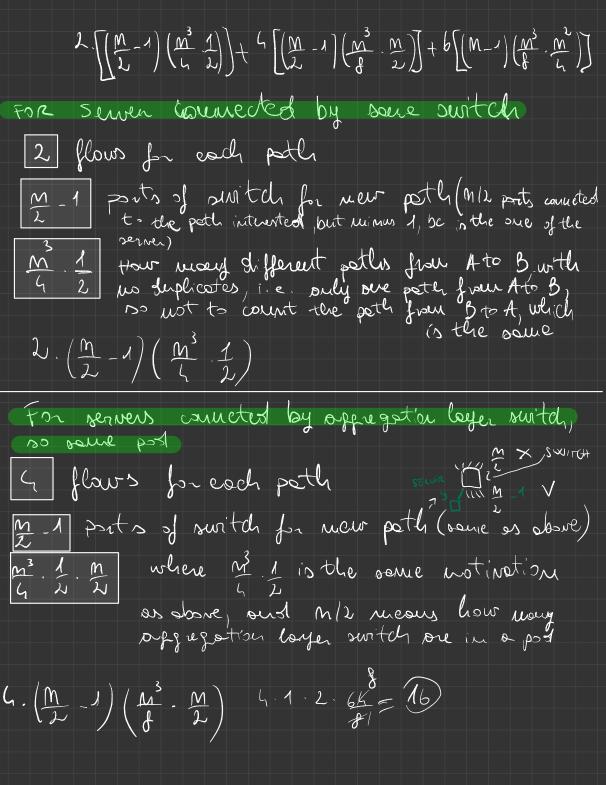
$$2 \cdot \left(\frac{M^3}{\delta} \left(\frac{M}{2} - 1\right)\right) = 2$$



For server connected by core layer switch 6 flows for each path m-1 ports of switch for new path (for core layer swith, in ports total, winners 1, which is Connected to the initial server) m means the number of core layer switch 6-(M-1)(M3 M) $+6\left[\left(M-1\right)\left(\frac{M^3}{\beta} \frac{M^2}{4}\right)\right]$ $\left(\frac{M}{2}-1\right) \cdot \frac{M^3}{6} + \left(\frac{M}{2}-1\right) \cdot \frac{M^4}{16} + \left(M-1\right) \cdot \left(\frac{M^5}{32}\right) = \frac{M^4}{16} - \frac{M^3}{32} + \frac{M^5}{16} - \frac{M}{32} + \frac{M^5}{32} + \frac{M^5}{32} - \frac{M}{16} + \frac{M^5}{32} + \frac$ which is equal to $N_g = \frac{m^3(m^3-4)}{32}$