

`remainder_theorem.cpp``DiscreteLogMath/discrete_log.cpp``LucasMath/Lucas.cpp``Meissel – LehmerPI Math/MeisselL`
`matchingFlow/KM_matching.cpp``MatchingFlow/Matching.cpp`
`plane_intersection.cpp``polyUnionGeometry/polyUnion.cpp`
`cliques.cpp``TarjanSCCGraph/TarjanSCC.cpp``CentroidDecompositionGraph/CentroidDecomposition.cpp``MinMeanC`
`automaton.cpp``Gusfield(Z – algorithm)String/gusfield.cpp``KMPString/kmp.cpp``ManacherString/manacher.cpp``Su`

A
 i
 b

$$A=i+\frac{b}{2}-1$$

$V-$
 $E+$
 $F=$
 $E=$
 $E-$
 $V+$
 $n+$
 $E\leq$
 $3V-$

δ
 G

$I(G)$
 $M(G)$
 $Cv(G)$
 $Ce(G)$
 $I(G)+$
 $Cv(G)=$
 $|V|$
 $M(G)+$
 $Ce(G)=$
 $|V|$
 $I(G)=$
 $Cv(G)$
 $M(G)=$
 $Ce(G)$

$_back(i);$
 $g(m)=$
 $\sum_{d|m}f(d)\Leftrightarrow$
 $f(m)=$
 $\sum_{d|m}\mu(d)\times$
 $\frac{g(m/d)}{\phi(\frac{n}{d})},\mu(\frac{n}{m})$
 $\sum_{i=1}^n\sum_{j=1}^n[\gcd(i,j)=$
 $1]=$
 $\sum_{i=1}^n\mu(d)\lfloor\frac{n}{ad}\rfloor\lfloor\frac{m}{d}\rfloor$
 $\sum_{i=1}^n\sum_{j=1}^n\frac{1}{lcm}(i,j)=$
 $n\sum_{d|n}d\times$

$\phi(d)$
 $HarmonicseriesH_n=$
 $\ln(n)+$
 $\gamma+$
 $1/(2n)-$
 $1/(12n^2)+$
 $1/(120n^4)$

$0.57721566490153286060651209008240243104215$

$n\oplus$

$(n>>$

$1)$

$$\frac{C_n^{k_n}}{n(k-1)+1}C_m^n=$$

$$\frac{n!}{m!(n-m)!}$$

$\gamma(n+$

$1)=$

H^1

$$H(n,m)\cong$$

x_1+

$x_2\ldots+$

$x_n=$

$k,num=$

C^{n+k-1}

$n_k\approx$

$$\sqrt{2\pi n}\left(\frac{n}{e}\right)^n$$

$2nd$

n_k

$$S(0,0)=$$

$$S(n,n)=$$

$$S(n,0)=$$

$$S(n,k)=$$

$$kS(n-$$

$$1,k)+$$

$$S(n-$$

$$1,k-$$

$$1)$$