



Title	Omoituita mama I
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1

Kami no ue no Danwakwai mo 2-gō ga dete daibu Yōsu ga wakatte kita. Boku mo nani ka kakitai ga Byōin no Beddo ni sibaritukerare te itan'dyā matomatta mono mo kakenai. Atama no Hataraki mo nibuttā yōda. Tada Ki ga tuita koto wo sukosi nobesasete morau koto ni sita.

Happyōsareta mono dore mo kekkō. Daga mō sukosi kudaketa kakinburi no mono ga attemo yoin'dyā nai darō ka? Kudakeru to iu koto Wo yōsasaku, wakariyasuku suru, sore ga Senmonka no Ude dyā nai ka? Tayasukutikadukenai yō na ikamesii Isyōwo tukete Sirōto wo Soba e yosetukenaī de Gakumon no Igon ga tamotareru to kangaeru kata wa osoraku arimasumai. "Elementary" to iu koto wo kirattani keibetusitari suru koto wa yokunai. Senmontekina Kotogara wo Sirōto nimo wakaru yōni kudaitē kaku koto wa nozomasii koto da. Syōmei no Genmitu to iu koto mo taiasetu ni tigainai. Sikasi genmituna Syōmei ga erareta kera sorede wakatta to iu koto ni naryā sinai. Wakariyasuku setumeisuru tame niwa keisikitekina Genmitusa wa Gisei ni sitemo yoi darō. Kangae no Sudimiti datte Genmitusa ni otorazu taiasetu da. Kotoni Kami no Ue datte Danwakwai nan'da kara.

2

Zyōbibunhōteisiki-ron ni oite Kai no Sonzai-teiri ga motu Dyōyōsa ni Igi no aru Kata wa nai darōto omou. Danoni boku wa sore wo sarani tuyoku sakebitai. Senmonka wa iu madomonai, Senmonka de nakuuttemo Bibunhōteisiki wo ziyōni gyōsiyō to suru Zissuika mo Kai no Sonzai-teiriga motu Neuti wo hakkirī siranakereba lkenain'dyā nai darō ka? Ataerareta Hōteisiki wo manzoku

Sore no Syôrensei wa yoku "sôries majorantes" ni yotte tasikame rarenu. Some ga syôrenshuu koto ga wakareba yoi ga, syôren, sinai Baai datte ikuramu aru. Sonna toki donna Toriatukai wo site ita darô ka? Kai wo Teisekibun no Katati de arawasitari itomo takumina Hôhô wo tukatte iru. Sikasi itumo sonna takumina Gikô wo kangaedasu Atama wa boku niwa nai kara, motto itudemo tukaeru. Hôhô ga hosii. Sô iu mono ga mitukareba, Bibun-hôteisiki ga mae yori tayasuku atukaeru yôni narun'dya nai darô ka? Sokode boku ga tukau Zyôtôsyûdan wo setumeisiyô!

$$y \sim a_0 + a_1 x + a_2 x^2 + \dots + a_n x^n + \dots$$

ga ataorareta Hôteisiki wo keisikitekini manzokusuru to siyô. Kore ga Kai no Kinzitenkai ni naru koto wo syômeisuru niwa kattena Seisû ni taisite

$$|y - (a_0 + a_1 x + \dots + a_n x^n)| \leq K x^{n+1}$$

(K wa Zyôsû)

wo manzokusuru Kai ga aru ka dô ka wo Kai no Sonzai-teiri ni yotte siraberu no de aru. Nanno Wentetu mo nai Kangaekata de aru. Sore dake ippanmuki dyô nai darôka? Tada kô iu Baai ni riyôsareru no da kara, Kai no Sonzaiteiri wo dekiru dake seimitu ni suru Hituyô ga aru. Cauchy no Sonzaiteiri ni kôdeisite itan' dyô, Bibun-hôteisiki no kai no Seisitu wo siraberu no ni Kai no Sonzai-teiri nado Yaku ni tatanai to iwaretatte Sikata ga arumai. Kono Mondai wa idure mata Hude wo aratamete nobete mitai to omou.

Mammana to ka iu Hito no Ronbun wo mita Wake de nai kara wakaranai ga, Nakano Udi ga iu tôri 尾長複稚 dattara Nakano udi naradeno haradatasii ni tigainai.

Nakano Udi no K^ogo wo sono mama tukatte'

$$(1) \quad y^{(n)} + p_1(x)y^{(n-1)} + \dots + p_n(x)y = 0$$

no Keisū $p(x)$ ga Kukan (a, b) de renzoku da to si, sono n -kono dokurituna Kai wo $u_1(x), \dots, u_n(x)$ to sureba (1) no Kai wa

$$(2) \quad y = (z_1 + i z'_1) u_1(x) + \dots + (z_n + i z'_n) u_n(x)$$

no Katati ni kakeru. x wo koteisite okeba

$$(z_1 + i z'_1) u_1(x) + \dots + (z_n + i z'_n) u_n(x)$$

wa $2n$ -zigenno Kukan ni okeru $(2n-2)$ -zigenno Heimen de aru.

x wo a kara b -made henkwasaseru koto ni yotte, sonoyōna Heimen ga ∞ -korerareru. Kono ∞ -kono $(2n-2)$ -zigenno Heimen ni hukumarenai $2n$ -zigenno Kukan no Ten wo (z, z') to sureba (2) ga Kukan (a, b) de 0 ni naranai (1) no Kai ni naru. Kore dewa genmituna Syōmei ni natte inai ga, kore dake de zyūbunni Yōsu wa walkaru to omou. x wo Hukuso-ryōiki no Henshuto sitari, Keisū ga zitu de aru toki zituno Kai dake kangaetari sitan'dewa, naze Teiri ga seiritusinaku naru ka nado mo. Yōsuruni Zigen no Kwankei ni suginai. Genmituna Syōmei to site wa osoraku Nakano Udi no mono ga kantan de arō.

$u_1(x), \dots, u_n(x)$ ni kwansite taisyōna Katati no Syōmei mo eyō to sureba erareyōga, yori kantanni naru ka dōka wa siranai.

Boku wa Nakano Udi no kongono Go-kenkyū ni Kitai wo motitai.

正誤 OMOITUITA MAMA (4月, Hukufara-Masuo)

6頁 7行 + 8行 + '間' : wa Teido wo sageru to in foto dyā nai, Mu dukašii foto, walkaruhikent foto ヲ補フ.

8行. Wo , 次の Yasashiku ナス,

7頁 13行. Sesu , 次の n 脱ケテ居マス,