**优化算法问题**

有一个不包含0的实数集合，求它的一个非空子集，使得子集中所有元素的和的绝对值最小。

**要求：**

设计一个算法求解尽可能满足要求的子集。

编写算法说明文档。

对下面的例子编写代码输出结果。

**评分：**

下面是一个10000个实数的集合，要求把它们读入到长度为10000的数组当中，计算出子集（子集中的实数的个数可能是从1个到10000个）后，要求输出子集中的元素在原集合对应的数组的下标，由验证程序读取下标进行验证。

比如子集包含第一个和最后一个数据，那么就输出子集[0, 9999]，其结果为（（-239978.14160948322）+ （239975.45885334504））的绝对值，也就是2.68275613818

算法合理，算法文档清晰 40分

运算速度快，结果优良 40分

代码 20分

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