

read_input
+ boy[] b + gift[] gt + girl[] g - static final int ESSENTIAL - static final int LUXURY - static final int UTILITY ~ void alloc(int, int, int) ~ void get_inp()

perform_gift
- static final int GEEKS - static final int GENEROUS - static final int MISER ~ void do_gift(couple[], gift[])

return_giftvalue
- static final int ESSENTIAL - static final int LUXURY - static final int UTILITY + String strval(gift) + int val(gift)

alloc_couple
+ couple[] c + int size - static final int ATTRACTIVE - static final int INTELLIGENT - static final int RICH + void print_couple() ~ void alloc_init(boy[], girl[])

sort_class
- static final int ESSENTIAL - static final int LUXURY - static final int UTILITY ~ void sort(gift[]) ~ void sort_comp(couple[]) ~ void sort_happy(couple[])

q2
+ static void main(String[])

q1
+ static void main(String[])

printk_th
+ void printk(couple[])

essential_gift
+ int price + int value

luxury_gift
+ int difficulty_obtain + int luxury_rating + int price + int value

utility_gift
+ int price + int utility_class + int utility_value + int value

gift
+ Object g + int arr_size + int type - static final int ESSENTIAL - static final int LUXURY - static final int UTILITY

miser
- static final int ESSENTIAL - static final int LUXURY - static final int UTILITY + void miser_gift(gift[], couple)

geeks
- static final int ESSENTIAL - static final int LUXURY - static final int UTILITY + void geeks_gift(gift[], couple)

generous
- static final int ESSENTIAL - static final int LUXURY - static final int UTILITY + void generous_gift(gift[], couple)

random_gen_util
+ boy[] b + gift[] gt + girl[] g - static final int ESSENTIAL - static final int LUXURY - static final int UTILITY ~ String[] boylist ~ String[] girlist + void random_gen(int, int, int) ~ void build_boylist() ~ void build_girlist() ~ void random_gen_boy() ~ void random_gen_gift() ~ void random_gen_girl()

log_util
- static final int ESSENTIAL - static final int LUXURY - static final int UTILITY + void log_init() + void log_util_alloc(couple) + void log_util_gift(gift, couple) + void log_util_stdout(gift, couple)

print_util
- static final int CHOOSY - static final int DESPERATE - static final int ESSENTIAL - static final int GEEKS - static final int GENEROUS - static final int LUXURY - static final int MISER - static final int NORMAL - static final int UTILITY

girl
+ String name + int attractiveness + int commit_type + int criteria + int intell_lvl + int main_budget - static final int CHOOSY - static final int DESPERATE - static final int NORMAL

couple
+ boy b + double compability + girl g + int arr_size + long boy_happiness + long girl_happiness + long hapiness + long price_sum + long value - static final int CHOOSY - static final int DESPERATE - static final int ESSENTIAL - static final int GEEKS - static final int GENEROUS - static final int LUXURY - static final int MISER - static final int NORMAL - static final int UTILITY + double calc_boy_hapiness() + double calc_compability() + double calc_girl_hapiness() + double calc_hapiness() + void gift_recieve(gift) + void gift_recieve_choosy(gift) + void gift_recieve_desperate(gift) + void gift_recieve_normal(gift)

boy
+ String name + int attractiveness + int budget + int commit_type + int intell_lvl + int min_attrct - static final int GEEKS - static final int GENEROUS - static final int MISER