



e n n n n m n n n n d n n n n n e r r e r n d e
 e e r r e r e r n n n e r r e r n n n n d n m r e n n
 A n n n n n n n n n n n n n n n n d n n n n n n
 r r e r n d n n n n n n n n n n n n n n n n n n
 d e r m e n
 n
 n
 n

Mnd r e d n n r nd e n n e r n
 e e l r r r e r e r e d e n e e n n e M n e m n
 n

r e e d n e m n h
 n e m
 n d
 M e m
 d M e m e
 e e n e e

The energy of the system is given by the sum of the kinetic energy of the particles and the potential energy of the system. The kinetic energy is given by the sum of the kinetic energies of the particles, and the potential energy is given by the sum of the potential energies of the particles.

The number of runs in the merge sort algorithm is $A \log n$, where A is a constant.

m r e n r e d e n e n n e r e n n e n e m n n e m r e d

re m r e re n ne 000 r r e r en e nd 2 000 r
e e nd en e e r n e n

Amended 02/07/2017/Amended 10/17/2017/Amended 5/8/2020