

$$\overset{A}{\underset{b}{i}}$$

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

$$V_{-}$$

$$E_{+}$$

$$F_{-}$$

$$E_{-}$$

$$V_{+}$$

$$n_{+}$$

$$E_{\leq}$$

$$3V_{-}$$

$$\overset{6}{G}$$

$$I(G)$$

$$M(G)$$

$$Cv(G)$$

$$Ce(G)$$

$$I(G)+$$

$$Cv(G)=$$

$$|V|$$

$$M(G)+$$

$$Ce(G)=$$

$$|V|$$

$$I(G)=$$

$$Cv(G)$$

$$M(G)=$$

$$Ce(G)$$

$$_back(i);$$

$$g(m)=$$

$$\sum_{d|m}f(d)\Leftrightarrow$$

$$f(m)=$$

$$\sum_{d|m}\mu(d)\times$$

$$g(m/d)$$

$$\phi(i),\mu(x_m)$$

$$\sum_{i=1}^n\sum_{j=1}^m[\gcd(i,j)=$$

$$1]=$$

$$\sum_{i=1}^n\mu(d)\sum_{j=1}^m\lfloor\frac{n}{jd}\rfloor\lfloor\frac{m}{d}\rfloor$$

$$tcm(i,j)=$$

$$n\sum_{d|n}d\times$$

$$\phi(d)$$

$$HarmonicseriesH_n=$$

$$\ln(n)+$$

$$\gamma+$$

$$1/(2n)-$$

$$1/(12n^2)+$$

$$1/(120n^4)$$

$$\frac{0.57721566490153286060651209008240243104215}{n\oplus}$$

$$(n>>$$

$$1)$$

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

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

$$\gamma^{(n+}$$

$$1)=$$

$$H^1(n,m)\cong$$

$$x_1+$$

$$x_2\ldots +$$

$$x_n=$$

$$k,num=$$

$$C^{n+k-1}$$

$$n!\approx$$

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

$$2^{nd}$$

$$\frac{nk}{S(0,0)}=$$

$$S(n,n)=$$

$$\frac{1}{S(n,0)}=$$

$$S(n,k)=$$

$$kS(n-$$

$$1,k)+$$

$$S(n-$$

$$1,k-$$

$$1)$$

$$B_0=$$

$$\frac{1}{B_n}=$$

$$\sum_{i=0}^nS(n,i)$$

$$B_{n+1}^n=$$

$$\sum_{k=0}^nC_k^nB_k$$