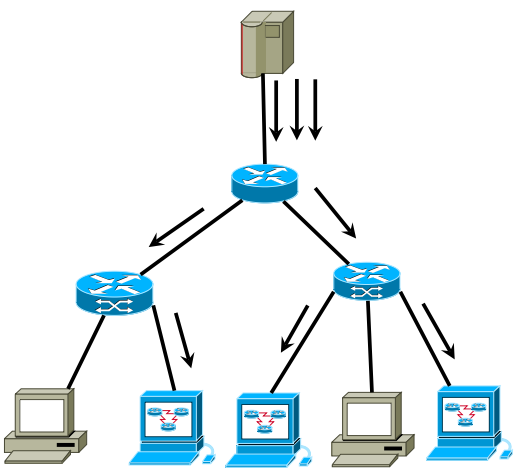
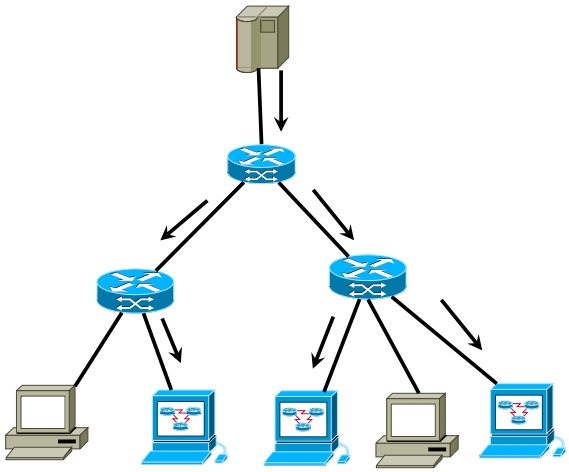
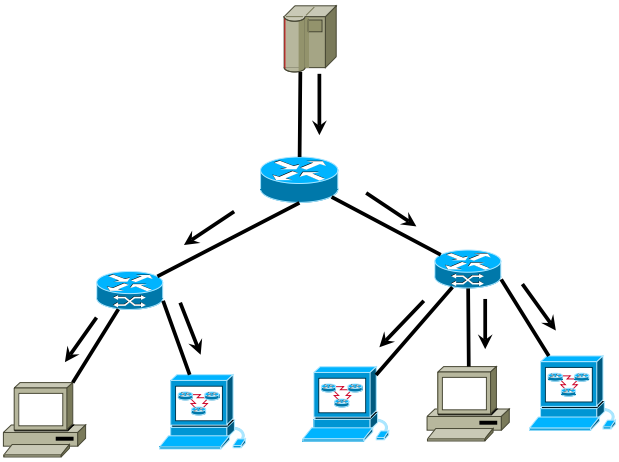


Unicasting- per client



Multicasting- to members



Broadcasting-to all

Interested Client

Uninterested Client

From bad experiences and other perpectives, engineering mathematics should add another domain in to numbers:- what we call 'communication numbers' (or communication domain)$\in$T. T represents n$\geq$2. let there be n (n>0) clients for a data source included in (clients i.e. it to be counted in n) and link bandwidth 1.

1. when n=1 the data source can send data with (1/1)*bandwidth. This is not communication by definition. The source/client sends data to the source/client.

2. when n=2 the data source can send data with 1/2-1;

3. when n> 2 the data source can send data with (1/n-1)*bandwidth;

4. when the data sources increase (n-data sources), the receiver receives data with (1/n-1)/n= (n/(n-1))

Thus we prove T∈N is an existing set of domain..˙.T subdomain of N (natural numbers n≥1) is Telecommunications number.- not to confuse it with C complex numbers.
literally then for it to be multicast optimsation, the bandwidth should be used (1/(n-1))*bandwidth instead of (bandwidth-bandwidth/n). bandwidth*(1-1/n). The case that should be clear is n=1 is (maybe n=2?)base case (i.e. for the formula n!=1), n!=0.
just a note: it is upto the reader to infer certain things about Selassie (the trinity) from the drawing and below. But me a result of collequelism (informalism) have said in the thesis "this is the spirit of multicasting". Cheap education makes anyone cheap...unconciously blasphemous...I had no chance to go above the latitude equator... should probably write Arabic...this are the ends...ohhh there is a long life (to do what one wants)...including feeding who feeds me...speaking and writing... It is called Wasaniya (to feed on people's name ($i_s m$).