d2bd2d, 0xa1c9e0d6,
0x346c4819, 0x61b76d87, 0x22540f2f, 0x2abe32e1, 0xaa54166b,
0x22568e3a, 0xa2d341d0, 0x66db40c8, 0xa784392f, 0x004dff2f,
0x2db9d2de, 0x97943fac, 0x4a97c1d8, 0x527644b7, 0xb5f437a7,
0xb82cbaef, 0xd751d159, 0x6ff7f0ed, 0xa097a1f, 0x827b68d0,
0x90ecf52e, 0x22b0c054, 0xbc8e5935, 0x4b6d2f7f, 0x50bb64a2,
0xd2664910, 0xbec5812d, 0xb7332290, 0xe93b159f, 0xb48ee411,
0x4bff345d, 0xfd45c240, 0xad31973f, 0xc4f6d02e, 0x55fc8165,
0xd5b1caad, 0xa1ac2dae, 0xa2d4b76d, 0xc19b0c50, 0x882240f2,
0x0c6e4f38, 0xa4e4bfd7, 0x4f5ba272, 0x564c1d2f, 0xc59c5319,
0xb949e354, 0xb04669fe, 0xb1b6ab8a, 0xc71358dd, 0x6385c545,
0x110f935d, 0x57538ad5, 0x6a390493, 0xe63d37e0, 0x2a54f6b3,
0x3a787d5f, 0x6276a0b5, 0x19a6fcd, 0x7a42206a, 0x29f9d4d5,
0xf61b1891, 0xbb72275e, 0xaa508167, 0x38901091, 0xc6b505eb,
0x84c7cb8c, 0x2ad75a0f, 0x874a1427, 0xa2d1936b, 0x2ad286af,
0xaa56d291, 0xd7894360, 0x425c750d, 0x93b39e26, 0x187184c9,
0x6c00b32d, 0x73e2bb14, 0xa0bec3c, 0x54623779, 0x64459eab,
0x3f328b82, 0x7718cf82, 0x59a2cea6, 0x04ee002e, 0x89fe78e6,
0x3fab0950, 0x325ff6c2, 0x81383f05, 0x6963c5c8, 0x76cb5ad6,
0xd49974c9, 0xca180dcf, 0x380782d5, 0xc7fa5cf6, 0x8ac31511,
0x35e79e13, 0x47da91d0, 0xf40f9086, 0xa7e2419e, 0x31366241,
0x051ef495, 0xaa573b04, 0x4a805d8d, 0x548300d0, 0x00322a3c,
0xbf64cddf, 0xba57a68e, 0x75c6372b, 0x50afd341, 0xa7c13275,
0x915a0bf5, 0x6b54bfab, 0x2b0b1426, 0xab4cc9d7, 0x449ccd82,
0xf7bf265, 0xab85c5f3, 0x1b55db94, 0xad4e324, 0xcfa4bd3f,
0x2deaa3e2, 0x9e204d02, 0xc8bd25ac, 0xeadf55b3, 0xd5bd9e98,
0xe31231b2, 0x2ad5ad6c, 0x954329de, 0xadbe4528, 0xd8710f69,
0xaa51c90f, 0xaa786bf6, 0x22513f1e, 0xaa51a79b, 0x2ad344cc,
0x7b5a41f0, 0xd37cfbad, 0x1b069505, 0x41ece491, 0xb4c332e6,
0x032268d4, 0xc9600acc, 0xce387e6d, 0xbf6bb16c, 0x6a70fb78,
0x0d03d9c9, 0xd4df39de, 0xe01063da, 0x4736f464, 0x5ad328d8,
0xb347cc96, 0x75bb0fc3, 0x98511bfb, 0x4ffbcc35, 0xb58bcbf6a,
0xe11f0abc, 0xbfc5fe4a, 0xa70aec10, 0xac39570a, 0x3f04442f,
0x6188d153, 0xe0397a2e, 0x5727cb79, 0x9ceb418f, 0x1cacd68d,
0x2ad37c96, 0x0175cb9d, 0xc69dff09, 0xc75b65f0, 0xd9db40d8,
0xec0e7779, 0x4744ead4, 0xb11c3274, 0xdd24cb9e, 0x7e1c54bd,
0xf01144f9, 0xd2240eb1, 0x9675b3fd, 0xa3ac3755, 0xd47c27af,
0x51c85f4d, 0x56907596, 0xa5bb15e6, 0x580304f0, 0xca0d2cf1,
0x011a37ea, 0x8dbfaadb, 0x35ba3e4a, 0x3526ffa0, 0xc37b4d09,
0xbc306ed9, 0x98a52666, 0x5648f725, 0xff5e569d, 0x0ced63d0,
0x7c63b2cf, 0x700b45e1, 0xd5ea50f1, 0x85a92872, 0xaf1fbda7,
0xd4234870, 0xa7870bf3, 0x2d3b4d79, 0x42e04198, 0x0cd0ede7,
0x26470db8, 0xf881814c, 0x474d6ad7, 0x7c0c5e5c, 0xd1231959,
0x381b7298, 0xf5d2f4db, 0xab838653, 0x6e2f1e23, 0x83719c9e,
0xbd91e046, 0x9a56456e, 0xdc39200c, 0x20c8c571, 0x962bda1c,
0xe1e696ff, 0xb141ab08, 0x7cca89b9, 0x1a69e783, 0x02cc4843,
0xa2f7c579, 0x429ef47d, 0x427b169c, 0x5ac9f049, 0xdd8f0f00,
```

0x5c8165bf);

SBOX II

\$s2 = array(

0x1f201094, 0xef0ba75b, 0x69e3cf7e, 0x393f4380, 0xfe61cf7a,
0xec5207a, 0x55889c94, 0x72fc0651, 0xada7ef79, 0x4e1d7235,
0xd55a63ce, 0xde0436ba, 0x99c430ef, 0x5f0c0794, 0x18dcdb7d,
0xa1d6eff3, 0xa0b52f7b, 0x59e83605, 0xee15b094, 0xe9ffd909,
0xdc440086, 0xef944459, 0xba83ccb3, 0xe0c3cdfb, 0xd1da4181,
0x3b092ab1, 0xf997f1c1, 0xa5e6cf7b, 0x01420ddb, 0xe4e7ef5b,
0x25a1ff41, 0xe180f806, 0x1fc41080, 0x179bee7a, 0xd37ac6a9,
0xfe5830a4, 0x98de8b7f, 0x77e83f4e, 0x79929269, 0x24fa9f7b,
0xe113c85b, 0xacc40083, 0xd7503525, 0xf7ea615f, 0x62143154,
0xd0554b63, 0x5d681121, 0xc866c359, 0x3d63cf73, 0xcee234c0,
0xd4d87e87, 0x5c672b21, 0x071f6181, 0x39f7627f, 0x361e3084,
0xe4eb573b, 0x602f64a4, 0xd63acd9c, 0x1bbc4635, 0x9e81032d,
0x2701f50c, 0x99847ab4, 0xa0e3df79, 0xba6cf38c, 0x10843094,
0x2537a95e, 0xf46f6ffe, 0x1ff3b1f, 0x208cfb6a, 0xef458c74,
0xd9e0a227, 0x4ec73a34, 0xfc884f69, 0x3e4de8df, 0xef0e0088,
0x3559648d, 0xa45388c, 0x1d804366, 0x721d9bfd, 0xa58684bb,
0xe8256333, 0x844e8212, 0x128d8098, 0xfed33fb4, 0xce280ae1,
0x27e19ba5, 0xd5a6c252, 0xe49754bd, 0xc5d655dd, 0xeb667064,
0x7840b4d, 0xa1b6a801, 0x84db26a9, 0xe0b56714, 0x21f043b7,
0xe5d05860, 0x54f03084, 0x066ff472, 0xa31aa153, 0xdadc4755,
0xb5625dbf, 0x68561be6, 0x83ca6b94, 0x2d6ed23b, 0xeccf01db,
0xa6d30dba, 0xb6803d5c, 0xaf77a709, 0x33b4a34c, 0x397bc8d6,
0x5ee22b95, 0x5f0e5304, 0x81ed6f61, 0x20e74364, 0xb45e1378,
0xde18639b, 0x881ca122, 0xb96726d1, 0x8049a7e8, 0x22b7da7b,
0x5e552d25, 0x5272d237, 0x79d2951c, 0xc60d894c, 0x488cb402,
0x1ba4fe5b, 0xa4b09f6b, 0x1ca815cf, 0xa20c3005, 0x8871df63,
0xb9de2fcb, 0x0cc6c9e9, 0x0beeff53, 0xe3214517, 0xb4542835,
0x9f63293c, 0xee41e729, 0x6e1d2d7c, 0x50045286, 0x1e6685f3,
0xf33401c6, 0x30a22c95, 0x31a70850, 0x60930f13, 0x73f98417,
0xa1269859, 0xec645c44, 0x52c877a9, 0xcdff33a6, 0xa02b1741,
0x7cbad9a2, 0x2180036f, 0x50d99c08, 0xcb3f4861, 0xc26bd765,
0x64a3f6ab, 0x80342676, 0x25a75e7b, 0xe4e6d1fc, 0x20c710e6,
0xcdf0b680, 0x17844d3b, 0x31eeff84d, 0x7e0824e4, 0x2ccb49eb,
0x846a3bae, 0x8ff77888, 0xee5d60f6, 0x7af75673, 0x2fdd5cdb,
0xa11631c1, 0x30f66f43, 0xb3faec54, 0x157fd7fa, 0xef8579cc,
0xd152de58, 0xdb2ffd5e, 0x8f32ce19, 0x306af97a, 0x02f03ef8,
0x99319ad5, 0xc242fa0f, 0xa7e3ebb0, 0xc68e4906, 0xb8da230c,
0x80823028, 0xdcdef3c8, 0xd35fb171, 0x088a1bc8, 0xbec0c560,
0x61a3c9e8, 0xbca8f54d, 0xc72efffa, 0x22822e99, 0x82c570ba,
0xd8d94e89, 0xb61c34bc, 0x301e16e6, 0x273be979, 0xb0ffeaa6,
0x61d9b8c6, 0x00b24869, 0xb7ffce3f, 0x08dc283b, 0x43daf65a,
0xf7e19798, 0x7619b72f, 0x8f1c9ba4, 0xdc8637a0, 0x16a7d3b1,
0x9fc393b7, 0xa7136eeb, 0xc6bcc63e, 0x1a513742, 0xef6828bc,
0x520365d6, 0x216a77ab, 0x3527ed4b, 0x821fd216, 0x095c6e2e,
0xdb92f2fb, 0x5eea29cb, 0x145892f5, 0x91584f7f, 0x5483697b,
0x2667a8cc, 0x85196048, 0x8c4bacea, 0x833860d4, 0x0d23e0f9,
0x6c387e8a, 0x0ae6d249, 0xb284600c, 0xd835731d, 0xdc1bc647,
0xac4c56ea, 0x43c6e81b3, 0x230eabb0, 0x6438bc87, 0xf0b5b1fa,
0x8f5ea2b3, 0xfc184642, 0x0a036b7a, 0x4fb089bd, 0x649da589,
0xa345415e, 0x5c038323, 0x3e5d3bb9, 0x43d79572, 0x7e6dd07c,
0x06dfdf1e, 0x6c6cc4ef, 0x7160a539, 0x73bfbe70, 0x83877605,
0x4523ecf1);

SBOX III

```
$s3 = array(
```

```
0x8defc240, 0x25fa5d9f, 0xeb903dbf, 0xe810c907, 0x47607fff,
0x369fe44b, 0x8c1fc644, 0xaececa90, 0xbef1f9bf, 0xeefbcaea,
0xe8cf1950, 0x51df07ae, 0x920e8806, 0xf0ad0548, 0xe13c8d83,
0x927010d5, 0x11107d9f, 0x07647db9, 0xb2e3e4d4, 0xc3d4f285e,
0xb9afa820, 0xfade82e0, 0xa067268b, 0x8272792e, 0x553fb2c0,
0x489ae22b, 0xd4ef9794, 0x125e3fbc, 0x21fffcee, 0x825b1bfd,
0x9255c5ed, 0x1257a240, 0x4e1a8302, 0xbae07fff, 0x528246e7,
0x8e57140e, 0x3373f7bf, 0x8c9f8188, 0xa6fc4ee8, 0xc982b5a5,
0xa8c01db7, 0x579fc264, 0x67094f31, 0xf2bd3f5f, 0x40fff7c1,
0x1fb78dfc, 0x8e6bd2c1, 0x437be59b, 0x99b03dbf, 0xb5dbc64b,
0x638dc0e6, 0x55819d99, 0xa197c81c, 0x4a012d6e, 0xc5884a28,
0xcc36f71, 0xb843c213, 0x6c0743f1, 0x8309893c, 0x0feddd5f,
0x2f7fe850, 0xd7c07f7e, 0x02507fbf, 0x5afb9a04, 0xa747d2d0,
0x1651192e, 0xaf70bf3e, 0x58c31380, 0x5f98302e, 0x727cc3c4,
0x0a0fb402, 0x0f7fef82, 0x8c96fdad, 0x5d2c2aae, 0x8ee99a49,
0x50da88b8, 0x8427f4a0, 0x1eac5790, 0x796fb449, 0x8252dc15,
0xefbd7d9b, 0xa672597d, 0xada840d8, 0x45f54504, 0xfa5d7403,
0xe83ec305, 0x4f91751a, 0x925669c2, 0x23efe941, 0xa903f12e,
0x60270df2, 0x0276e4b6, 0x94fd6574, 0x927985b2, 0x8276dbcb,
0x02778176, 0xf8af918d, 0x4e48f79e, 0x8f616ddf, 0xe29d840e,
0x842f7d83, 0x340ce5c8, 0x96bbb682, 0x93b4b148, 0xef303cab,
0x984faf28, 0x779faf9b, 0x92dc560d, 0x224d1e20, 0x8437aa88,
0x7d29dc96, 0x2756d3dc, 0x8b907cee, 0xb51fd240, 0xe7c07ce3,
0xe566b4a1, 0xc9e9615e, 0x3cf8209d, 0x6094d1e3, 0xcd9ca341,
0x5c76460e, 0x00ea983b, 0xd4d67881, 0xfd47572c, 0xf76ceda9,
0xbda8229c, 0x127dadaa, 0x438a074e, 0x1f97c090, 0x081bdb8a,
0x93a07ebe, 0xb938ca15, 0x97b03cff, 0x3dc2c0f8, 0x8d1ab2ec,
0x64380e51, 0x68cc7bfb, 0xd90f2788, 0x12490181, 0x5de5ffdf,
0xdd7ef86a, 0x76a2e214, 0xb9a40368, 0x925d958f, 0x4b39fffa,
0xba39aee9, 0xa4ffd30b, 0xfaf7933b, 0x6d498623, 0x193cbcf,
0x27627545, 0x825cf47a, 0x61bd8ba0, 0xd11e42d1, 0xead04f4,
0x127ea392, 0x10428db7, 0x8272a972, 0x9270c4a8, 0x127de50b,
0x285ba1c8, 0x3c62f44f, 0x35c0eaa5, 0x805d231, 0x428929fb,
0xb4fcd82, 0x4fb66a53, 0xe7dc15b, 0x1f081fab, 0x108618ae,
0xfcfd086d, 0xf9ff2889, 0x694bcc11, 0x236a5cae, 0x12deca4d,
0x2c3f8cc5, 0xd2d02dfe, 0xf8ef5896, 0xe4cf52da, 0x95155b67,
0x494a488c, 0xb9b6a80c, 0x5c8f82bc, 0x89d36b45, 0x3a609437,
0xec00c9a9, 0x44715253, 0xa874b49, 0xd773bc40, 0x7c34671c,
0x02717ef6, 0x4feb5536, 0xa2d02fff, 0xd2bf60c4, 0xd43f03c0,
0x50b4ef6d, 0x07478cd1, 0x006e1888, 0xa2e53f55, 0xb9e6d4bc,
0xa2048016, 0x97573833, 0xd7207d67, 0xde0f8f3d, 0x72f87b33,
0xabc4f33, 0x7688c55d, 0x7b00a6b0, 0x947b0001, 0x570075a2,
0xf9bb88f8, 0x8942019e, 0x4264a5ff, 0x856302e0, 0x72dbd92b,
0xee971b69, 0x6ea22fde, 0x5f08ae2b, 0xaf7a616d, 0xe5c98767,
0xcfl1febd, 0x61efc8c2, 0xf1ac2571, 0xcc8239c2, 0x67214cb8,
0xb1e583d1, 0xb7dc3e62, 0x7f10bdce, 0xf90a5c38, 0x0ff0443d,
0x606e6dc6, 0x60543a49, 0x5727c148, 0x2be98a1d, 0x8ab41738,
0x20e1be24, 0xaf96da0f, 0x68458425, 0x99833be5, 0x600d457d,
0x282f9350, 0x8334b362, 0xd91d1120, 0x2b6d8da0, 0x642b1e31,
0x9c305a00, 0x52bce688, 0x1b03588a, 0xf7baefd5, 0x4142ed9c,
0xa4315c11, 0x83323ec5, 0xdfef4636, 0xa133c501, 0xe9d3531c,
0xee353783);
```

SBOX IV

\$s4 = array(

```
0x9db30420, 0x1fb6e9de, 0xa7be7bef, 0xd273a298, 0x4a4f7bdb,
0x64ad8c57, 0x85510443, 0xfa020ed1, 0x7e287aff, 0xe60fb663,
0x095f35a1, 0x79ebf120, 0xfd059d43, 0x6497b7b1, 0xf3641f63,
0x241e4adf, 0x28147f5f, 0x4fa2b8cd, 0xc9430040, 0x0cc32220,
0xfdd30b30, 0xc0a5374f, 0x1d2d00d9, 0x24147b15, 0xee4d111a,
0xfca5167, 0x71ff904c, 0x2d195ffe, 0x1a05645f, 0x0c13fefe,
0x081b08ca, 0x05170121, 0x80530100, 0xe83e5efe, 0xac9af4f8,
0x7fe72701, 0xd2b8ee5f, 0x06df4261, 0xbb9e9b8a, 0x7293ea25,
0xce84ffdf, 0xf5718801, 0x3dd64b04, 0xa26f263b, 0x7ed48400,
0x547eebe6, 0x446d4ca0, 0x6cf3d6f5, 0x2649abdf, 0xaea0c7f5,
0x36338cc1, 0x503f7e93, 0xd3772061, 0x11b638e1, 0x72500e03,
0xf80eb2bb, 0xabe0502e, 0xec8d77de, 0x57971e81, 0xe14f6746,
0xc9335400, 0x6920318f, 0x081dbb99, 0xffc304a5, 0x4d351805,
0x7f3d5ce3, 0xa6c866c6, 0x5d5bcc9, 0xdaec6fea, 0x9f926f91,
0x9f46222f, 0x3991467d, 0xa5bf6d8e, 0x1143c44f, 0x43958302,
0xd0214eeb, 0x022083b8, 0x3fb6180c, 0x18f8931e, 0x281658e6,
0x26486e3e, 0x8bd78a70, 0x7477e4c1, 0xb506e07c, 0xf32d0a25,
0x79098b02, 0xe4eabb81, 0x28123b23, 0x69dead38, 0x1574ca16,
0xdf871b62, 0x211c40b7, 0xa51a9ef9, 0x0014377b, 0x041e8ac8,
0x09114003, 0xbd59e4d2, 0xe3d156d5, 0x4fe876d5, 0x2f91a340,
0x557be8de, 0x00eae4a7, 0x0ce5c2ec, 0x4db4bba6, 0xe756bdf,
0xdd3369ac, 0xec17b035, 0x06572327, 0x99afc8b0, 0x56c8c391,
0x6b65811c, 0x5e146119, 0x6e85cb75, 0xbe07c002, 0xc2325577,
0x893ff4ec, 0x5bbfc92d, 0xd0ec3b25, 0xb7801ab7, 0x8d6d3b24,
0x20c763ef, 0xc366a5fc, 0x9c382880, 0x0ace3205, 0xaac9548a,
0xeca1d7c7, 0x041afa32, 0x1d16625a, 0x6701902c, 0x9b757a54,
0x31d477f7, 0x9126b031, 0x36cc6fdb, 0xc70b8b46, 0xd9e66a48,
0x56e55a79, 0x026a4ceb, 0x52437eff, 0x2f8f76b4, 0x0df980a5,
0x8674cde3, 0xedda04eb, 0x17a9be04, 0x2c18f4df, 0xb7747f9d,
0xab2af7b4, 0xefc34d20, 0x2e096b7c, 0x1741a254, 0xe5b6a035,
0x213d42f6, 0x2c1c7c26, 0x61c2f50f, 0x6552daf9, 0xd2c231f8,
0x25130f69, 0xd8167fa2, 0x0418f2c8, 0x001a96a6, 0xd1526ab,
0x63315c21, 0x5e0a72ec, 0x49bafefd, 0x187908d9, 0x8d0bdb86,
0x311170a7, 0x3e9b640c, 0xcc3e10d7, 0xd5cad3b6, 0x0caec388,
0xf73001e1, 0x6c728aff, 0x71eae2a1, 0x1f9af36e, 0xcfcbdb12f,
0xc1de8417, 0xac07be6b, 0xcb44a1d8, 0x8b9b0f56, 0x013988c3,
0xb1c52fca, 0xb4be31cd, 0xd8782806, 0x12a3a4e2, 0x6f7de532,
0x58fd7eb6, 0xd01ee900, 0x24adffc2, 0xf4990fc5, 0x9711aac5,
0x001d7b95, 0x82e5e7d2, 0x109873f6, 0x00613096, 0xc32d9521,
0xada121ff, 0x29908415, 0x7fbb977f, 0xaf9eb3db, 0x29c9ed2a,
0x5ce2a465, 0xa730f32c, 0xd0aa3fe8, 0x8a5cc091, 0xd49e2ce7,
0x0ce454a9, 0xd60acd86, 0x015f1919, 0x70779103, 0xdea03af6,
0x78a8565e, 0xdee356df, 0x21f05cbe, 0x8b75e387, 0xb3c50651,
0xb8a5c3ef, 0xd8eeb6d2, 0xe523be77, 0xc2154529, 0x2f69efdf,
0xaf67afb, 0xf470c4b2, 0xf3e0eb5b, 0xd6cc9876, 0x39e4460c,
0x1fda8538, 0x1987832f, 0xca007367, 0xa99144f8, 0x296b299e,
0x492fc295, 0x9266beab, 0xb5676e69, 0x9bd3ddda, 0xdf7e052f,
0xdb25701c, 0x1b5e51ee, 0xf6532ae6, 0x6afce36c, 0x0316cc04,
0x8644213e, 0xb7dc59d0, 0x7965291f, 0xccd6fd43, 0x41823979,
0x932bcd6f, 0xb657c34d, 0x4edfd282, 0x7ae5290c, 0x3cb9536b,
0x851e20fe, 0x9833557e, 0x13ecf0b0, 0xd3ffb372, 0x3f85c5c1,
0x0aef7ed2);
```


SBOX V

```
$s5 = array(
0x7ec90c04, 0x2c6e74b9, 0x9b0e66df, 0xa6337911, 0xb86a7fff,
0x1dd358f5, 0x44dd9d44, 0x1731167f, 0x08fbf1fa, 0xe7f511cc,
0xd2051b00, 0x735aba00, 0x2ab722d8, 0x386381cb, 0xacf6243a,
0x69befd7a, 0xe6a2e77f, 0xf0c720cd, 0xc4494816, 0xcccf5c180,
0x38851640, 0x15b0a848, 0xe68b18cb, 0x4caadeff, 0x5f480a01,
0x0412b2aa, 0x259814fc, 0x41d0efe2, 0x4e40b48d, 0x248eb6fb,
0x8dbalcfe, 0x41a99b02, 0x1a550a04, 0xba8f65cb, 0x7251f4e7,
0x95a51725, 0xc106ecd7, 0x97a5980a, 0xc539b9aa, 0x4d79fe6a,
0xf2f3f763, 0x68af8040, 0xed0c9e56, 0x11b4958b, 0xe1eb5a88,
0x8709e6b0, 0xd7e07156, 0x4e29fea7, 0x6366e52d, 0x02d1c000,
0xc4ac8e05, 0x9377f571, 0x0c05372a, 0x578535f2, 0x2261be02,
0xd642a0c9, 0xdf13a280, 0x74b55bd2, 0x682199c0, 0xd421e5ec,
0x53fb3ce8, 0xc8adedb3, 0x28a87fc9, 0x3d959981, 0x5c1fff900,
0xfe38d399, 0x0c4eff0b, 0x062407ea, 0xaa2f4fb1, 0x4fb96976,
0x90c79505, 0xb0a8a774, 0xef55a1ff, 0xe59ca2c2, 0xa6b62d27,
0xe66a4263, 0xdf65001f, 0x0ec50960, 0xdfdd55bc, 0x29de0655,
0x911e739a, 0x17af8975, 0x32c7911c, 0x89f89468, 0x0d01e980,
0x524755f4, 0x03b63cc9, 0x0cc844b2, 0xbcf3f0aa, 0x87ac36e9,
0xe53a7426, 0x01b3d82b, 0x1a9e7449, 0x64ee2d7e, 0xcdbb1da,
0x01c94910, 0xb868bf80, 0xd26f3fd, 0x9342ede7, 0x04a5c284,
0x636737b6, 0x50f5b616, 0xf24766e3, 0x8eca36c1, 0x136e05db,
0xfef18391, 0xfb887a37, 0xd6e7f7d4, 0xc7fb7dc9, 0x3063fcdcf,
0xb6f589de, 0xec2941da, 0x26e46695, 0xb7566419, 0xf654efc5,
0xd08d58b7, 0x48925401, 0xc1bacb7f, 0xe5ff550f, 0xb6083049,
0x5bb5a0e8, 0x87d72e5a, 0xab6a6ee1, 0x223a66ce, 0xc62bf3cd,
0x9e0885f9, 0x68cb3e47, 0x086c010f, 0xa21de820, 0xd18b69de,
0xf3f65777, 0xfa02c3f6, 0x407edac3, 0xcbb3d550, 0x1793084d,
0xb0d70eba, 0x0ab378d5, 0xd951fb0c, 0xded7da56, 0x4124bbe4,
0x94ca0b56, 0x0f5755d1, 0xe0e1e56e, 0x6184b5be, 0x580a249f,
0x94f74bc0, 0xe327888e, 0x9f7b5561, 0xc3dc0280, 0x05687715,
0x646c6bd7, 0x44904db3, 0x66b4f0a3, 0xc0f1648a, 0x697ed5af,
0x49e92ff6, 0x309e374f, 0x2cb6356a, 0x85808573, 0x4991f840,
0x76f0ae02, 0x083be84d, 0x28421c9a, 0x44489406, 0x736e4cb8,
0xc1092910, 0x8bc95fc6, 0x7d869cf4, 0x134f616f, 0x2e77118d,
0xb31b2be1, 0xaa90b472, 0x3ca5d717, 0x7d161bba, 0x9cad9010,
0xaf462ba2, 0x9fe459d2, 0x45d34559, 0xd9f2da13, 0xdb6c65487,
0xf3e4f94e, 0x176d486f, 0x097c13ea, 0x631da5c7, 0x445f7382,
0x175683f4, 0xcdc66a97, 0x70be0288, 0xb3cdcf72, 0x6e5dd2f3,
0x20936079, 0x459b80a5, 0xbe60e2db, 0xa9c23101, 0xeba5315c,
0x224e42f2, 0x1c5c1572, 0xf6721b2c, 0x1ad2fff3, 0x8c25404e,
0x324ed72f, 0x4067b7fd, 0x0523138e, 0x5ca3bc78, 0xdc0fd66e,
0x75922283, 0x784d6b17, 0x58ebb16e, 0x4a094f85, 0x03f61d87,
0xfcfeae7b, 0x77b5ff76, 0x8c2302bf, 0xaaf47556, 0x5f46b02a,
0x2b092801, 0x3d38f5f7, 0x0ca81f36, 0x52af4a8a, 0x66d5e7c0,
0xdf3b0874, 0x95055110, 0x1b5ad7a8, 0xf61ed5ad, 0x6cf6e479,
0x20758184, 0xd0cefa65, 0x88f7be58, 0x4a046826, 0x0ff6f8f3,
0xa09c7f70, 0x5346aba0, 0x5ce96c28, 0xe176eda3, 0x6bac307f,
0x376829d2, 0x85360fa9, 0x17e3fe2a, 0x24b79767, 0xf5a96b20,
0xd6cd2595, 0x68ff1ebf, 0x7555442c, 0xf19f06be, 0xf9e0659a,
0xeb9491d, 0xb30c0ab8, 0xb30cab8, 0x822fe15, 0x88570983,
0x750e6249, 0xda627e55, 0x5e76ffa8, 0xb1534546, 0x6d47de08,
0xfe9e7d4);
```

SBOX VI

\$s6 = array(

```
0xf6fa8f9d, 0x2cac6ce1, 0x4ca34867, 0xe2337f7c, 0x95db08e7,
0x016843b4, 0xeced5cbc, 0x325553ac, 0xbf9f0960, 0xdfa1e2ed,
0x83f0579d, 0x63ed86b9, 0x1ab6a6b8, 0xde5ebe39, 0xf38ff732,
0x8989b138, 0x33f14961, 0xc01937bd, 0xf506c6da, 0xe4625e7e,
0xa308ea99, 0x4e23e33c, 0x79cbd7cc, 0x48a14367, 0xa3149619,
0xfec94bd5, 0xa114174a, 0xea01866, 0xa084db2d, 0x09a8486f,
0xa888614a, 0x2900af98, 0x01665991, 0xe1992863, 0xc8f30c60,
0xe78ef3c, 0xd0d51932, 0xc0fec14, 0xf7ca07d2, 0xd0a82072,
0xfd41197e, 0x9305a6b0, 0xe86be3da, 0x74bed3cd, 0x372da53c,
0x4c7f4448, 0xdab5d440, 0x6dba0ec3, 0x083919a7, 0x9fbaeed9,
0x49dbcfb0, 0x4e670c53, 0x5c3d9c01, 0x64bdb941, 0x2c0e636a,
0xba7dd9cd, 0xea6f7388, 0x70bc762, 0x35f29adb, 0x5c4cdd8d,
0xf0d48d8c, 0xb88153e2, 0x08a19866, 0x1ae2eac8, 0x284caf89,
0xaa928223, 0x9334be53, 0x3b3a21bf, 0x16434be3, 0x9aea3906,
0xfe8c36e, 0xf890cdd9, 0x80226dae, 0xc340a4a3, 0xdf7e9c09,
0xa694a807, 0x5b7c5ecc, 0x21db3a6, 0x9a69a02f, 0x68818a54,
0xceb2296f, 0x53c0843a, 0xfe893655, 0x25bfe68a, 0xb4628abc,
0xcf222ebf, 0x25ac6f48, 0xa9a99387, 0x53bddb65, 0xe76ffbe7,
0xe967fd78, 0x0ba93563, 0x8e342bc1, 0xe8a11be9, 0x4980740d,
0xc8087dfc, 0x8de4bf99, 0xa11101a0, 0x7fd37975, 0xda5a26c0,
0xe81f994f, 0x9528cd89, 0xfd339fed, 0xb87834bf, 0x5f04456d,
0x22258698, 0xc9c4c83b, 0x2dc156be, 0x4f628daa, 0x57f55ec5,
0xe2220abe, 0xd2916ebf, 0x4ec75b95, 0x24f2c3c0, 0x42d15d99,
0xcd0d7fa0, 0x7b6e27ff, 0xa8dc8af0, 0x7345c106, 0xf41e232f,
0x35162386, 0xe6ea8926, 0x3333b094, 0x157ec6f2, 0x372b74af,
0x692573e4, 0xe9a9d848, 0xf3160289, 0x3a62ef1d, 0xa787e238,
0xf3a5f676, 0x74364853, 0x20951063, 0x4576698d, 0xb6fad407,
0x592af950, 0x36f73523, 0x4cfb6e87, 0x7da4cec0, 0x6c152daa,
0xc0396a8, 0xc50dfe5d, 0xfcd707ab, 0x0921c42f, 0x89df0bb,
0x5fe2be78, 0x448f4f33, 0x754613c9, 0x2b05d08d, 0x48b9d585,
0xdc049441, 0xc8098f9b, 0x7dede786, 0xc39a3373, 0x42410005,
0x6a091751, 0x0ef3c8a6, 0x890072d6, 0x28207682, 0xa9a9f7be,
0xb32679d, 0xd45b5b75, 0xb353fd00, 0xcbb0e358, 0x830f220a,
0x1f8fb214, 0xd372cf08, 0xcc3c4a13, 0x8cf63166, 0x061c87be,
0x88c98f88, 0x6062e397, 0x47cf8e7a, 0xb6c85283, 0x3cc2acfb,
0x3fc06976, 0x4e8f0252, 0x64d8314d, 0xda3870e3, 0x1e665459,
0xc10908f0, 0x513021a5, 0x6c5b68b7, 0x822f8aa0, 0x3007cd3e,
0x74719eef, 0xdc872681, 0x073340d4, 0x7e432fd9, 0x0c5ec241,
0x8809286c, 0xf592d891, 0x08a930f6, 0x957ef305, 0xb7fbffbd,
0xc266e96f, 0x6fe4ac98, 0xb173ecc0, 0xb60b42a, 0x953498da,
0xfba1ae12, 0x2d4bd736, 0x0f25faab, 0xa4f3fceb, 0xe2969123,
0x257f0c3d, 0x9348af49, 0x361400bc, 0xe8816f4a, 0x3814f200,
0xa3f94043, 0x9c7a54c2, 0xbc704f57, 0xda41e7f9, 0xc25ad33a,
0x54f4a084, 0xb17f5505, 0x59357cbe, 0xedbd15c8, 0x7f97c5ab,
0xba5ac7b5, 0xb6f6deaf, 0x3a479c3a, 0x5302da25, 0x653d7e6a,
0x54268d49, 0x51a477ea, 0x5017d55b, 0xd7d25d88, 0x44136c76,
0x0404a8c8, 0xb8e5a121, 0xb81a928a, 0x60ed5869, 0x97c55b96,
0xeaec991b, 0x29935913, 0x01fdb7f1, 0x088e8dfa, 0x9ab6f6f5,
0x3b4cbf9f, 0x4a5de3ab, 0xe6051d35, 0xa0e1d855, 0xd36b4cf1,
0xf544edeb, 0xb0e93524, 0xebbb8fbd, 0xa2d762cf, 0x49c92f54,
0x38b5f331, 0x7128a454, 0x48392905, 0xa65b1db8, 0x851c97bd,
0xd675cf2f);
```

SBOX VII

```
$s7 = array(
```

```
0x85e04019, 0x332bf567, 0x662dbfff, 0xcfc65693, 0x2a8d7f6f,
0xab9bc912, 0xde6008a1, 0x2028da1f, 0x0227bce7, 0x4d642916,
0x18fac300, 0x50f18b82, 0x2cb2cb11, 0xb232e75c, 0x4b3695f2,
0xb28707de, 0xa05fbcf6, 0xcd4181e9, 0xe150210c, 0xe24ef1bd,
0xb168c381, 0xfde4e789, 0x5c79b0d8, 0x1e8bfd43, 0x4d495001,
0x38be4341, 0x913cee1d, 0x92a79c3f, 0x089766be, 0xbaeeadf4,
0x1286becf, 0xb6eacab19, 0x2660c200, 0x7565bde4, 0x64241f7a,
0x8248dca9, 0xc3b3ad66, 0x28136086, 0x0bd8dfa8, 0x36d1cf2,
0x107789be, 0xb3b2e9ce, 0x0502aa8f, 0x0bc0351e, 0x166bf52a,
0xeb12ff82, 0xe3486911, 0xd34d7516, 0x4e7b3aff, 0x5f43671b,
0x9cf6e037, 0x4981ac83, 0x334266ce, 0x8c9341b7, 0xd0d854c0,
0xcb3a6c88, 0x47bc2829, 0x4725ba37, 0xa66ad22b, 0x7ad61ffe,
0x0c5cbafa, 0x4437f107, 0xb6e79962, 0x42d2d816, 0x0a961288,
0xe1a5c06e, 0x13749e67, 0x72fc081a, 0xb1d139f7, 0xf9583745,
0xcf19df58, 0xbec3f756, 0xc06eba30, 0x07211b24, 0x45c28829,
0x95e317f, 0xbcbec511, 0x38bc46e9, 0xc6e6fa14, 0xbae8584a,
0xad4ebc46, 0x468f508b, 0x7829435f, 0xf124183b, 0x821dba9f,
0xaff60ff4, 0xea2c4e6d, 0x16e39264, 0x92544a8b, 0x009b4fc3,
0xaba68ced, 0x9ac96f78, 0x06a5b79a, 0xb2856e6e, 0x1aec3ca9,
0xbe838688, 0x0e0804e9, 0x55f1be56, 0xe7e5363b, 0xb3a1f25d,
0xf7debb85, 0x61fe033c, 0x16746233, 0xc034c28, 0xda6d0c74,
0x79aac56c, 0x3ce4e1ad, 0x51f0c802, 0x98f8f35a, 0x1626a49f,
0xed82b29, 0x1d382fe3, 0x0c4fb99a, 0xbb325778, 0x3ec6d97b,
0x6e77a6a9, 0xcb658b5c, 0xd45230c7, 0x2bd1408b, 0x60c03eb7,
0xb9068d78, 0xa33f5f44, 0xf430c87d, 0xc8a71302, 0xb96d8c32,
0xebd4e7be, 0xbe8b9d2d, 0x7979fb06, 0xe7225308, 0x8b75cf77,
0x11ef8da4, 0xe083c858, 0x8d6b786f, 0x5a6317a6, 0xfa5cf7a0,
0x5dda0033, 0xf28ebfb0, 0xf5b9c310, 0xa0eac280, 0x08b9767a,
0xa3d9d2b0, 0x79d34217, 0x021a718d, 0x9ac6336a, 0x2711fd60,
0x438050e3, 0x069908a8, 0x3d7fedc4, 0x826d2bef, 0x4eeb8476,
0x488dcf25, 0x36c9d566, 0x28e74e41, 0xc2610aca, 0x3d49a9cf,
0xbae3b9df, 0xb65f8de6, 0x92aeaf64, 0x3ac7d5e6, 0x9ea80509,
0xf22b017d, 0xa4173f70, 0xdd1e16c3, 0x15e0d7f9, 0x50b1b887,
0x2b9f4fd5, 0x625aba82, 0x6a017962, 0x2ec01b9c, 0x15488aa9,
0xd716e740, 0x40055a2c, 0x93d29a22, 0xe32dbf9a, 0x058745b9,
0x3453dc1e, 0xd699296e, 0x496cff6f, 0x1c9f4986, 0xdfe2ed07,
0xb87242d1, 0x19de7eae, 0x053e561a, 0x15ad6f8c, 0x66626c1c,
0x7154c24c, 0xea082b2a, 0x93eb2939, 0x17dcb0f0, 0x58d4f2ae,
0x9ea294fb, 0x52cf564c, 0x9883fe66, 0x2ec40581, 0x763953c3,
0x01d6692e, 0xd3a0c108, 0xa1e7160e, 0xe4f2dfa6, 0x693ed285,
0x74904698, 0x4c2b0edd, 0x4f757656, 0x5d393378, 0xa132234f,
0x3d321c5d, 0xc3f5e194, 0x4b269301, 0xc79f022f, 0x3c997e7e,
0x5e4f9504, 0x3ffafabb, 0x76f7ad0e, 0x296693f4, 0x3d1fce6f,
0xc61e45be, 0xd3b5ab34, 0xf72bf9b7, 0x1b0434c0, 0x4e72b567,
0x5592a33d, 0xb5229301, 0xcfd2a87f, 0x60aeb767, 0x1814386b,
0x30bcc33d, 0x38a0c07d, 0xfd1606f2, 0xc36519b, 0x84bd390,
0x5479f8e6, 0x1cb8d647, 0x97fd61a9, 0xea7759f4, 0x2d57539d,
0x569a58cf, 0xe84e63ad, 0x462e1b78, 0x6580f87e, 0xf3817914,
0x91da55f4, 0x40a230f3, 0xd1988f35, 0xb6e318d2, 0x3ffa50bc,
0x3d04f021, 0xc3c0bdae, 0x4958c24c, 0x518f36b2, 0x84b1d370,
0x0fedce83, 0x878ddada, 0xf2a279c7, 0x94e01be8, 0x90716f4b,
0x954b8aa3);
```

SBOX VIII

\$s8 = array(

```
0xe216300d, 0xbbddfffc, 0xa7ebdabd, 0x35648095, 0x7789f8b7,
0xe6c1121b, 0x0e241600, 0x052ce8b5, 0x11a9cfb0, 0xe5952f11,
0xece7990a, 0x9386d174, 0x2a42931c, 0x76e38111, 0xb12def3a,
0x37dddfc, 0xde9adeb1, 0x0a0cc32c, 0xbe197029, 0x84a00940,
0xbb243a0f, 0xb4d137cf, 0xb44e79f0, 0x049eedfd, 0x0b15a15d,
0x480d3168, 0x8bbbde5a, 0x669ded42, 0xc7ece831, 0x3f8f95e7,
0x72df191b, 0x7580330d, 0x94074251, 0x5c7dcdfa, 0xabbe6d63,
0xaa402164, 0xb301d40a, 0x02e7d1ca, 0x53571dae, 0x7a3182a2,
0x12a8dddec, 0xfdaa335d, 0x176f43e8, 0x71fb46d4, 0x38129022,
0xce949ad4, 0xb84769ad, 0x965bd862, 0x82f3d055, 0x66fb9767,
0x15b80b4e, 0x1d5b47a0, 0x4cfde06f, 0xc28ec4b8, 0x57e8726e,
0x647a78fc, 0x99865d44, 0x608bd593, 0x6c200e03, 0x39dc5ff6,
0x5d0b00a3, 0xae63aff2, 0x7e8bd632, 0x70108c0c, 0xbbd35049,
0x2998df04, 0x980cf42a, 0x9b6df491, 0x9e7edd53, 0x06918548,
0x58cb7e07, 0x3b74ef2e, 0x522ffffb1, 0xd24708cc, 0x1c7e27cd,
0xa4eb215b, 0x3cfl1d2e2, 0x19b47a38, 0x424f7618, 0x35856039,
0x9d17dee7, 0x27eb35e6, 0xc9aff67b, 0x36baf5b8, 0x09c467cd,
0xc18910b1, 0xe11dbf7b, 0x06cd1af8, 0x7170c608, 0x2d5e3354,
0xd4de495a, 0x64c6d006, 0xbcc0c62c, 0x3dd00db3, 0x708f8f34,
0x77d51b42, 0x264f620f, 0x24b8d2bf, 0x15c1b79e, 0x46a52564,
0xf8d7b54e, 0x3e378160, 0x7895cda5, 0x859c15a5, 0xe6459788,
0xc37bc75f, 0xdb07ba0c, 0x0676a3ab, 0x7f229b1e, 0x31842e7b,
0x24259fd7, 0xf8bef472, 0x835ffcb8, 0x6df4c1f2, 0x96f5b195,
0xfd0af0fc, 0xb0fe134c, 0xe2506d3d, 0x4f9b12ea, 0xf215f125,
0xa223736f, 0x9fb4c428, 0x25d04979, 0x34c713f8, 0xc4618187,
0xea7a6e98, 0x7cd16efc, 0x1436876c, 0xf1544107, 0xbedeee14,
0x56e9af27, 0xa04aa441, 0x3cf7c899, 0x92ecbae6, 0xdd67016d,
0x151682eb, 0xa842eedf, 0xfdba60b4, 0xf1907b75, 0x20e3030f,
0x24d8c29e, 0x139673b, 0xefa63fb8, 0x71873054, 0xb6f2cf3b,
0x9f326442, 0xcb15a4cc, 0xb01a4504, 0xf1e47d8d, 0x844a1be5,
0xbae7dfdc, 0x42cbda70, 0xcd7dae0a, 0x57e85b7a, 0xd53f5af6,
0x20cf4d8c, 0xcea4d428, 0x79d130a4, 0x3486ebfb, 0x33d3cddc,
0x77853b53, 0x37effcb5, 0xc5068778, 0xe580b3e6, 0xe68b8ff4,
0xc5c8b37e, 0x0d809ea2, 0x398feb7c, 0x132a4f94, 0x43b7950e,
0x2fee7d1c, 0x223613bd, 0xdd06caa2, 0x37df932b, 0xc4248289,
0xacf3ebc3, 0x5715f6b7, 0xef3478dd, 0xf267616f, 0xc148cbe4,
0x9052815e, 0x5e410fab, 0xb48a2465, 0x2eda7fa4, 0xe87b40e4,
0xe98ea084, 0x5889e9e1, 0xefd390fc, 0xdd07d35b, 0xdb485694,
0x38d7e5b2, 0x57720101, 0x730edebc, 0x5b643113, 0x94917e4f,
0x503c2fba, 0x646f1282, 0x7523d24a, 0xe0779695, 0xf9c17a8f,
0x7a5b2121, 0xd187b896, 0x29263a4d, 0xba510cdf, 0x81f47c9f,
0xad1163ed, 0xea7b5965, 0x1a00726e, 0x11403092, 0x00da6d77,
0x4a0cdd61, 0xad1f4603, 0x605bdfb0, 0x9eedc364, 0x22ebe6a8,
0xcee7d28a, 0xa0e736a0, 0x5564a6b9, 0x10853209, 0xc7eb8f37,
0x2de705ca, 0x8951570f, 0xdf09822b, 0xbd691a6c, 0xaa12e4f2,
0x87451c0f, 0xe0f6a27a, 0x3ada4819, 0x4cf1716f, 0xd0771c2b,
0x67cdb156, 0x350d8384, 0x5938fa0f, 0x42399ef3, 0x36997b07,
0x0e84093d, 0x4aa93e61, 0x8360d87b, 0x1fa98b0c, 0x1149382c,
0xe97625a5, 0x0614d1b7, 0x0e25244b, 0x0c768347, 0x589e8d82,
0xd2059d1, 0xa466bb1e, 0xf8da0a82, 0x04f19130, 0xba64ec0,
0x99265164, 0x1ee7230d, 0x50b2ad80, 0xeae6801, 0x8db2a283,
0xea8bf59e);
```


LAMPIRAN 2

Tabel Pengujian waktu Enkripsi

percobaan 1

Nama File	Ukuran File	Waktu Proses Enkripsi (s)
50KB.txt	50KB	0.798
100KB.txt	100KB	1.582
150KB.txt	150KB	2.387
200KB.txt	200KB	3.212
250KB.txt	250KB	3.916
300KB.txt	300KB	5.026
350KB.txt	350KB	5.951
400KB.txt	400KB	6.657
450KB.txt	450KB	7.563
500KB.txt	500KB	8.324

percobaan 2

Nama File	Ukuran File	Waktu Proses Enkripsi (s)
50KB.txt	50KB	0.827
100KB.txt	100KB	1.619
150KB.txt	150KB	2.364
200KB.txt	200KB	3.147
250KB.txt	250KB	4.41
300KB.txt	300KB	5.01
350KB.txt	350KB	5.594
400KB.txt	400KB	6.46
450KB.txt	450KB	7.561
500KB.txt	500KB	8.507

percobaan 3

Nama <i>File</i>	Ukuran <i>File</i>	Waktu Proses Enkripsi (s)
50KB.txt	50KB	0.826
100KB.txt	100KB	1.756
150KB.txt	150KB	2.364
200KB.txt	200KB	3.103
250KB.txt	250KB	4.22
300KB.txt	300KB	5.165
350KB.txt	350KB	5.881
400KB.txt	400KB	6.784
450KB.txt	450KB	7.947
500KB.txt	500KB	8.84

percobaan 4

Nama <i>File</i>	Ukuran <i>File</i>	Waktu Proses Enkripsi (s)
50KB.txt	50KB	0.807
100KB.txt	100KB	1.612
150KB.txt	150KB	2.621
200KB.txt	200KB	3.274
250KB.txt	250KB	4.08
300KB.txt	300KB	5.327
350KB.txt	350KB	6.236
400KB.txt	400KB	7.013
450KB.txt	450KB	7.676
500KB.txt	500KB	8.173

percobaan 5

Nama <i>File</i>	Ukuran <i>File</i>	Waktu Proses Enkripsi (s)
50KB.txt	50KB	0.777
100KB.txt	100KB	1.774
150KB.txt	150KB	2.414
200KB.txt	200KB	3.267
250KB.txt	250KB	4.737
300KB.txt	300KB	5.341
350KB.txt	350KB	5.827
400KB.txt	400KB	6.649
450KB.txt	450KB	7.562
500KB.txt	500KB	8.214

LAMPIRAN 3

Tabel Pengujian waktu Dekripsi

percobaan 1

Nama <i>File</i>	Ukuran <i>File</i>	Waktu Proses Dekripsi(s)
50KB.txt	50KB	0.803
100KB.txt	100KB	1.585
150KB.txt	150KB	2.363
200KB.txt	200KB	3.163
250KB.txt	250KB	4.064
300KB.txt	300KB	4.766
350KB.txt	350KB	5.921
400KB.txt	400KB	6.544
450KB.txt	450KB	7.446
500KB.txt	500KB	8.286

percobaan 2

Nama <i>File</i>	Ukuran <i>File</i>	Waktu Proses Dekripsi(s)
50KB.txt	50KB	0.767
100KB.txt	100KB	1.605
150KB.txt	150KB	2.397
200KB.txt	200KB	3.328
250KB.txt	250KB	4.313
300KB.txt	300KB	4.922
350KB.txt	350KB	6.066
400KB.txt	400KB	6.806
450KB.txt	450KB	7.515
500KB.txt	500KB	8.668

percobaan 3

Nama <i>File</i>	Ukuran <i>File</i>	Waktu Proses Dekripsi(s)
50KB.txt	50KB	0.796
100KB.txt	100KB	1.672
150KB.txt	150KB	2.572
200KB.txt	200KB	3.539
250KB.txt	250KB	4.569
300KB.txt	300KB	5.213
350KB.txt	350KB	6.02
400KB.txt	400KB	7.114
450KB.txt	450KB	7.606
500KB.txt	500KB	8.331

percobaan 4

Nama <i>File</i>	Ukuran <i>File</i>	Waktu Proses Dekripsi(s)
50KB.txt	50KB	0.805
100KB.txt	100KB	1.604
150KB.txt	150KB	2.427
200KB.txt	200KB	3.258
250KB.txt	250KB	4.278
300KB.txt	300KB	5.444
350KB.txt	350KB	6.413
400KB.txt	400KB	6.833
450KB.txt	450KB	7.833
500KB.txt	500KB	8.334

percobaan 5

Nama <i>File</i>	Ukuran <i>File</i>	Waktu Proses Dekripsi(s)
50KB.txt	50KB	0.799
100KB.txt	100KB	1.719
150KB.txt	150KB	2.544
200KB.txt	200KB	3.255
250KB.txt	250KB	4.179
300KB.txt	300KB	4.833
350KB.txt	350KB	6.073
400KB.txt	400KB	7.032
450KB.txt	450KB	7.623
500KB.txt	500KB	8.637

LAMPIRAN 4

Grafik Pengujian *avalanche effect*





