```awk
BEGIN {
    numTCP1=0;
    tcpSize1=0;
    numTCP2=0;
    tcpSize2=0;
    totaltcp1=0;
    totaltcp2=0;
}
{
    event=$1;
    pkttype= $5;
    fromnode=$9;
    tonode=$10;
    pktsize=$6;
    if(event == "r" && pkttype == "tcp" && fromnode == "0.0" && tonode == "3.0")
    {
        numTCP1++;
        tcpSize1 = pktsize;
    }
    if(event == "r" && pkttype == "tcp" && fromnode == "1.0" && tonode == "3.1")
    {
        numTCP2++;
        tcpSize2 = pktsize;
    }
}
END {
    totaltcp1=numTCP1*tcpSize1*8;
    totaltcp2=numTCP2*tcpSize2*8;
    throughputtcp1= totaltcp1/24; # because simulation time is 24.5 ¬ 0.5 = 24
    throughputtcp2= totaltcp2/24; # because simulation time is 24.5 ¬ 0.5 = 24
    printf("The Throughput of FTP application is %d \n", throughputtcp1);
    printf("The Throughput of TELNET application is %d \n", throughputtcp2);
}
```