Let
$$P(i,j)$$
 be the probability having a link between node i and j .

... Probability that node i,j,l form a triangle $P(i,j)P(j,l)P(l,i)$

- expected number of triangles in which node l with degree $k_l = c_{llm}$ of probability that node l
 $Nr_{l}(a) = \int_{i=1}^{\infty} \int_{i=1}^{\infty} dj P(i,j) P(i,l) P(j,l)$

participates in triangles with abbitrary chosen nodes l and l in the retreated l arrival of l in that node l links to node l when l arrival of l arrival o

Let assume
$$f_j = j$$
 the time when node j arrival $f_j = mT(k_j(j)) = m\frac{k_j(j)}{2} = mT(k_j(j)) = m\frac{k_j(j)}{2} = mT(k_j(j)) = mT(k_j)$

 $= \frac{M^3}{3} \int_{i=1}^{N} \frac{di}{i} \int_{i=1}^{N} \frac{di}{i} = \frac{M^3}{8l} (MN)^2$

$$C_{1} = \frac{2N_{12}(\Delta)}{k_{1}(k_{1}-1)} = \frac{m^{3}k_{1}l_{1}(J_{1}N)^{3}}{k_{1}(N)(k_{1}N)-1} =$$

$$= \frac{2N_{NL}(2)}{k_{R}(k_{L}-1)} = \frac{M_{RL}(N_{R})}{k_{R}(N)(k_{R}(N)-1)} = \frac{2N_{NL}(2)}{k_{R}(N)(k_{R}(N)-1)}$$

 $H_{\ell}(N) = M\left(\frac{N}{L}\right)^{\frac{1}{2}}$ tran $K_{\ell}(t) = M\left(\frac{t}{L_{\ell}}\right)^{\frac{1}{2}}$

$$H_{p}(N) = M \left(\frac{N}{I}\right)^{\frac{1}{2}}$$

$$k_{\ell}(N) = M\left(\frac{N}{\ell}\right)^{2}$$

$$k_{\ell}(N) \left(k_{\ell}(N) - 1\right) \approx k_{\ell}^{2}(N) = M^{2} \frac{N}{\ell}$$

ke(N) (ke(N)-1) ≈ ke2(N)= M2 N/2

$$\therefore \langle \mathcal{L} \rangle = \frac{M}{4} \frac{(\ln N)^2}{N}$$